IDIQ CONTRACT FOR BRIDGE MAINTENANCE PRESERVATION AND REPAIR STATEWIDE

Contract Number:
4400035210

May 20, 2026

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

SDR

DOTD FORM: 24-102

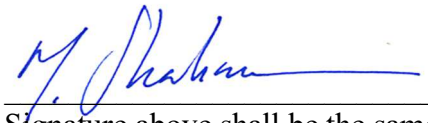
(Revised August 11, 2025)

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 the Section title and number.

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

1. Contract Name as shown in the advertisement.	IDIQ CONTRACT FOR BRIDGE MAINTENANCE, PRESERVATION, AND REPAIR STATEWIDE
2. Contract Number(s) as shown in the advertisement.	CONTRACT NOS. 4400035210
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS), where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	**SDR ENGINEERING 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 criterion)	2820 Continental Drive, Suite 100, Baton Rouge, LA 70808
8. Name, title, phone number, and email address of the prime consultant's contract point of contact.	Mohsen Shahawy, PhD, PE Principal and 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	Mohsen Shahawy, PhD, PE Principal and COO (850) 222-2737, Ext. 226 shahawy@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, the proposer certifies that it is not engaged in a boycott of Israel and that 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. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, the proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, the proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: 05/20/2026 Date:
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Firm(s)' %: Not required.

12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE:

Past Performance Evaluation Discipline(s)	% of Overall Contract	SDR (Prime)	NS	GSRC	TBS	Each Discipline must total to 100%
Bridge	70%	100%	-	-	-	**100%**
Road	10%	-	-	-	100%	**100%**
Other (Subsurface Investigation)	5%	-	-	-	100%	**100%**
Traffic	5%	-	100%	-	-	**100%**
Survey	5%	-	-	-	100%	**100%**
Environmental	5%	-	-	100%	-	**100%**
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	**100%**	**70%**	**5%**	**5%**	**20%**	

CONSULTANTS:

SDR: SDR Engineering Inc

NS: Neel-Schaffer, Inc.

TBS: T. Baker Smith, LLC

GSRC: Gulf South Research Corporation

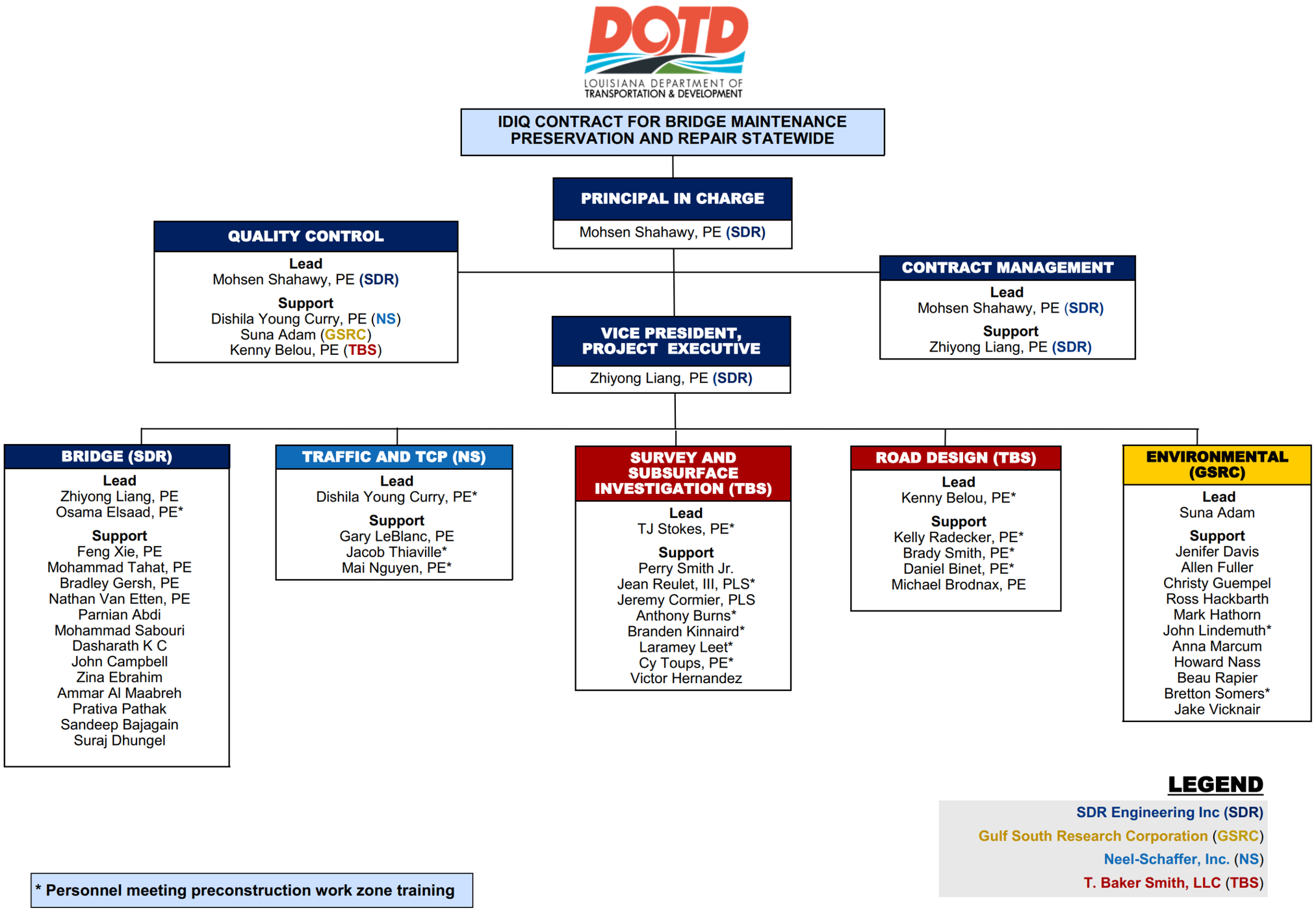
13. TEAM SIZE:

Firm name	DOTD Job Classification	Number of personnel committed to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
SDR Engineering Inc	Principal	1	2
	Supervisor - Eng	2	3
	Engineer	7	9
	Engineer Intern	6	7
	Inspector - Bridge	6	6
	CADD Drafter	1	2
	Computer Analyst	1	1
	Administrative	1	2
Neel-Schaffer, Inc.	Supervisor - Eng	1	2
	Engineer	3	62
T. Baker Smith, LLC	Supervisor - Eng	2	3
	Engineer	4	6
	Senior Technician	2	4
	Supervisor - Eng	2	4
	Party Chief	2	4
	Environmental Manager	1	2
	Environmental Pro	1	3

Gulf South Research Corporation	Supervisor - Other	4	6
	Other (NEPA) Archaeologists	2	4
	Biologist/Wetlands	4	8
	GIS Analyst	2	2
	Clerical	2	2

***For evaluation purposes only,** and as referenced in the Scope of Services on page 2 of IDIQ advertisements only, the consultant shall assume the number of concurrently active task orders specified in the advertisement and shall identify the number of **committed** personnel accordingly.

14. ORGANIZATIONAL CHART:



15. MINIMUM PERSONNEL REQUIREMENTS:

MPR No. Do not insert wording from ad	Personnel are being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	The firm employed by	Type of license and discipline meeting MPR/ certification and number (Ex: PE # - Civil)	State of license	License/certification expiration date
1	Mohsen Shahawy, PhD, PE	SDR	PE.31465 - Civil	LA	03/31/2027
2					
3					
4	Zhiyong Liang, PhD, PE	SDR	PE.34873 - Civil	LA	03/31/2028
	Osama Elsaad, PE	SDR	PE. 45668 - Civil	LA	09/30/2027

16. STAFF EXPERIENCE:

Firm employed by: SDR Engineering Inc					
Name	**Mohsen Shahawy, PhD, PE**		Years of relevant experience with this employer	26	
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 / 03-31-2027		
Year registered	2004	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities			Principal in charge, design, management, Quality Assurance/Quality Control (QA/QC)		

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, load and resistance factor design (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 Bridge Design Manual. He has led SDR's team in developing the DOTD Bridge Design and Evaluation Manual (BDEM) and the **LG Girder Details and Design Standards**. He has been responsible for the design of more than 90 bridges with spans ranging up to 280 feet, the production of conceptual reports for 40 bridges, and design peer reviews of more than 300 bridges for various authorities.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/19–Present	**H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA** The scope of work was to provide two new on-ramps and off-ramps 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) to construct the two separate ramp structures and to relocate 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 QA/QC of all structure elements and guided the project team to address review comments at every stage.
10/16–04/21	**H.002980: I-10 over US 165 and MP Railroad, Jefferson Davis Parish, LA** Replacement of two I-10 bridge overpasses at US 165 and MP Railroad. East-bound total bridge length is 765 feet, comprising seven spans. Four spans were made into one continuous unit; the other three spans were continuous units. Design included all elements of the bridge structure along with the required slope and embankment work. Replacement of the bridge involved complex construction phasing to maintain traffic on the interstate 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 QA/QC review of the design.
11/17–10/20	**H.011484: US-80 Texas Street Bridge Rehabilitation, Shreveport, LA**

	The bridge consists of a main truss span comprised of two 182-foot anchor spans and one 520-foot steel cantilever span, six 102.75 foot steel deck truss spans, one 91-foot steel girder span, and 35 reinforced concrete deck girder approach spans of varying span lengths. The scope of work consisted of conducting National Bridge Inspection Standards (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, Carbon Fiber Reinforced Polymer (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 QA/QC of all above-listed work elements and guided the project team to address review comments at every stage.
10/18–02/21	**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 the Atchafalaya River. The bridge consists of three main trusses with a span length of 608 feet each, two deck trusses with a span length of 126 feet each, and 40 concrete T-beam spans with a span length of 40 feet each. The work included performing an 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 computer modeling 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, preparing rehabilitation plans and technical special provisions, and construction cost estimate. **Role(s)**: independent QA/QC of all above-listed work elements and provided guidance to the project team to address review comments at every stage.
07/15–06/17	**H.005380.5: Evaluation and Load Rating of Three Major Truss Bridges, Statewide, LA** This project was a complete evaluation and load rating of three major truss bridges, including the approach spans: Mississippi River Bridge at Vicksburg (4,210 feet), Sunshine Bridge at Donaldsonville (8,236 feet), and I-10 Calcasieu River Bridge at Lake Charles (6,617 feet). The bridges consisted of main steel truss spans, prestressed concrete or steel approach spans, and reinforced concrete or steel bent caps. **Role(s):** Project Manager, lead engineer. Responsibilities included: QC review of all inspection reports, structural assessment of found deficiencies, and determining the 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.
06/86–10/00	**Complex Bridge Evaluation and Design, Statewide, FL** Evaluation and design of complex bridges in Florida. Sample projects include: • Indian River, Vero Beach, FL, Bridge No. 880054 • Big Carlos bridge (#120028), Lee County, FL • Oakland Boulevard, Fort Lauderdale, FL, Bridge No. 860941 • Longboat bridge (#130057), Sarasota, FL • S.R. 706, Jupiter, FL, Bridge No. 930007 • Laurel street bridge (#105503), Tampa, FL • Delray Beach, FL, Bridge No. 930064

Firm employed by: SDR Engineering Inc					
Name	**Zhiyong Liang, PhD, PE**		Years of relevant experience with this employer	17	
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 / 3-31-2028 FHWA-NHI Bridge Inspection Training		
Year registered	2009	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Project management, bridge inspection, and bridge design		

Dr. Zhiyong Liang specializes in the inspection, design, load rating, and condition evaluation of steel and concrete bridges. He has served as both Project Manager and Engineer of Record on numerous successful projects involving bridge inspection, load rating, design, testing, and rehabilitation. With a multidisciplinary background in Civil Engineering and Computer Science, Dr. Liang brings a unique blend of technical expertise and innovation to his work. He is proficient in operating a wide range of bridge inspection and testing equipment, conducting advanced data analysis, and developing custom software tools to support bridge assessment and data management. Dr. Liang has a strong foundation in finite element modeling (FEM) and structural analysis, complemented by extensive hands-on experience at bridge sites. He played a key role as Lead Engineer in the development of the DOTD BDEM, contributing to statewide standards and practices. He is also certified through the FHWA-NHI Bridge Inspection Training Program and is qualified to serve as a bridge inspection manager and team leader.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/19 – Present	**H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA** The scope of work is to provide two new on-ramps 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) to construct the two separate ramp structures and to relocate the Frontage road. To accommodate the new structures for the two ramps, the Frontage road required relocation along with utilities while maintaining all business access. SDR is the prime consultant, and Dr. Liang's responsibilities are as follows: • Lead the design and plan development of the superstructure. • QA/QC review of substructure design and plans production. • Lead construction cost estimate
10/18–Present	**H.011487: LA 182 Over Atchafalaya River (Berwick Bay) Bridge Rehabilitation, Lafayette, LA** The bridge consists of three main trusses with a span length of 608 feet each, two 126-foot deck truss spans, and 40 concrete T-beam spans with a 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 Dr. Liang served as the Project Manager, overseeing the following tasks: • 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.
11/15-10/17	**H.011484): US-80 Texas Street Bridge Rehabilitation, Shreveport, LA** The bridge consists of a main truss span comprised of two 182-foot anchor spans and one 520-foot steel cantilever span, six 102-foot 9-inch steel deck truss spans, a 91-foot steel girder span, and 35 reinforced concrete deck girder approach spans of varying span lengths. As the project manager, Dr. Liang was responsible for coordinating all activities with the DOTD project manager and participating in the following tasks: • 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.
03/15-08/15	**H.009859.5: Inspection and Load Rating of 18 Load-Posted Complex Bridges, Statewide, LA** 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. 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.
07/13–04/15	**H.010498: Luling Bridge Rehabilitation, St. Charles Parish, LA** The project was the evaluation and rehab of Luling Bridge (Hale Boggs Memorial Bridge), a five-span cable-stayed bridge with twin steel towers supporting the cables and a floor beam-stringer deck system. Dr. Liang's responsibilities are as follows: In-depth inspection of the bridge. • Load rating of the main cable-stayed spans using 3D finite element analysis. • Investigation of the cause of fatigue cracks and development of rehab plans.
03/10-05/12	**H.005380.5: Evaluation and Load Rating of Three Major Truss Bridges, Statewide, LA** This project was a complete evaluation and load rating of three major truss bridges, including the approach spans: Mississippi River Bridge at Vicksburg (4,210 feet), Sunshine Bridge at Donaldsonville (8,236 feet), and I-10 Calcasieu River Bridge at Lake Charles (6,617 feet). The bridges consisted of main steel truss spans, prestressed concrete or steel approach spans, and reinforced concrete or steel bent caps. Dr. Liang was the project manager and was involved in every detail of this project: • 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.

Firm employed by: SDR Engineering Inc					
Name	**Osama Elsaad, ME, P.E.**		Years of relevant experience with this employer	10	
Title	Structural Engineer and Project Manager II		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 / 09-30-2027 FHWA-NHI Bridge Inspection Training		
Year registered	2021	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Deputy Project Manager		

FEM is a structural engineer with 10 years of experience. His involvement in projects has included on-site inspection, bridge instrumentation and load testing, emergency bridge repair projects, bridge design, load rating evaluation, rehabilitation projects, and quantity/cost estimate preparation. He has been a Project Manager on multiple bridge design projects, bridge inspections, and bridge instrumentation and load testing. He has also completed the FHWA-NHI Bridge Inspection Training.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/24-Present	**H.010015 LA 143 Bayou D'Arbonne Bridge, Ouachita Parish, LA** The scope of work is to design and develop a new bridge to replace the existing bridge over Bayou D'Arbonne. The project consists of providing all necessary engineering design services (Stage 3) required to construct the new bridge structure. The new bridge consists of prestressed concrete LG-45 girders with a total bridge length of 500 feet. As deputy project manager, Osama's responsibilities are as follows: • Supervise the execution of the design calculations and plan development. • Design the superstructure. • Construction cost estimate. • QA/QC review of bridge design plans.
11/25-03/26	**H.016525 TO No.2: US80 Mile Creek Bridge, Webster Parish, LA** The scope of work is to conduct an initial inspection of the existing substructure condition, provide training to LADOTD maintenance personnel on the substructure restoration and preparation, CFRP application, Quality Control procedures, and UV coating application, prepare a final report documenting the completed repairs, and develop a Load Rating Report incorporating the repairs. As project manager, Osama's responsibilities are as follows: • Led inspection, field restoration, and CFRP application training. • Led load rating and rehabilitation report
02/25-06/25	**I-110 NB at Convention St. Fire Damage repair, East Baton Rouge Parish, LA** The bridge was subjected to fire that damaged the substructure and superstructure. The scope of the project includes in-depth inspection, rehabilitation plans, and construction support. The rehabilitation plans consisted of cleaning and painting, concrete restoration of the substructure, and CFRP laminate application to the bent caps, columns, and risers. As project manager, Osama's responsibilities are as follows: • Supervise the execution of the in-depth inspection.

	• Supervise the execution of the rehabilitation plan development. • Construction cost estimate. • QA/QC review of rehabilitation plans • Post-rehabilitation construction support.
11/24-07/25	**Wilson Island Bridge over Palatlakaha River, Lake County, FL** The scope of work is to design a new bridge over the Palatlakaha River in Lake County, FL. The project consists of providing all necessary engineering design services (Stage 3) required to construct the new bridge structure. The new bridge consists of prestressed concrete FIB-36 girders with a total bridge length of 100 feet. As project manager, Osama's responsibilities are as follows: • Supervise the execution of design calculations and plan development • Design the superstructure • Construction cost estimate • QA/QC review of bridge design plans
08/23-06/25	**H.009730.5: IDIQ for Bridge Inspection, Statewide, LA** The scope was to perform a routine, in-depth, and fracture critical inspection of the bridges and create an inspection report create an inspection report in InspectX. The inspection was in conformance with the AASHTO Manual for Bridge Evaluation, the NBIS, and the LADOTD Bridge Inspection Manual. As the project manager, Osama led in-depth inspections; condition assessment and identified deficiencies; coordinated with subcontractors; QA/QC of inspection reports and quantities; recommended rehabilitation actions; and developed rehabilitation plans. • US-190 over Mississippi River Bridge, East Baton Rouge, LA • US-80 Texas Street over Red River Bridge, Bossier Parish, LA • I-20 over Mississippi River Bridge, Delta, LA • LA 27 Bridge over ICWW Gibbstown, Cameron Parish, LA • LA 3213 over Mississippi River Bridge, Gramercy, LA
05/17-03/26	**Evaluation and Load Testing, Statewide, LA** The work consisted of plan review, planning, instrumentation, conducting diagnostic and proof load testing, and developing rehabilitation plans as directed by DOTD. For each bridge, a comprehensive report was created, including the NDT and load test results, load rating, rehabilitation recommendations, and rehabilitation plan development. As project manager, Osama's responsibilities were as follows: planning all aspects and supervising the execution of each project task; conducting QA/QC; preparing load rating and final reports; preparing rehabilitation plans. • H.009859.5 TO No. 1:Load Rating of 300 Bridges, Statewide, LA • 4400017310: Task Order No. #8 NDT, Statewide, LA • H.009859: LA0001 Over Plaquemine Bridge, Iberville Parish, LA • H.012485.1: Load Testing and Evaluation of 19 Bridges, Statewide, LA • H.009859.5: Load Testing and Evaluation of Substructures of Five Bridges, Statewide, LA • H.009859.5: Evaluation and Load Testing of Substructure of Nine Bridges, Statewide, LA • H.009859.5: Evaluation and Load Testing of Five Posted Bridges, Statewide, LA • H.009859.5: Load Rating and Rehabilitation of LA 3094 Bridge Over KCS RR, Caddo Parish, LA

Firm employed by: SDR Engineering Inc					
Name	**Feng Xie, MS, P.E.**		Years of relevant experience with this employer	10	
Title	Structural Engineer and Project Manager II		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			MS / 2014 / Civil Engineering-Structures BS / 2012 / Civil Engineering-Structures		
Active registration number/state/expiration date			PE.43987 / Louisiana / 03-31-2028 FHWA-NHI Bridge Inspection Training		
Year registered	2019	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Deputy Project Manager		

Feng is a seasoned engineer with extensive experience in bridge inspection, load rating, and rehabilitation. He oversees in-depth inspections, structural analysis, rehabilitation planning, and construction support. Feng has managed and performed load ratings for hundreds of bridges statewide, including complex steel, concrete, truss, movable, and culvert structures, and has applied NDT methods. He brings strong technical expertise, quality control experience, and a practical approach to extending bridge service life.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/23-08/24	**H.015352.5: US 190 and US 61 Overpass Int. Repairs / Construction Support, East Baton Rouge Parish, LA** The project involved bridge repair, strengthening, and post-design construction support for the US 190 over US 61 bridges. The work included in-depth inspection, load testing, repair and strengthening recommendations, rehabilitation plan development, and construction-phase support. <u>As deputy project manager, Feng's responsibilities included:</u> • Led the in-depth bridge inspection to document existing conditions and identify deficiencies. • Reviewed structural analysis and plan development for bridge strengthening and preservation. • Developed and reviewed the repair/rehabilitation plan to address deficiencies and extend the bridge service life. • Provided post-design construction support.
03/23-06/23	**H.015034: LA 308 and 3162 MB RPRS (GLDN MDW and GALL) (HBI), Lafourche Parish, LA** The Bayou Lafourche bridge is movable in poor condition with a steel tower vertical lift main span and concrete slab approach spans. The project objective was to inspect the bridge, identify deficient elements, and develop a rehabilitation plan for preservation of the structure. <u>As lead engineer, Feng's responsibilities were as follows:</u> • Led and performed the in-depth bridge inspection to verify conditions and identify deficient components. • Reviewed the bridge inspection report, repair recommendations, load rating model, and rehabilitation plan.
05/21-04/22	**H.014288.5-2: LA 82 Mermentau River MB (G Chenier) Bridge Rehabilitation, Cameron Parish, LA** This movable preservation priority bridge includes a 204-foot swing steel low truss main span, concrete slab approach spans, and steel I-beam approach spans. The assignment involved bridge inspection, deficiency evaluation, structural analysis, repair and strengthening design, and plan development. <u>As task manager, Feng's responsibilities were as follows:</u> • Prepared for bridge inspections and evaluated structural members for deficiencies. • Performed structural analysis and designed repair and strengthening details for structural members. • Led the development of the rehabilitation plan and repair recommendations.

04/21-08/21	**H.009859.5: Rehabilitation of LA 3094 Bridge, Shreveport, LA** The LA 3094 Bridge over the Kansas City Southern Railroad was in poor condition and required a rehabilitation design. The work included detailed inspection, load testing, test data processing, deficiency documentation, report preparation, and repair recommendations. As a field engineer, Feng's responsibilities were as follows: • Performed in-depth bridge inspection and measured deteriorated structural members in detail. • Conducted load testing with dump trucks and reviewed rehabilitation design and reports.
09/20-02/21	**H.009730.5: Bridge Deck Evaluation Using Ground Penetrating Radar, Statewide, LA** The project used NDT methods to evaluate the overall deck condition of five selected bridges statewide and prepare deck condition reports. As lead engineer, Feng's responsibilities were as follows: • Managed the work schedule and project progress for field investigation and evaluation activities. • Performed field inspection, data processing, and interpretation, and prepared condition assessment reports.
10/18-12/25	**H.011487: LA 182 over Atchafalaya River (Berwick Bay) Bridge Rehab. / Construction Support, Lafayette Parish, LA** This project involved the development of a rehabilitation plan for the Long-Allen Bridge, including major truss and concrete approach span components. The project included inspection, load testing, load rating analysis review, repair recommendations, plan development, and construction support. As an engineer, Feng's responsibilities were as follows: • Performed bridge inspection, conducted load testing, developed and reviewed the rehabilitation plan. • Reviewed shop drawings and provided post-design construction support.
01/16-07/17	**H.011484: US 80 Texas Street Bridge Rehabilitation / In-Depth Inspection and Rating, Shreveport, LA** This project included in-depth inspection, load rating, and rehabilitation planning for a major truss bridge with steel truss spans, a steel girder span, and reinforced concrete approach spans. As an engineer, Feng's responsibilities were as follows: • Performed in-depth field investigations of bridge members and documented member conditions. • Prepared inspection/report documentation and supported the development of the truss rehabilitation plan.
10/18-present	**Statewide Bridge Load Rating, Statewide, LA** The work consisted of reviewing plans and inspection records, assessing conditions, developing load rating models, making repair or strengthening recommendations, and preparing load rating reports. As Deputy Project Manager/Lead Engineer, Feng managed schedules and task assignments, developed/reviewed rating models, and supported repair/rehabilitation recommendations. Relevant completed and ongoing load rating task orders include: • 44-31061 TO No. 1 (H.009859.5): Load Rating of 300 Bridges, Statewide, LA • 44-31060 TO No. 2 (H.012485.5): Load Rating of 117 Off-System Bridges, Statewide, LA • 44-21595 TO No. 8 (H.009859.5): Load Rating of 32 Bridges, Statewide, LA • 44-21595 TO No. 7 (H.009859.5): Load Rating of 89 Bridges, Statewide, LA • 44-17310 TO No. 7 (H.009859.5): Load Rating and Influence Line of 104 Bridges, Statewide, LA • 44-21595 TO No. 5 (H.009859.5): Load Rating of 114 Bridges, Statewide, LA • 44-09423 TO No. 14 (H.009859): Load Rating of 36 Bridges, Statewide, LA • 44-09423 TO No. 11 (H.009859.5): Load Rating of 176 On-System Bridges, Statewide, LA • 44-09423 TO No. 8 (H.012485.5): Load Rating of 617 Off-System Bridges, Statewide, LA

Firm employed by: SDR Engineering Inc					
Name	**Mohammad Tahat, PhD, PE**		Years of relevant experience with this employer	3	
Title	Structural Engineer and Project Manager II		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			PhD / 2023 / Civil Engineering MS / 2019 / Civil Engineering BS / 2015 / Civil Engineering		
Active registration number/state/expiration date			PE. 0049473/ Louisiana / 03-31-2027		
Year registered	2024	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Structural Bridge Engineer, bridge design, bridge inspection		

Mohammad is a structural engineer with three years of experience focusing on on-site inspection, bridge instrumentation and load testing, bridge repair projects, bridge design, load rating evaluation, rehabilitation projects, and quantity/cost estimate preparation. He has contributed to numerous projects involving load rating analysis and reporting, with experience across a wide range of structures, including concrete, steel, truss, and other complex bridge systems.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage," "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
07/24-Present	**H.010015 LA 143 Bayou D'Arbonne Bridge, Ouachita Parish, LA** The scope of work is to design and develop a new bridge to replace the existing bridge over Bayou D'Arbonne. The project consists of providing all necessary engineering design services (Stage 3) required to construct the new bridge structure. The new bridge consists of prestressed concrete LG-45 girders with a total bridge length of 500 feet. Mohammad's responsibilities are as follows: • Design the substructure. • Design the sheet piles. • Design plan development. • QA/QC review of bridge design plans.
07/24-Present	**H.009859.5 Load Rating of 114 Bridges** **H.009859.5: TO # 7 Load Rating of 89 Bridges** **H.009859.5: 44-31061 TO1 Load Rating of 300 Bridges** **H.012485.5: TO #2_ H.01248.5 Off-system 117 BR** Performed load rating of concrete bridges, steel bridges, and culverts, including truss bridges, swing spans, railroad flat car bridges, and curved steel bridges. Mohammad was responsible for load rating complex bridges using 3-D FEM and specialized analyses to determine accurate ratings and prepare load rating reports. He also served as a reviewer for numerous bridges in these projects.
07/25-11/25	**I-20 OVER LAKE SHORE DRIVE AND KCS RR – PHASE I** The scope of work is to evaluate and develop a rehabilitation scope of work for four existing bridges carrying I-20 over Lake Shore Drive and KCS Railroad. The project consists of performing detailed bridge inspections, load rating analyses, and

	developing rehabilitation recommendations as part of Phase I. The work includes evaluating both superstructure and substructure elements in accordance with LADOTD guidelines. Mohammad's responsibilities are as follows: • Conduct site inspections to assess existing bridge conditions. • Perform load rating analysis for concrete and steel bridge components. • Evaluate rehabilitation alternatives and develop scope recommendations. • Prepare quantity for proposed rehabilitation work. • Develop construction cost estimates.
02/25-06/25	**110 NB at Convention St. Fire Damage repair, East Baton Rouge Parish, LA** The bridge was subjected to fire that damaged the substructure and superstructure. The scope of the project includes in-depth inspection, rehabilitation design and plans, and construction support. The rehabilitation plans consisted of cleaning and painting, concrete restoration of the substructure, and CFRP laminate application to the bent caps, columns, and risers. Mohammad's responsibilities are as follows: • Conduct in-depth site inspection. • Perform structural evaluation and design of rehabilitation measures. • Prepare quantity take-offs and construction cost estimates. • Prepare rehabilitation report.
011/24-07/25	**Wilson Island Bridge over Palatlakaha River, Lake County, FL** The scope of work is to design a new bridge over the Palatlakaha River in Lake County, FL. The project consists of providing all necessary engineering design services (Stage 3) required to construct the new bridge structure. The new bridge consists of prestressed concrete FIB-36 girders with a total bridge length of 100 feet. Mohammad's responsibilities are as follows: • Design the Substructure. • Design the sheet piles. • Design plan development. • QA/QC review of bridge design plans.
08/23-11/24	**In-depth and Routine Bridge Inspection, Statewide, LA** The scope was to perform a routine, in-depth, and fracture-critical inspection of the bridge and create an inspection report in InspectX. The inspection was in conformance with the AASHTO Manual for Bridge Evaluation, the NBIS, and the LADOTD Bridge Inspection Manual. As the bridge engineer, Mohammad is responsible for the following tasks: Inspecting bridge elements, calculating quantities, and uploading the InspectX inspection report. Relevant completed and ongoing load rating task orders include: • H.009730.5 TO#1: LA 3213 over Mississippi River Bridge, Gramercy, LA • H.009730.5 TO#3: I-20 over Mississippi River Bridge, Vicksburg, MS • H.009730.5 TO#3: US-80 Texas Street over Red River Bridge, Shreveport, LA

Firm employed by: SDR Engineering Inc					
Name	**Bradley Gersh, PE**		Years of relevant experience with this employer	1	
Title	Project Manager II		Years of relevant experience with other employer(s)	14	
Degree(s) / Years / Specialization			MS / 2019 / Civil Engineering BS / 2013 / Civil Engineering		
Active registration number/state/expiration date			PE. 84312 / Florida / 02-28-2027 PE. 135796 / Texas / 09-30-2026 Louisiana PE pending		
Year registered	-	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Structural Bridge Engineer and bridge design		

Bradley is a professional engineer with over 12 years of experience who continues to take on increasingly challenging engineering assignments. Bradley has served as project manager, lead engineer, and engineer of record for highway and bridge structures, including prestressed concrete girder bridges, overhead sign structures, culverts, and mast arms projects. His responsibilities include designing and preparing contract plans, specifications, and estimates, bridge assessments, and CADD design on transportation structure projects.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage," "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/24-02/26	**I-75 Express Lanes Segments A and B, Broward County, FL, FDOT District 4** Bradley was responsible for plan development. He developed CADD design drawings for MSE walls, superstructure, substructure, and post-design services for ramp H-5. He was also the structural designer responsible for developing CADD design drawings, as well as superstructure design and plan development of ramp H-4/H-12. Ramp H-4/H-12 is a three-span, 595-foot-long bridge with a 30-foot roadway width. The superstructure design comprised two steel twin box girders, an 8.5-inch structural concrete deck, and a 115-foot-long straddle box girder bent. Bradley developed a successfully approved cost-saving initiative (CSI) for ramp H-4/H-12. Ramp H-5 is a single-span, skewed bridge, comprised of 78-inch FIBs supported on pile end bents. Segment A and B, the largest and most complex segment of the 75 express lane project covering 3.1 miles from NW 170th Street to south of Miramar Parkway, includes constructing express lanes in the existing I-75 median, 2.6 miles of reconstruction, widening, and other interchange ramp connections and improvements.
04/23-10/25	**I-75 Express Lanes Segment D, C-11 Canal Bridge, Broward County, FL, FDOT District 4** Bradley was responsible for quality control and post-design services for the Design-Build of Segment D, a 3.7-mile-long portion of the I-75 Express Lanes project. The Design-Build delivery project includes constructing express lanes in the existing median; constructing entrance and exit ramps for the express lanes at various locations; constructing Sheridan Street Interchange improvements; installing sound barrier walls; drainage, signage, lighting, and landscaping; upgrading traffic monitoring cameras, dynamic message signs, and installing toll gantries. Segment D is located south of Sheridan Street to north of Griffin Road in Broward County.
05/23-9/25	**SR-5/Overseas Highway over Channel 2, Monroe County, FL, FDOT District 6**

	Bradley was responsible for inspection reports, spall repair design of substructure, superstructure, and quantities. The scope included a site visit to confirm deficiencies reported in the 2014 FDOT Biennial Inspection Report, as well as document any new conditions that also required repairs as part of the repair contract plans. Developed contract plans to repair spalls to concrete deck, traffic railing, pier caps, and columns, and prestressed concrete beams. Work also included the application of cathodic protection to pier caps, utility coordination, temporary traffic control (TTC) plans, signing, and pavement marking plans.
07/22-08/22	**I-75/US 441 Emergency Design-Build, Alachua County, FL, Superior Construction Company.** Bridge No. 290082 (I-75 Southbound over US 441) was struck by a truck, which damaged the two outermost beams (3-10 and 3-11) and required an emergency replacement. The contract time was set for 45 days and included design, procurement of materials, construction, and shop drawing reviews. The design schedule was achieved within 12 days from notice to proceed, leaving 30 days for construction. The contractor was awarded an incentive for early completion. WGI's structural work consisted of beam deck and diaphragm designs, spall repairs, joint sealing, deck grooving, and final bridge load rating. WGI provided maintenance of traffic control plans within three days of notice to proceed and final roadway plans, signing, and pavement marking within 12 days.
06/21-03/23	**NW South River Drive Bridge over Tamiami River Canal, Miami-Dade County, FL** Bradley was responsible for plan development and preliminary design for a 123-foot simple-trunnion single-leaf through-girder bascule span bridge, including signalization arm pedestal. The project involved the preliminary design of movable bridge alternatives during the project development and environmental (PD&E), final design, and currently construction support services of a 123-foot simple trunnion single-leaf through-girder bascule span bridge to replace the historical Tamiami Canal Swing Bridge constructed in 1921. The project included providing a four-lane-wide bridge with 6 and 12-foot shared sidewalks and a control house within a 50-foot limited right-of-way and a low bridge profile, which resulted in the need to use through-bascule girders. The floor system consisted of floor beams and an exodermic bridge deck with no steel stringers and lateral bracing. Architectural features to the bridge and control house were also included in the detailed design.
09/18-03/21	**US-1/SR-5 Jupiter Federal Bridge Replacement, Palm Beach County, FL, FDOT District 4.** Bradley was responsible for the substructure design of the intermediate piers with the use of LEAP RC Pier and substructure pile reactions, including bascule pier and rest pier for this bascule bridge replacement project. Served as engineer of record for the project, which addresses the structural and functional deficiencies of the existing US-1/SR-5 Jupiter Federal Bridge from CR-A1A (Ocean Boulevard) to Beach Road. The scope includes the development of vertical and horizontal alignment for bridge replacement alternatives and the study of the resulting impacts. The design incorporates intersection improvements and improves traffic functions at both ends of the approximately 2,960-foot-long (0.56-mile-long) project corridor into the bridge replacement design. The project will include ADA access ramps to the eight-foot sidewalks and a new seven-foot buffered bike lane for safety.
05/16-04/18	**SR-5/Overseas Highway over Tea Table, On-Call Services, FL, FDOT District 6** Bradley was responsible for inspection reports, spall repair design of substructure, superstructure, and quantities. The project included a site visit to confirm deficiencies reported in the 2014 FDOT Biennial Inspection Report, as well as document any new conditions that require repairs as part of the repair contract plans. Bradley developed contract plans to repair spalls to concrete deck, traffic railing, pier caps, columns, and prestressed concrete beams. Plans also included utility coordination, TTC plans, signing, and pavement marking plans.

Firm employed by: SDR Engineering Inc					
Name	**Nathan Van Etten, PE**		Years of relevant experience with this employer	1	
Title	Structural Engineer		Years of relevant experience with other employer(s)	19	
Degree(s) / Years / Specialization			MS / 2008 / Structural Engineering BS / 2006 / Civil Engineering		
Active registration number/state/expiration date			PE. 73756 / Florida / 02-28-2027 Louisiana PE pending		
Year registered	-	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Structural Bridge Engineer		

Nathan is a bridge engineer with experience in the design of horizontal bridge structures and vertical buildings. Bridge structure experience includes the following bridge types: segmentally erected concrete box girders, steel box girders, steel plate girders, prestressed concrete beams, and reinforced concrete flat slabs.

Experience dates (mm/yy–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).
03/25-02/26	**SR 865 (San Carlos Boulevard) from Estero Boulevard to CR 869 (Summerlin Road), FL, FDOT District 1** Nathan designed the proposed lightweight steel TL-4 railing retrofit to improve pedestrian access over Matanzas Pass. The design effort included coordination with the FDOT Structural Design Office and FDOT District 1 staff to meet all FDOT and the National Cooperative Research Program criteria. SR 865 (San Carlos Boulevard) is the main access to Fort Myers Beach. The project reconfigured existing travel lanes to provide two inbound lanes to the beach and pedestrian-bicyclist connectivity on both sides of SR 865. The scope included widening the Matanzas Pass Bridge to accommodate a new shared-use path and reconfiguring the lanes on the Hurricane Bay Bridge to accommodate a new barrier-separated pedestrian path. Due to multiple municipal agencies involved, an extensive public involvement effort was performed for the Town of Fort Myers Beach, Lee County, and Lee-Tran. The design of this project was coordinated with a concurrent PD&E study conducted by FDOT District 1 staff.
04/24-10/25	**Western Beltway (SR 429) Resurfacing and Safety Improvements from MP 1.9 to 5.5, Osceola County, FL, Florida's Turnpike Enterprise** Nathan was a project structural engineer who performed design calculations and structural details. FPIDs: 440289-1 and 440290-1: The project consists of completing final design plans and construction specifications for the resurfacing and safety improvements of the Western Beltway (SR 429) in Osceola County. The project design scope incorporated roadway design activities, including typical section package and variation and exception report development, pavement rehabilitation calculations, signing and pavement marking upgrades and replacement, drainage structure modifications and repairs, structural analysis for new signs and miscellaneous structures, highway lighting upgrades and retrofits, and upgrading existing Intelligent Transportation Systems (ITS) infrastructure. WGI was responsible for roadway, drainage, signing, and pavement marking design, lighting and plans production, structures design and plans production, environmental permitting, utility coordination, subsurface utility exploration, and survey and mapping services.
08/23-10/25	**SR 429 (Wekiva Parkway) Section 6 Design-Build, Lake and Seminole Counties, FL, FDOT District 5**

	Nathan was the lead engineer for the single-span tolling gantry over both directions of travel. FPID: 238275-7: This project designed and constructed 5.5 miles of new alignment limited-access toll road, mainly along the existing SR 46 corridor, from west of Old McDonald Road to east of Osprey Hammock Trail. The design included realigning SR 46 as a non-tolled service road for local travel parallel to the Wekiva Parkway. The project constructed three new 2,000-foot-long bridges over the Wekiva River – one of only two federally listed National Wild and Scenic Rivers in Florida. Three wildlife crossing bridges – 5,700 feet in total – were constructed to provide safe passage for animals between Seminole State Forest and Rock Springs Run State Reserve. Portions of the old SR 46 and CR 46A roadbeds were demolished, regraded, and replanted to create natural conditions conducive to wildlife usage. A new public entrance road was designed and permitted for the Rock Springs Run State Reserve. A multi-use trail runs the full length of the project, with overlook areas incorporated into the wildlife crossing bridges. Other services included mainline all-electronic toll gantry site design, reconfiguring local connector roads between remaining sections of CR 46A and SR 46, drainage design and stormwater permitting through the Florida Department of Environmental Protection (FDEP), lighting, ITS, signing and pavement markings, utility coordination, and 68 gopher tortoise relocations. The design-build team used 13 alternative technical concepts to reduce impacts on traffic during construction, improve constructability and efficiency to expedite construction, reduce environmental impacts, and enhance safety without compromising ecological and project requirements and commitments. Wekiva Parkway Section 6 received the 2023 ACEC-Florida Engineering Excellence Grand Award and the prestigious 2023 ACEC Engineering Excellence National Recognition Award.
02/21-03/23	**SR 60 at 80 Foot Road, Polk County, FL, FDOT District 1** Nathan was the lead structures design engineer. As part of the D1 design-build pushbutton contract, this task designed safety improvements to mitigate crashes at the intersection of SR 60 and 80 Foot Road in Polk County. Elements of work included new mast arm signalization, signal timing design, intersection lighting, and signing and marking. Additional services required for this task included topographic survey, subsurface utility engineering (SUE), utility coordination, and geotechnical investigation. All improvements were designed and constructed in 365 days.
05/19-08/21	**Sawgrass Expressway Corridor Review, Broward County, FL, Florida's Turnpike Enterprise**. FPID: 435763-1: WGI was tasked with evaluating and independently reviewing the active design projects to widen the Sawgrass Expressway (SR 869) from south of Sunrise Boulevard to south of US-441/SR-7 in Broward County, Florida. The evaluation aimed to identify cost-saving strategies, ensure corridor design consistency, assess constructability and construction sequencing, and mitigate project risk elements. The independent peer review focused on two separate segments associated with FPIDs 437155-1/-5/-6 and 435461-1/-4-/-5. Additionally, WGI reviewed prior value engineering studies, cost risk assessments, current design plans, and long-range estimates. WGI then held interim and final briefings with Florida's Turnpike Enterprise design and management staff, providing recommendations to the design consultant teams for consideration.
06/18-03/19	**US 441 at NE 9th Street Signalization, Okeechobee County, FL, FDOT District 1** Nathan was the engineer and lead design calculation reviewer for all new mast arm designs. As part of the FDOT District 1 Design-Build pushbutton contract, this task work order provided safety improvements at the intersection of US 441 and NE 9th Street by installing new mast arm signals. Elements of work included railroad coordination to provide pre-emption, structural design, signing and marking, geotechnical investigation, SUE investigation, and utility coordination. Design innovations included dual-arm mast arms to avoid impacts to an existing underground gas main and overhead electric distribution lines.

Firm employed by: SDR Engineering Inc					
Name	**Dasharath K C, MSC, EIT**		Years of relevant experience with this employer	3	
Title	Engineer Intern II		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			MS / 2022-2023 / Civil Engineering (Structural) BE / 2016-2021 / Civil Engineering		
Active registration number/state/expiration date			EI.0035873/ Louisiana / 3-31-2027		
Year registered	2024	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Bridge Engineer (EIT II) Bridge Design, Rating, Inspection, Planning, and Testing		

Dasharath K C has a strong focus on bridge design, rehabilitation, load rating, inspection, and load testing. He has contributed his support to design and rehabilitation efforts, including planning for the rehabilitation and replacement of bridges and working on bridge design projects. Dasharath has also gained experience in load rating, having worked on the load rating of steel and concrete bridges, and has supported inspections for major bridges. Additionally, he has been involved in load testing, quality control, and reporting for various bridge projects. Dasharath holds a master's degree in Structural Engineering from the University of Toledo, with a project focused on FRP-strengthened steel beams through finite element analysis.

Experience dates (mm/yy–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).
04/24 – 06/24	**H.012541: LA 594 Bridge over I-20, Monroe, LA** The scope of work is to provide feasibility study services (Stage 0) for the rehabilitation/replacement of the bridge at LA 594 over I-20 in Monroe, LA. It includes reviewing existing documents, conducting a site visit, and evaluating bridge conditions, traffic, and environmental impacts. The scope will include determining rehabilitation or replacement options, such as deck replacement or steel repairs, and providing a construction cost estimate. Dasharath's responsibilities are as follows: • Construction Sequence for Replacing Deck • Drawing Title Sheet, Typical Cross Section, General Plan
07/24–12/24	**Wilson Island Bridge, Lake County, FL** The scope of work is to provide design services for the Wilson Island Bridge. The design work will be limited to the structural design of both the superstructure and substructure and will not include survey, geotechnical design, or roadway design. Dasharath's responsibilities are as follows: • Reinforcement Quantity Calculation • End Bents Detailing • Assisting in the Computation Book
07/24-08/24	**H.010015 LA 143 Bayou D'Arbonne Bridge** The scope of work is to provide stage 3 design-related services for the preparation of final plans. It includes the preparation of the final bridge design document, plan details, Load and Resistance Factor Rating method (LRFR) as-designed bridge ratings, special provisions, construction cost estimate, and any technical specifications that may be required. Dasharath's responsibilities are as follows: • Span/Deck Detailing, Intermediate and End Bent Detailing

	• Bent Elevation Calculation
05/24 – 05/26	**Evaluation and Load Testing, Statewide, LA** The work consisted of plan review, planning, instrumentation, and conducting diagnostic and proof load testing. For each bridge, a comprehensive report was prepared, including NDT and load test results, load ratings, and rehabilitation recommendations. Dasharath's responsibilities are as follows: Load rating of Concrete Bridges with Steel; Concrete and Timber Piles; Review the load ratings performed by EIT I Engineers; Consistency Check of Models and Submitted Report. • H.009859.5TO No 7: Load Rating of 89 Bridges, Statewide, LA • H.012485.5 TO No 2: Load Rating of 117 Off System Bridges, Statewide, LA • H.009859.5 TO No 8: Load Rating of 32 Bridges, Statewide, LA • H.009859.5 TO No. 1: Load Rating of 300 Bridges, Statewide, LA
04/24–08/25	**Inspection of I-20 bridge over the Mississippi River, Vicksburg, MS** **US190 Truss Inspection over the Mississippi River, Baton Rouge, LA** **Contract 5 for Movable Bridges HDR, LA** These projects involve inspection and evaluation of the bridges. Dasharath's responsibilities are as follows: • Inspection of the Concrete, Steel, and Truss Bridges • Load rating of Steel and Concrete Bridges
08/23-12/23	**DGL Consulting Engineers, Toledo, Ohio** • Performed bridge load rating and assisted in creating bridge inspection reports for Prestressed Concrete Bridges, Slab Bridges, Steel Girder Bridges, and Truss Bridges. • Performed structural analysis and design of walls and buildings, and detailing.
09/21-07/22	**Engineering Helpline Pvt. Ltd, Kathmandu, Nepal** • Performed building design, retaining wall design, road layout design, site survey, estimation, and valuation. • Site/Field Engineer for Aautar-Kagune three km road project: bridge construction, retaining wall, drainage construction, pile culverts, and causeway construction

Firm employed by: SDR Engineering Inc					
Name	**Mohammad (Moe) Sabouri, MASc., EI**		Years of relevant experience with this employer	3	
Title	Engineer Intern II		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			MASc / 2021 / Civil Engineering (Structural) BS / 2016 / Civil Engineering		
Active registration number/state/expiration date			1100027412, 80519 / Florida, Texas / 2032		
Year registered	2024	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Bridge Engineer (EIT II) Bridge load rating, analysis, testing, and inspection		

Mohammad (Moe) Sabouri is an Engineer Intern with over three years of experience in bridge engineering. His current work consists of bridge design/rehabilitation, analysis, load rating evaluation, bridge inspection, load testing, and preparation of quantity/cost estimates. He is also involved in conducting NDT and evaluating load testing data. He is experienced in load rating and analysis of concrete bridges, steel bridges, timber bridges, concrete culverts, and metal culverts. He has also assisted in developing and reviewing reports.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/25–Present	**H.009859.5: Load Rating of 300 Bridges, Statewide, LA** The scope of this project was to evaluate and load rate 300 bridge structures located in the state of Louisiana. The load rating was performed on a variety of bridge structures, mainly involving cast-in-place and precast concrete culverts and metal culverts. Moe was responsible for assisting with: • Training the team on load rating concrete culverts. • Reviewing as-built drawings and standard plans of concrete culvert structures. • Reviewing load rating models and analyses of concrete culverts in AASHTOware Bridge Rating BrR. • Reviewing concrete culverts' hand calculations in Excel and Mathcad. • Reviewing in-depth reports to present load rating overview and results.
03/25–Present	**H.012485.5 TO #2: Load Rating of 117 Off System Bridges, Statewide, LA** The scope of this project was to evaluate and load rate 117 bridge structures located in the state of Louisiana. The load rating was performed on a variety of bridge structures, including concrete slab spans, steel spans, prestressed concrete girder spans, complex spans, concrete and metal culverts, and pile bents. Moe's responsibilities were assisting with: • Reviewing as-built drawings and standard plans of the bridge structure. • Performing load rating of bridges using AASHTOware Bridge Rating BrR, LEAP Bridge Concrete, and Mathcad. • Preparing in-depth reports to present load rating overview and results.
09/24–Present	**H.009859.5: Load Rating of 89 Bridges, Statewide, LA** The scope of this project was to evaluate and load rate 89 bridge structures located in the state of Louisiana. The load rating was performed on a variety of bridge structures, including concrete slab spans, steel spans, prestressed concrete girder spans, complex spans, concrete and metal culverts, and pile bents. Moe's responsibilities were assisting with: • Reviewing as-built drawings and standard plans of the bridge structure.

	• Performing load rating of bridges using AASHTOware Bridge Rating BrR, LEAP Bridge Concrete, and Mathcad. • Preparing in-depth reports to present load rating overview and results.
07/24–09/24	**H.009730.5 TO#3: US-80 Texas Street over Red River Bridge, Shreveport, LA** This bridge consists of a 884-foot main truss span, six 103-foot approach deck truss spans, an 81-foot steel girder span, and (35) 24 -51-foot reinforced concrete deck girder spans. The scope of this project was to perform a routine, in-depth, and fracture-critical inspection of the bridge and create an inspection report in inspectX. The inspection was in conformance with the AASHTO Manual for Bridge Evaluation, the NBIS, and the LADOTD Bridge Inspection Manual. Moe was responsible for assisting with: • Compiling and reviewing the field inspection notes. • Calculating the quantities. • Organizing the inspection photos and photo log. • Reviewing and uploading the inspection notes and quantities to inspectX.
05/24–07/24	**H.009730.5 TO#3: I-20 over Mississippi River Bridge, Vicksburg, MS** This bridge consists of a 1,716-foot main truss span, three 426-foot approach truss spans, three 127-foot steel girder spans, three 170-foot two-girder spans, a 360-foot composite steel girder span, and (101) 60 and 80-foot prestressed concrete girder spans. The scope was to perform a routine, in-depth, and fracture-critical inspection of the bridge and create an inspection report in inspectX. The inspection was in conformance with the AASHTO Manual for Bridge Evaluation, the NBIS, and the LADOTD Bridge Inspection Manual. Moe was responsible for assisting with: • Compiling and reviewing the field inspection notes. • Calculating the quantities. • Organizing the inspection photos and photo log. • Reviewing and uploading the inspection notes and quantities to inspectX.
12/23–04/24	**H.009859.5: Load Rating of 45 Bridges, Statewide, LA** The scope of this project was to evaluate and load rate 45 bridge structures located in the state of Louisiana. The load rating was performed on a variety of bridge structures, including concrete slab spans, steel spans, prestressed concrete girder spans, complex spans, and pile bents. Moe's responsibilities were assisting with: • Reviewing as-built drawings and standard plans of the bridge structure. • Performing load rating of bridges using AASHTOware Bridge Rating BrR, LEAP Bridge Concrete, and Mathcad. • Preparing in-depth reports to present load rating overview and results.

Firm employed by: SDR Engineering Inc					
Name	**Parnian Abdi, MS, E.I.**		Years of relevant experience with this employer	4	
Title	Engineer Intern II		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			MS / 2021 / Civil Engineering BS / 2019 / Civil Engineering		
Active registration number/state/expiration date			EI.0035314 / Louisiana / 3-31-2027		
Year registered	2022	Discipline	Civil Engineering, Land Surveying		
Contract role(s) / brief description of responsibilities			Bridge Engineer (EIT II) Bridge load rating		

Parnian is an engineer with over 4 years of experience specializing in bridge design and rehabilitation. She has worked on the preparation of engineering plans, cost and quantity estimates, and the development of design solutions for various bridge structures. In addition, she has extensive experience in bridge load ratings, inspection, and load testing, with contributions to numerous projects involving structural evaluation, reporting, and condition assessment.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "Bridge Inspection", "condition assessment", "steel and concrete rehabilitation, "NDT", "project management".
12/21-Present	**Structure Evaluation and Load Rating, Statewide, LA** The work consisted of plan review, evaluation, and load rating of numerous bridge structures in the state of Louisiana. The load rating was performed on a variety of bridge structures, including concrete slab, steel girder, and prestressed concrete girder spans. Parnian's responsibilities were Review of plans, preparing load rating and final reports, preparing rehabilitation plans, and conducting QA/QC. • H.009859.5 TO No. 1:Load Rating of 300 Bridges, Statewide, LA • H.009859.5: Load Rating of 32 Bridges, LA • H.012485.5: Off-System Load Rating of 117 Bridges, LA • H. 009859.5: Load Rating of 86 Bridges, Statewide, LA • H.009859.5: Load Rating of 45 Bridges, Statewide, LA • H.009859.5: Load Rating of 114 Bridges, Statewide, LA • H.009859: Load Rating of 36 Bridges, Statewide, LA
07/24-08/24	**H.010015.5: LA 143 Bayou D'Arbonne Bridge, LA** The scope of the project was to provide Stage 3 design services for the rehabilitation of the LA 143 Bridge over Bayou D'Arbonne. The work included preparation of the final bridge design document, LRFR as-designed ratings, special provisions, construction cost estimates, and technical specifications in accordance with LADOTD standards. Parnian's responsibilities were: • Review of as-built drawings or standard plans of the bridge structure. • Performing load rating of bridges using AASHTOware BrR, LEAP, and Mathcad. • Preparing in-depth reports to present load rating overview, results, and schematics.
03/25-7/25	**Wilson Island Bridge over Palatlakaha River, Lake County, FL**

	The scope of work is to design a new bridge over the Palatlakaha River in Lake County, FL. The project consists of providing all necessary engineering design services (Stage 3) required to construct the new bridge structure. The new bridge consists of prestressed concrete FIB-36 girders with a total bridge length of 100 feet. Parnian's responsibilities are as follows: • Design the superstructure (Bearings) • Construction cost estimate
03/24-04/24	**Task Order NO. 44-17310- TO # 8 NDT, LA 0039 over Industrial Canal** The scope of the project was to perform a load test and rating calibration of Bridge RC#020376, located in Orleans Parish, Louisiana. The bridge, built in 1957, carries Louisiana State Highway 39 over the Industrial Canal and consists of fourteen (14) concrete approach spans with a total length of 280 feet. Parnian's responsibilities were: • Developing finite element models of the tested elements. • Performing conventional load rating analysis (Task #4119). • Calibrating load ratings against load test results. • Preparing the final load test report.
02/24-05/24	**H.009730.5 TO#2: LA 27 Bridge over ICWW, Gibbstown, LA** The bridge consists of a 750-foot 3-span continuous two-girder system span, (40) 70 and 95-foot prestressed concrete girder spans, and seven 20-foot concrete slab spans. The scope was to perform a routine, in-depth, and fracture-critical inspection of the bridge, create an inspection report and SNBI report in InspectX, perform load rating analysis, and develop repair plans for deficient members. The inspection was in conformance with the AASHTO Manual for Bridge Evaluation, the NBIS, and the LADOTD Bridge Inspection Manual. Parnian's responsibilities were: • Organizing the field inspection notes and photos for InspectX upload
05/23-08/23	**H.015409: Rehabilitation of I-10 Bridge Over Mississippi River, LA** The scope of the project was to review the as-built plans and inspection reports provided by LADOTD, conduct a site visit to verify and quantify the deteriorations, perform 3D Finite Element Analysis for spans with web cracking to determine the local stress concentration, and provide repair recommendations. Parnian's responsibilities were: • The load rating of deteriorated steel spans using AASHTOware BrR. • Preparing the rehabilitation plans, including the plan and profiles using MicroStation.
08/22–01/23	**SR 5 (US 1) Bridge over Channel No. 5 Jacking, Monroe County, FL** The segmental bridge constructed using the span-by-span method is to be repaired, including bearing replacement, which requires jacking of the bridge under full live load. Parnian's responsibilities were: • Assisting with the analysis of the bridge under full operational loads using Midas Civil. • Preparing the report to present the overview, results, and schematics.

Firm employed by: SDR Engineering Inc					
Name	**John Campbell, BS, EI**		Years of relevant experience with this employer	1	
Title	Engineer Intern I		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS / 2025 / Civil Engineering		
Active registration number/state/expiration date			EI.0036055 / Louisiana / 9-30-2027		
Year registered	2025	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Bridge Engineer (EI I) Bridge design, rating, inspection, planning, and testing		

John Campbell is a Bridge Engineer (EI I) at SDR Engineering Inc., with a focus on load rating evaluation for bridges. He currently serves as an Engineer Intern for three projects and is involved in the load rating of bridges and culverts.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/25–Present	**H.09859.5: Load Rating of 300 Bridges, Statewide, LA** The scope of work is to perform load rating of 300 existing bridge structures by the LRFR, relative to the following project: H.009859.5. SDR is the prime consultant, and John serves as the rating engineer in load rating bridges and culverts.
07/25–Present	**H.009859.5: Load Rating of 32 Bridges, Statewide, LA** The scope of work is to perform load rating of 32 existing bridge structures by the LRFR, relative to the following project: H.009859.5. SDR is the prime consultant, and John serves as the rating engineer in load rating the following bridges: • US0167 over Big Corney Bayou, Union, Monroe • LA1010 over Labadieville Drain, Assumption, Baton Rouge
03/25 – Present	**H.012485.5: Load Rating of 117 Off System Bridges, Statewide, LA** The scope of work is to perform load rating of 121 existing bridge structures by the LRFR. SDR is the prime consultant, and John serves as the rating engineer for the load ratings of the following bridges: • Ridge Road over Coulee Ile Des Cannes, Lafayette, Lafayette • W. Esplanade Avenue S. over Canal #17, Jefferson, Bridge City
01/25 – 05/25	**H.00973.5: 44-30995 TO5 US190 Truss Inspection** The scope of work is to perform the inspection of the Truss Bridge that carries US190 over the Mississippi River. The bridge consists of five main trusses with span lengths of 490 feet, 848 feet, 650 feet, 848 feet, and 490 feet. The scope included the inspection of the entire bridge. SDR is the prime consultant, and John served as an assistant in the following tasks: • Compiling and annotating structural deficiencies. • Identifying structural elements in the inspection photos.

Firm employed by: SDR Engineering Inc					
Name	**Zina Ebrahim, MS, EI**		Years of relevant experience with this employer	1	
Title	Engineer Intern II		Years of relevant experience with other employer(s)	3	
Degree(s) / Years / Specialization			ME / 2019 / Civil Engineering (Structural) BS / 2016 / Civil Engineering		
Active registration number/state/expiration date			EI.0036302 / Louisiana / 09-30-2026		
Year registered	2026	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Bridge Engineer (EI II) Bridge design, rating, planning, and testing		

Zina is a structural engineer with three years of experience. Her involvement in projects has included load rating evaluation, rehabilitation projects, and engineering reports preparation. Her work focuses on assessing existing bridge conditions, analyzing structural performance, and developing effective rehabilitation solutions. Zina brings a strong analytical background, supporting projects from evaluation through documentation.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/26-Present	**H.009859.5 Load Rating of 300 On-System Bridges, LA** The scope of work is to perform load rating of 300 existing bridge structures by the LRFR method. The project consists of conducting a plan and document review, performing structural analysis and load rating, preparing rating/ analysis reports, providing repair/ strengthening methods and sketches as needed, and conducting training on culvert load rating. Zina's responsibilities are as follows: • Review the load rating procedure of concrete pipe culverts. • Prepare instrumentation plans for load tests. • Prepare repair details for previously posted bridges. • Perform load rating and prepare rating reports.
04/26-Present	**H.014281: US 190 Bridge over the Mississippi River, LA** The scope of work is to repair and rehabilitate the US 190 Bridge over the Mississippi River (Recall #051880) to address structural deficiencies identified in the most recent inspection report. Zina's responsibilities are as follows: • Prepare framing plan including repair locations. • Prepare repair details and procedures.

Firm employed by: SDR Engineering Inc					
Name	**Ammar Al Maabreh, PhD., EI**		Years of relevant experience with this employer	1	
Title	Engineer Intern II		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			PhD / 2025/ Construction Engineering and Management ME / 2018 / Civil Engineering (Structural) BS / 2015 / Civil Engineering		
Active registration number/state/expiration date			EI.0036090 / Louisiana / 09-30-2027		
Year registered	2025	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Bridge Engineer (EI II) Bridge design, rating, inspection, planning, and testing		

Ammar is a structural engineer with one year of experience in bridge engineering and structural evaluation. His project involvement has included bridge load testing, load rating evaluations, bridge repair projects, and rehabilitation projects. His work focuses on assessing existing bridge conditions, analyzing structural performance, and supporting the development of practical rehabilitation and maintenance solutions. Ammar has experience preparing technical documentation and inspection-related reports, and he brings a strong analytical background to projects from evaluation through final documentation.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/25- Present	**Evaluation and Load Rating, Statewide, LA** The scope of work is to perform load rating of existing bridge structures by the LRFR method. The project consists of conducting a plan and document review, performing structural analysis and load rating, preparing rating/analysis reports, provide repair/ strengthening methods and sketches as needed. Ammar's responsibilities were as follows: performing load rating and preparing final reports. • 44-21595 TO #8 H.009859.5 LR of 32 Bridges, Statewide, LA • 4400031060- TO #2_ H.01248.5 Off-system 117 BR, Statewide, LA
04/26-Present	**H.014281: US 190 Bridge over the Mississippi River, LA** The scope of work is to repair and rehabilitate the US 190 Bridge over the Mississippi River (Recall #051880) to address structural deficiencies identified in the most recent inspection report. Ammar's responsibilities were as follows: • Prepare framing plan including repair locations. • Prepare repair details and procedures.
08/25- Present	**H.009859.5 Load Rating of 300 On-System Bridges, LA** • The scope of work is to perform load rating of 300 existing bridge structures by the LRFR method. The project consists of conducting a plan and document review, performing structural analysis and load rating, preparing rating/analysis reports, providing repair/ strengthening methods and sketches as needed, and conducting training on culvert load rating. The project also included instrumentation, load testing, analysis, and reporting for floor beams, stringers, and concrete slabs. Ammar's responsibilities were as follows: Instrumentation and field load testing

	• Developing load rating models and reports • Finite element analysis • Load test analysis and reports • Supporting rehabilitation recommendations and project documentation.
05/25- 11/25	**4400021517 Moveable Bridges HDR, LA** The work included bridge inspection, quantity calculations, load rating evaluation, and report preparation. Ammar's responsibilities were as follows: • Preparing inspection and load rating reports • Evaluating structural conditions • Supporting project documentation and rehabilitation recommendations.

Firm employed by: SDR Engineering Inc					
Name	**Prativa Pathak, MSCE, EI**		Years of relevant experience with this employer	1	
Title	Engineer Intern I		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			MSCE / 2025 / Civil Engineering (Structures) BE / 2022 / Civil Engineering		
Active registration number/state/expiration date			EI.0036202 / Louisiana / 03-31-2028		
Year registered	2025	Discipline	Civil Engineering - Structures		
Contract role(s) / brief description of responsibilities			Bridge Engineer (EIT I) Bridge design, rating, and testing		

Prativa has professional experience since 2025. She has worked on DOTD projects with the oversight of several professional engineers. Her involvement in projects has included load testing, load rating evaluation, rehabilitation projects, and quantity/cost estimate preparation.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/25-Present	**Evaluation and Load Rating, Statewide, LA** The scope of work is to perform load rating of existing bridge structures by the LRFR method. The project consists of conducting a plan and document review, performing structural analysis and load rating, preparing rating/ analysis reports, provide repair/ strengthening methods and sketches as needed. <u>As an engineer intern, Prativa's responsibilities were as follows:</u> performing load rating and preparing final reports. • H.009859.5 TO No.8: Load Rating of 32 Bridges, Statewide, LA • H.012485.5 TO No.2: Load Rating and Evaluation of 117 Bridges, Statewide, LA
08/25- Present	**H.009859.5 Load Rating of 300 On-System Bridges, LA** The scope of work is to perform load rating of 300 existing bridge structures by the Load and Resistance Factor Rating (LRFR) method. The project consists of conducting a plan and document review, performing structural analysis and load rating, preparing rating/ analysis reports, providing repair/ strengthening methods and sketches as needed, and conducting training on culvert load rating. The project also included instrumentation, load testing, analysis, and reporting for floor beams, stringers, and concrete slabs. <u>As an engineer intern, Prativa's responsibilities</u> • Developing load rating models and reports • Finite element analysis • Load test analysis and reports
04/26-Present	**H.014281 US 190 over Mississippi River Rehabilitation, East Baton Rouge Parish, LA** The scope of work is to repair and rehabilitate the US 190 Bridge over the Mississippi River (Recall #051880) to address structural deficiencies identified in the most recent inspection report. <u>As an engineer intern, Prativa's responsibilities were as follows</u>: • Preparing rehabilitation design plans.

Firm employed by: SDR Engineering Inc					
Name	**Sandeep Bajagain, MSCE, EI**		Years of relevant experience with this employer	1	
Title	Engineer Intern I		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			MSCE / 2025 / Civil Engineering (Structural) BE / 2022 / Civil Engineering		
Active registration number/state/expiration date			EI.0036141 / Louisiana / 03-31-2028		
Year registered	2025	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Bridge Engineer (EIT I) Bridge design, rating, inspection, and testing		

Sandeep is a structural engineer with nearly one year of experience. His involvement in projects has included bridge instrumentation and load testing, rehabilitation projects, and load rating evaluation projects.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/25-Present	**Evaluation and Load Rating, Statewide, LA** The scope of work is to perform load rating of existing bridge structures by the LRFR method. The project consists of conducting a plan and document review, performing structural analysis and load rating, preparing rating/ analysis reports, provide repair/ strengthening methods and sketches as needed. <u>As an engineer intern, Sandeep's responsibilities were as follows:</u> performing load rating and preparing final reports. • H.009859.5: Load Rating of 32 Bridges, Statewide, LA • H.012485.5: Load Rating and Evaluation of 117 Bridges, Statewide, LA
08/25- Present	**H.009859.5 Load Rating of 300 On-System Bridges, LA** The scope of work is to perform load rating of 300 existing bridge structures by the LRFR method. The project consists of conducting a plan and document review, performing structural analysis and load rating, preparing rating/ analysis reports, providing repair/ strengthening methods and sketches as needed, and conducting training on culvert load rating. The project also included instrumentation, load testing, analysis, and reporting for floor beams, stringers, and concrete slabs. <u>As an engineer intern, Sandeep's responsibilities include:</u> • Instrumentation and field load testing • Developing load rating models and reports
04/26-Present	**H.014281 US 190 over Mississippi River Rehabilitation, East Baton Rouge Parish, LA** The scope of work includes repairing and rehabilitating the US 190 Bridge over the Mississippi River to address structural deficiencies identified in the most recent inspection report. <u>As an engineer intern, Sandeep's responsibilities are</u>: • Preparing rehabilitation design plans for different deficient steel members.

Firm employed by: SDR Engineering Inc					
Name	**Suraj Dhungel, MSCE, EI**		Years of relevant experience with this employer	1	
Title	Engineer Intern I		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			MSCE / 2025 / Civil Engineering (Structures) BE / 2022 / Civil Engineering		
Active registration number/state/expiration date			EI.0036195 / Louisiana / 03-31-2028		
Year registered	2025	Discipline	Civil Engineering - Structures		
Contract role(s) / brief description of responsibilities			Bridge Engineer (EIT I) Bridge design, rating, inspection, and testing		

Suraj is a structural engineer with nearly one year of experience. His involvement in projects has included bridge instrumentation and load testing, rehabilitation projects, and load rating evaluation projects.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/25-Present	**Evaluation and Load Rating, Statewide, LA** The scope of work is to perform load rating of existing bridge structures by the LRFR method. The project consists of conducting a plan and document review, performing structural analysis and load rating, preparing rating/ analysis reports, provide repair/ strengthening methods and sketches as needed. <u>As an engineer intern, Suraj's responsibilities were as follows:</u> performing load rating and preparing final reports. • H.009859.5: Load Rating of 32 Bridges, Statewide, LA • H.012485.5: Load Rating and Evaluation of 117 Bridges, Statewide, LA
08/25- Present	**H.009859.5 Load Rating of 300 On-System Bridges, LA** The scope of work is to perform load rating of 300 existing bridge structures by the LRFR method. The project consists of conducting a plan and document review, performing structural analysis and load rating, preparing rating/ analysis reports, providing repair/ strengthening methods and sketches as needed, and conducting training on culvert load rating. The project also included instrumentation, load testing, analysis, and reporting for floor beams, stringers, and concrete slabs. <u>As an engineer intern, Suraj's responsibilities:</u> • Instrumentation and field load testing • Developing load rating models and reports
04/26-Present	**H.014281 US 190 over Mississippi River Rehabilitation, East Baton Rouge Parish, LA** The scope of work includes repairing and rehabilitating the bridge to address structural deficiencies. <u>As an engineer intern, Suraj's responsibilities were as follows</u>: • Preparing rehabilitation design plans.

Firm employed by: Neel-Schaffer, Inc.					
Name	**Dishili Young Curry, PE, PTOE**		Years of relevant experience with this employer	9	
Title	Senior Vice President / Engineering Manager		Years of relevant experience with other employer(s)	14	
Degree(s) / Years / Specialization			BS / 2002 / Civil Engineering; MS / 2018 / Civil Engineering		
Active registration number/state/expiration date			PE No. 33723 / LA / 09-30-2026		
Year registered	2008	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Roadway Lead		

Dishili offers more than 20 years of progressive experience, which includes program management, engineering management, project management, and engineering design. Her experience includes the management and design of interstate design-build projects, interstate design-bid-build projects, including roundabout interchanges, road design projects, including multilane roundabouts, drainage projects, H&H Studies, environmental studies, and feasibility studies. Her Continuing Education is documented as follows: Transportation Safety Systems (Highway Safety Manual Graduate Course), Auburn University, 2016: ATSSA Traffic Control Supervisor Training Course, Baton Rouge, 2015; ATSSA Traffic Control Technician Training Course, Baton Rouge, 2015: FHWA Highway Safety Manual Workshop, Baton Rouge, 2014; Roadside Safety Design by the Federal Highway Administration and National Highway Institute, LTRC, 2010; Urban Street Design, University of Wisconsin, Madison,; Open Channel Design, University of Wisconsin, Madison; Comprehensive Culvert Design, University of Wisconsin; Maintaining Asphalt Pavements, University of Wisconsin; Using HEC-RAS to compute water surface profiles for floodplains, bridge and culvert hydraulics, University of Wisconsin; DOTD's Traffic Engineering Process and Report (TEPR) training.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/25 - Present	**Engineering and Technical Support Services for Critical Projects IDIQ (SPNs H.016494, H.016495, and H.016496)** QA/QC Manager. Neel-Schaffer provides engineering services to assist LADOTD with the review and oversight of bridge replacement/rehabilitation projects along federal aid eligible routes in Districts 04, 05, 07, 08, and 58, covering a total of 21 bridge sites. All bridge sites include road design, drainage design, and the sequence of construction plans. Dishili serves as the QA/QC manager, validates reviews, and assists with the review process. Includes TTC plans.
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects, which include traffic services, road design, preliminary, and final plan development. The projects include pavement preservation, constructing new roads, extending existing roads, constructing roundabouts, turn lanes, and drainage improvements. Includes TTC plans. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; project manager and design services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station and other development at the intersection. It includes minimum right-of-way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366);** project manager and design services. This project will widen LA 73 and realign LA 621 near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, a Transportation Management Plan (TMP), and one mile of mill and overlay for LA 621.

	3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) (SPN. H.009425.5); Project Manager and Design Services. The project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000 east of Duncan Avenue. **4.) LA 182: US 90 – Greenwood St. Overpass (SPN. H.016158)**; Project Manager and Design Services. This project includes pavement rehabilitation along LA 182 from the WB Exit Ramp to Greenwood St. Overpass, in Morgan City, LA. The work includes pavement patching, mill and overlay, roadway reinforcing mesh, curb ramps, and guard rail. **5.) LA 150 and LA 818: Roundabout (SPN H.015640)**; project will convert the existing intersection to a single-lane roundabout intersection. Includes TTC plans.
04/23 – Present	**Jimmie Davis Design Build (SPN H.001779)** The project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. She assisted with design-related tasks. Managed roadway drainage design, managed the scour analysis, attended team technical meetings, and meetings with DOTD. Provided QA/QC. She also assisted with the proposal preparation, attended one-on-one meetings, and assisted with technical writing for the proposal. Includes TTC plans.
01/20 – Present	**I-20: LA 544 Overpass Replacement (SPN H.010616)** Managing the preliminary and final design services for this project. This project will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts within a roundabout interchange with two roundabouts on a 3% longitudinal grade and partially on a bridge. Includes a level 2 TMP. Includes TTC plans.
04/18 – Present	**I-49 South at Verot School Road, Lafayette, LA (SPN H.011235)** Managing design services for the interstate design and service road design (drainage, preliminary and final road design, and TMP). The project will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Project includes the design of a major bridge crossing at Verot Road and I-49 and a roundabout at the relocated intersection of Verot Road and South Collage Road. NS is serving as the subconsultant for this project. NS is designing the interstate mainline and frontage roadways, as well as designing the drainage along these corridors. NS is also completing the traffic design and level 3 TMP. Includes TTC plans.
09/18 – 12/18	**I-20 at 220 Interchange Improvement and BAFB Design-Build Project (SPN H.003370)** Included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad.
08/17 – 03/19	**LA1026 (Juban Rd) Widening, Livingston Parish, LA (SPN H.004634.5)** Served as the Engineer of Record and managed the completion of the roadway and drainage design services for this project, which will widen LA 1026 (Juban Road), construct three multilane roundabouts and two new frontage access roadways, with storm drainage sewer systems. Includes TTC plans.

Firm employed by: Neel-Schaffer, Inc.					
Name	**Gary LeBlanc, PE**		Years of relevant experience with this employer	4	
Title	Project Engineer		Years of relevant experience with other employer(s)	28	
Degree(s) / Years / Specialization			BS / 1994 / Civil Engineering		
Active registration number/state/expiration date			PE No. 28220 / LA / 09-30-2027		
Year registered	1999	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Road QA/QC		

Gary has been employed by Neel-Schaffer since 2022, following a 28-year career with LADOTD, which included more than two decades in the Traffic Section and six years in the DOTD Planning Section as the HPMS/Highway Needs Engineer. Gary was the Engineer of Record for the TTC Standards (dated 7-2-2018) and was responsible for QA/QC for DOTD TTC plan sheets. Gary has completed ATSSA Traffic Control Supervisor Training and Design of TTC for Pedestrian Accommodations, as well as DOTD Basic Flagging and Traffic Control Maintenance Work Areas. While at LADOTD, Gary was a member of the DOTD's Work Zone Task Force and was on the committee for revision of DOTD's Maintenance of Traffic Control Handbook.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/25 - Present	**Engineering and Technical Support Services for Critical Projects IDIQ (SPNs H.016494, H.016495, and H.016496)** Reviewer. Neel-Schaffer provides engineering services to assist LADOTD with the review and oversight of bridge replacement/rehabilitation projects along federal aid eligible routes in Districts 04, 05, 07, 08, and 58, covering a total of 21 bridge sites. All bridge sites include road design, drainage design, and the sequence of construction plans. Gary assists with the review process. Includes TTC plans.
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects, which include traffic services, road design, preliminary, and final plan development. The projects include pavement preservation, constructing new roads, extending existing roads, constructing roundabouts, turn lanes, and drainage improvements. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; QA/QC for roadway design and geometrics. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station and other development at the intersection while constructing J-turns and U-turns. It includes the minimum right-of-way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; QA/QC for roadway design and geometrics. This project will widen LA 73 and realign LA 621 near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, a TMP, and one mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) (SPN. H.009425.5)**; QA/QC for roadway design and geometrics. The project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to

	improve drainage along LA 16 from US 51 to approximately 1000 east of Duncan Avenue. **4.) LA 182: US 90 - Greenwood St. Overpass (H.016158)**; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. **5.) LA 150 and LA 818: Roundabout (H.015640)**; project will convert the existing intersection to a single-lane roundabout intersection. Includes TTC plans.
04/23 – Present	**Lagneaux Turn Lane Improvements, Lafayette, LA** The project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design. Includes TTC plans.
04/23 – Present	**Rue Du Belier Roundabout** The project will convert the existing single roundabout to a double-lane roundabout with drainage improvements and lighting. Assisted with design. Includes TTC plans.
04/23 – Present	**S. Domingue Roundabout** The project will provide roundabout and drainage improvements. Assisted with design. Includes TTC plans.
07/23 – Present	**US 90 Roundabout at LA 101** Providing QA/QC for improvements to the safety of the intersection by upgrading a two-way stop intersection into a single lane roundabout. The roundabout is being designed using LADOTD and FHWA guidelines. This is a single-lane roundabout that will comfortably accommodate WB-67 since this intersection is a detour route for I-10. This project includes pavement signing and striping, drainage improvements, access management, construction sequencing, and cost estimates for bidding.
10/22 – 10/23	**East-West Connector (Winfield Road Congestion Relief)** NS performed a traffic study and line and grade for a new east-west corridor through Bossier Parish. Gary completed the Traffic Study for the project and all intersection analyses for the four major intersections. Included multilane roundabouts.
2/23 - 12/23	**Winfield Road Extension** The project will provide a new four-mile connector roadway between LA 1 at Belleview. NS provided road design services. Gary provided QA/QC.
12/23 – Present	**LA 384 Feasibility Study**: QA/QC Capacity analysis and supporting documents.
02/24 - Present	**I-69 SUI 13, 12, and 11, Road Design Services for ARDOT** NS is contracted with ARDOT to provide roadway and drainage design services for a 30-mile new segment of I-69 with multiple interchanges near Monticello. Gary is providing QA/QC for the roadway design. This corridor will be constructed in phases to allow it to advance as funding is available. Neel-Schaffer will produce this design as separate design packages. Includes TTC plans.
07/22 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA (SPN H.010616)** NS is completing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP. The project includes line and grade tasks (establish design criteria, develop typical sections, horizontal geometry, vertical geometry). Includes TTC plans.

Firm employed by: Neel-Schaffer, Inc.					
Name	**Jacob Thiaville, EI**		Years of relevant experience with this employer	4	
Title	Engineer Intern		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS / 2022 / Civil Engineering		
Active registration number/state/expiration date			EI No. 35368 / LA / 09-30-2027		
Year registered	2023	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Road Design and Drainage Design		

Jacob is a member of our Transportation group who joined the Baton Rouge office as a student intern. Since his graduation, he has worked in both the New Orleans and Baton Rouge offices and continues to provide design services for DOTD and municipal projects. He was an intern in the Baton Rouge office from May 2022 through December 2022. After graduating in December from Louisiana State University with a Bachelor of Science in Civil Engineering, Jacob joined the firm on a full–time basis.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects – this contract includes five separate Task Order projects, which include traffic services, road design, preliminary, and final plan development. The projects include pavement preservation, constructing new roads, extending existing roads, constructing roundabouts, turn lanes, and drainage improvements. Jacob has assisted with Plan Production and Design Services. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226);** This project includes the design for a roundabout with high–speed approaches. The design avoids impacts to a gas station and other development at the intersection. It includes the minimum right-of-way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366);** This project will widen LA 73 and realign LA 621 near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, a TMP, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) (SPN. H.009425.5);** Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in–place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000 east of Duncan Avenue. **4.) LA 182: US 90 – Greenwood St. Overpass (SPN. H.016158);** This project includes pavement rehabilitation along LA 182 from WB Exit Ramp to Greenwood Str. Overpass, in Morgan City, LA. The work includes pavement patching, mill and overlay, roadway reinforcing mesh, curb ramps, and guard rail. **5.) LA 150 and LA 818: Roundabout (H.015640);** project will convert the existing intersection to a single-lane roundabout intersection. Includes TTC plans.
04/19 – 04/24	**IDIQ Contract for Design of Safety Projects (Districts 02, 61, and 62)**

	This contract includes 13 projects which will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Traffic Engineering, and Design of Low–Cost Safety. Improvements, Construction Support, Planning/Environmental, Design (preliminary and final Plans), and construction-related engineering. Jacob has assisted with the road design services and plan production for these projects. He has also assisted with feasibility studies. The task orders under this project are as follows (see project profile for full description): 1.) Local Road Signing (Vermilion) (SPN. H.013014); 2.) Independence SRTS – Phase II (SPN. H.010108.1); 3.) LRSP (Iberia Parish and City of N.I.) (SPN. H.013770); 4.) LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1); 5.) W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621); 6.) LRSP Signs, Striping and X–Overs (Gonzales) (SPN. H.013621.1); 7). Downtown Greenway LA Connector (BR) (SPN. H.013751); 8.) LSU Laboratory School SRTS Project (SPR. H.009290); 9.) Local Road Signing (Ascension). Includes TTC plans.
04/23 – Present	**Feasibility Report – Ascension Parish Signing and Striping, Ascension Parish, LA** Completed feasibility study, assisted in the creation of aerial exhibits displaying the project limits and crash data for 56 miles of roadway, including 44 sites. Completed summary of estimated quantities and cost estimate for required signing and striping quantities. Developed man-hour estimate/cost and anticipated schedule for engineering services. Includes TTC plans.
08/17 – Present	**Mandeville Bypass, Mandeville, LA** This project will provide a new 3 Mile median-divided roadway with an integral bike path connecting LA 1088 near its interchange with I–12 and US 190 near Fontainebleau Park. It will construct five multilane roundabouts and multiple entrances to Pelican Park. Jacob is providing design services and plan production services. Includes TTC plans.
11/22 – Present	**East West Corridor Winfield Rd Ext.** Created Concept typical sections, templates to run model, corridor and surface, set up limits of construction and required ROW, line and grade design, plan production; assisted with traffic analysis report graphics for ADT and queue lengths. Tools: InRoads SS2 Modeler (Create Template and Roadway Designer), InRoads Surface, Copying 1300 by 400-foot Clipping boundary, and Trimming. Includes TTC plans.
05/22 – 05/23	**Buc–ee's I–10 at Louisiana Ave, Lafayette, LA** Jacob has assisted with Plan Production and Design Services. The project will provide turn lanes along Louisiana Avenue and improvements to the ramps along I–10 to accept the additional traffic volumes associated with the new Buc–ee's development. Roadway Design, InRoads modeling, drainage design, and drainage report. Includes TTC plans.
05/22 – Present	**W Broussard Roundabout at Duhon Rd, Lafayette, LA** Assisted with the drainage design, which included tasks such as Inlet spacing design and drainage system design, drainage plan and profile sheet production, delineation of drainage areas, and production of drainage. Tools: InRoads SS10, HYDRWIN, Hydraulics Manual, Rational Method Spreadsheet. Includes TTC plans.

Firm employed by: Neel-Schaffer, Inc.					
Name	**Mai Nguyen, PE**		Years of relevant experience with this employer	11	
Title	Roadway Design Engineer		Years of relevant experience with other employer(s)	7	
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering		
Active registration number/state/expiration date			PE No. 38189 / LA / 03-31-2028		
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Roadway Design - LA MPR 23		

Mai has nearly two decades of experience as a Roadway Design Engineer, including over six years working for LADOTD roadway design. She is proficient in modeling and developing roadway plans in accordance with LADOTD design guidelines. She has completed numerous roadway construction plans, including roadway alignments, cross sections, geometric details, graphical grades, drainage design, construction sequencing, striping, and signing layout, and cost estimates. She has also completed countless interchange geometric designs, roundabouts, and unconventional intersections following AASHTO and LADOTD design guidelines. She is experienced with utility coordination, creating detour plans, and working with Contractors and LADOTD Engineers to ensure the project is constructed according to plans. She has been involved with preliminary and final roadway design plans, feasibility studies, stage 0 reports, environmental assessment studies, roadway concept layouts for traffic studies, develop high level cost estimates for multiple District Safety Investment Plans. She is certified as a Work Zone Traffic Control Supervisor, Technician, and Flagger.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/20 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA** Lead for road design preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond multilane roundabout interchange on a 3% longitudinal grade. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP. Includes TTC Plans.
03/23 – Present	IDIQ for road design projects - this contract includes three separate Task Order projects, which include traffic services, road design, preliminary, and final plan development. The projects include pavement preservation, constructing new roads, extending existing roads, constructing roundabouts, turn lanes, and drainage improvements. Includes TTC Plans. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Project Engineer and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station and other development at the intersection. It includes the minimum right-of-way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; Project Engineer and Design Services. This project will widen LA 73 and realign LA 621 near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, a TMP, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Project Engineer and Design Services. The project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of

	construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000 east of Duncan Avenue. **4.) LA 182: US 90 – Greenwood St. Overpass SPN. H.016158**; Project Engineer and Design Services. This project includes pavement rehabilitation along LA 182 from the WB Exit Ramp to Greenwood St. Overpass, in Morgan City, LA. The work includes pavement patching, mill and overlay, roadway reinforcing mesh, curb ramps, and guard rail.
9/22 – Present	**E. Milton Ave Improvements, Lafayette Parish, LA** This project will widen an existing Roundabout at E. Milton Avenue/Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay East Milton Avenue and Chemin Metairie Road in Youngsville, LA. This project includes curb and gutter with sidewalks. Mai is designing this project and assisting with plan production. Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations, and more. Ms. Nguyen is working on the roadway design for the City of Youngsville. The project includes preliminary and final plans. Includes TTC Plans.
06/23 – Present	**US 90: Roundabout at LA 101** Roundabout intersection preliminary and final plans, drainage, sequence of construction, and TMP. Includes TTC Plans.
12/22 – Present	**LA 89 at Guillot Rd Improvements** Existing drainage determination, proposed drainage design, and plan preparation. Includes roundabouts.
02/22 – Present	**W. Broussard Roundabout at Duhon Road (LA 724)** This project will construct a roundabout and require drainage improvements. Review of design, assist with plan production. Preliminary plans completed. Final design ongoing.
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA** This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Mai is working on the roadway design for the City of Youngsville. The project includes preliminary and final plans.
04/18 – Present	**I-49 South at Verot School Road** This project, which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Road NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design, and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabout.
09/14 – 08/15	**LA 16: Roundabout at LA 447, Livingston, LA** Responsible for developing roundabout preliminary roadway plans in accordance with LaDOTD design guidelines, creating horizontal and vertical alignment layouts, modeling roadway to determine required right-of-way limits, developing a sequence of construction, and performing hydraulic analysis. Includes TTC Plans.
11/15 – 07/20	**Southcity Parkway Extension, Lafayette, LA** This project will construct a new 1.7-mile, four-lane median-divided corridor between US 167 (Johnston Street) and Kaliste Saloom Road. It includes three multilane roundabout intersections and a new bridge design. The roadway and drainage design are being completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design (preliminary and final plans), and traffic services. Includes TTC Plans.

Firm employed by: Gulf South Research Corporation					
Name	**Suna Adam**		Years of relevant experience with this employer	31	
Title	President		Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization			B.S. / 1988 / Forestry-Wildlife Management		
Active registration number/state/expiration date			NA		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Role on this Project: Quality Control / Quality Assurance Officer		

Suna is the President and a Senior Biologist at GSRC. As President, Suna maintains ultimate technical and financial responsibility for all contracts. She, therefore, also has the authority to assign personnel to projects, acquire the equipment or additional personnel necessary to complete a task, and to obtain subcontractors or consultants on an as-needed basis. Suna has served as contract manager on numerous indefinite delivery contracts for various governmental agencies, including LADOTD. Under her leadership, GSRC has grown from one employee in 1994 to 34 full-time professionals, with a contract-based providing annual revenues of several million dollars. As Senior Biologist, Suna has participated in numerous environmental projects, including endangered species surveys, wetland delineations, Environmental Assessments (EA), and environmental impact statements (EIS). Suna has attended various training courses including the NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making", a 40-hour Hazardous Waste Training course under 29 CFR 1910.1120 requirements, the USACE Regulatory IV Wetland Identification and Delineation course, a U.S. Fish and Wildlife (USFWS) Symposium on the red-cockaded woodpecker, and a Habitat Evaluation Procedures course also sponsored by USFWS.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/19-Ongoing	**General Services Administration (GSA), Contract No. 47QRAA19D006W.** Suna was responsible for preparing the proposal and award for this contract. Suna maintains the website information required for the contract, as well as the supplement to the new task order cost proposals. GSRC has numerous new tasks on this contract, including cultural and natural resources studies.
09/22-Ongoing	**Program Manager. IDIQ Contract for Environmental and Cultural Resources. Contract No. W9123822D017 for USACE Sacramento District.** Suna manages the contractual responsibilities of the contract. She approves cost proposals, QA/QC of deliverables, modifications, and any updates required.
06/22-06/24	**Contract Manager. Environmental Assistance in Texas, Louisiana, Mississippi, and Arkansas. Contract No. 1064375-0000 for Entergy.** Suna was the contract manager for this contract. She was responsible for delegating the awarded projects, cost proposals, and overall contractual duties required.
03/99-03/19	**General Services Administration (GSA), Contract No. GS-10F-0058K.** Suna was responsible for updating the eBuy website, answering requests for proposals, and reporting on quarterly sales of this contract. She managed all aspects of this contract, such as annual reporting and maintaining the contractual requirements of the online documentation.
02/21-07/21	**Contract Manager. Retainer Contract for Cultural Resources, (4400014188) LADOTD**. GSRC was awarded the Retainer Contract for Cultural Resources. GSRC completed numerous task orders throughout Louisiana, including the Bonita Overpass and the Verot School Road Phase I cultural resources surveys.

02/17-02/19	**Contract Manager. Retainer Contract for Forestry Services, (H.000428) LADOTD.** Suna was responsible for the overall management of the retainer contract. She delegated the staff for the fieldwork required to conduct forest inventories on several private landowners' properties. She also conducted QA/QC on all deliverables submitted to LADOTD.
06/19-06/19	**Project Manager. Gopher Tortoise Surveys of the Plains All American Pipeline Right-of-Way, De Soto National Forest, Mississippi.** GSRC was contracted to conduct biological surveys for the **federally endangered gopher tortoise** (*Gopherus polyphemus*) along a 19-mile-long section of the Plains All American pipeline right-of-way that traverses portions of the De Soto National Forest in Mississippi. GSRC biologists located and marked a total of 48 gopher tortoise burrows during the survey.
11/07-08/13	**Program Manager. Environmental Impact Statement, Interstate 69 (I-69) Corridor, Shreveport, Louisiana, LADOTD**. Suna coordinated the assignments for the wetland surveys, archaeological surveys, and meetings required for this EIS. GSRC was contracted to conduct all wetland delineations and reporting, as well as the cultural resources surveys required for this project. A Biological Assessment (BA) was also completed and approved by the USFWS for the red-cockaded woodpecker. GSRC attended and assisted in the Public Meetings held in Shreveport.
01/01-11/03	**Program Manager. Environmental Impact Statement, North-South Expressway (I-49), Shreveport to the Arkansas State Line, LADOTD.** Suna was the Program Manager for this project. Suna assisted in the technical review and data collection for the preliminary stages of this 42-mile corridor study. The primary tasks for GSRC were the cultural resources surveys for all alternatives proposed. A wetlands delineation and standing structures survey and report were also completed for this study. In addition, Suna assisted in preliminary report preparation and review of all documents submitted.
02/02-10/04	**Project Manager. Environmental Inventory for the Proposed Louisiana Highway 117 Project, LADOTD.** Suna was responsible for all coordination, data collection, and field reconnaissance required to complete this project for LADOTD. This project consisted of utilizing all existing information and field verification. These results were incorporated into an environmental inventory report, which included the potential impacts on protected species, scenic streams, and wetland areas.
01/01-10/02	**Project Manager. Wetland Delineation of Chalmette-Algiers Mississippi River Bridge, Plaquemine, St. Bernard, and Orleans Parishes, LADOTD.** Suna participated in field investigations, data collection, coordination, and report preparation for the corridor study. GSRC also attended the public meetings and authored sections of the NEPA document prepared for the project.
11/98-01/99	**Project Manager. Wetland Delineation for Rigolets Pass and Approaches, Orleans Parish, LADOTD.** Suna managed project tasks, coordination, data collection, field investigations, and report preparation for the corridor study.
01/99-06/99	**Project Manager. Red-cockaded Woodpecker (RCW) Survey of the Weaver Cemetery Bridge Site, Natchitoches Parish, (STP 700-09-0159) LADOTD.** Suna led a field crew to conduct RCW surveys in Natchitoches Parish. A 0.5-mile radius was surveyed in the pine forest adjacent to the Weaver Cemetery Bridge. There were no known RCW cavity trees within the project area, and foraging habitat was not present.
09/92-03/93	**Project Manager. Biological Assessment for the RCW, LADOTD.** Suna participated in all field surveys for the RCW along US Highway 165 from Jennings, Louisiana, to Longleaf, Louisiana. She authored the BA and coordinated with the USFWS during the preparation of the Biological Opinion. She also was involved in the decision to relocate the RCW documented within the proposed project corridor.

Firm employed by: Gulf South Research Corporation					
Name	**Jenifer Davis**			Years of relevant experience with this employer	1
Title	Archaeology Field Technician			Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization				B.A. / 2023 / Anthropology	
Active registration number/state/expiration date				NA	
Year registered	NA	Discipline		NA	
Contract role(s) / brief description of responsibilities				Role on this Project: Archaeology Field Technician	

Jenifer has worked in the southern U.S., particularly the Gulf Coast region, where she has conducted multiple surveys in the field documenting both soil changes and probability of archaeological finds, along with the delineation of any newly discovered or previously recorded sites. Jenifer has assisted in managing and performing various field-related tasks and has written company-client reports.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/24-08/25	**Archaeologist/Archaeological Field Technician. Mississippi River Bridge South Cultural Resources Project.** Jenifer is participating in the ongoing archaeological field survey and is assisting in documenting positive shovel tests by taking photos of diagnostic and nondiagnostic artifacts. She is also assisting the architectural historian in the ongoing aboveground survey, identifying and documenting historic built resources and structures older than 45 years that may be affected by the proposed project.
05/24-06/25	**Archaeologist/Technical Preparer. Environmental Compliance Services for the Implementation of the CSCFO. Cultural Resources Evaluations Phase.** Jenifer is assisting in the cultural resources evaluations Phase of the ongoing project, including writing and preparing cultural resources evaluation memos and conducting extensive background research for each memo.

Firm employed by: Gulf South Research Corporation					
Name	**Allen Fuller**		Years of relevant experience with this employer	13	
Title	Wetland Biologist		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			B.S. / 2008 / Plant and Soil Systems		
Active registration number/state/expiration date			Wetland Training Institute Wetland Plant Species Identification		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Role on this Project: Wetland Biologist / Delineation		

Allen has participated in restoration projects in multiple states for clients including USACE, DoD, and various private companies. Allen has conducted numerous wetland delineations and biological surveys. He has also assisted in wetland mitigation banking projects. Allen currently manages multiple ongoing restoration projects for government agencies. He has conducted plant propagation, pesticide applications, and implemented various revegetation methods on many species in a variety of settings and has designed and installed irrigation systems for restoration projects in numerous states.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09-Ongoing	**Biologist. Wetland Delineations for Private Clients, Louisiana.** Allen assisted in the field surveys, report preparation, and permitting processes for wetland delineations within several parishes in Louisiana. Field surveys, plant identification, and report preparation were required to be submitted to the USACE for verification of wetland boundaries and permitting of dredge and fill operations for property development.
02/20-02/21	**Biologist. Wetland Delineations for a Proposed Wind Farm in Quitman and Tunica Counties, Mississippi.** GSRC was contracted by CSRS to determine the extent of potential jurisdictional Waters of the U.S., including wetlands on approximately 43,000 acres near Tunica, Mississippi. The Area of Interest (AOI) consisted primarily of private agricultural lands interspersed with wooded streams and forested hunting lands. Allen served as a field biologist for the wetland delineations, which were conducted both on foot and with the use of ATV's over the course of several months. Threatened and endangered species surveys were conducted concurrently with the wetland delineation surveys.
09/17-10/18	**Field Biologist. Multiple Wetland Delineations of Separate Project Areas for the Joint Readiness Training Center and Fort Johnson, Vernon Parish, Louisiana.** GSRC was contracted by the USACE, Fort Worth District, to perform wetland delineations for various construction projects as part of a larger effort to manage newly acquired lands within the jurisdiction of Fort Johnson. These lands contain large expanses of bottomland hardwood that offer potential as future mitigation credit sites. Allen has participated in two wetland delineations for separate construction projects that have or will take place on the newly acquired property. The wetland delineation project areas were 18 acres and 87 acres in size and predominantly were located in areas containing upland loblolly pine plantations, mixed hardwood-loblolly pine forests, and bottomland hardwood forests. Allen conducted the wetland delineation data collection and mapping and prepared the final summary report.

Firm employed by: Gulf South Research Corporation					
Name	**Christy Guempel**		Years of relevant experience with this employer	6	
Title	GIS Analyst		Years of relevant experience with other employer(s)	10	
Degree(s) / Years / Specialization			B.S. / 2003 / Geography		
Active registration number/state/expiration date			NA		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Role on this Project: GIS Analyst		

Christy has over 14 years of professional experience as a geographic information systems (GIS) analyst and 7 years of professional experience as a GIS supervisor/trainer. Christy's environmental background includes working on projects involving coastal restoration, cultural resources, emergency response, environmental assessment, environmental remediation, litigation support, planning, permitting, wetland delineations, and wildlife habitat. Her responsibilities include geodatabase design and data entry, coordinate conversion, cartographic design, georeferencing, digitizing, spatial analysis, image interpretation, and supervised classification. Christy is proficient in ESRI's suite of software, Version 10.6 and below. She has experience with light detection and ranging (LiDAR) analysis using Global Mapper software. She is also experienced with GPS equipment/software, such as ArcGIS Collector, Pathfinder Office, and Terrasync.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/21-12/22	**Senior GIS Analyst. Environmental Support for the Laredo Soft Sided Facility (SSF) in Laredo, Webb County, Texas.** GSRC was contracted to conduct a Phase I cultural resources survey of approximately 31 acres in Laredo, Texas. Christy georeferenced and digitized previous archeological investigations and surveys within one mile of the survey area. She also georeferenced a series of historical aerials showing the survey boundary. She processed all the Trimble GPS data collected in the field. Christy created the maps presented in the report.
10/20-02/22	**Senior GIS Analyst. Louisiana Phase I Archaeological Investigation of 54 Acres for the Louisiana Correctional Institute for Women (LCIW) in Iberville Parish, St. Gabriel, Louisiana.** GSRC was contracted to conduct a cultural resources survey of 54 acres of land for the proposed construction of the Louisiana Correctional Institute for Women (LCIW) on behalf of Grace Hebert Curtis Architects and U.S. Department of Homeland Security Federal Emergency Management Agency (FEMA), Region VI. Christy processed the shovel test pit (STP) GPS data. Following field notes and hand-drawn plots, she digitized the STPs for the delineation of the archaeological site found on the property. She georeferenced and digitized the previous archaeological survey and sites conducted within a one-mile buffer of the project area. She created the figures presented in the report.
04/19-01/21	**Senior GIS Analyst. Phase I Cultural Resources Survey of 4,017 Acres for the Bienville National Forest Service, Smith, Newton, and Scott County, Mississippi.** GSRC was contracted by the U.S. Forest Service (USFS) to conduct an intensive Phase I cultural resources survey of approximately 4,017 acres in Smith, Newton, and Scott Counties, Mississippi, within the Bienville National Forest. Christy was responsible for GIS analysis, cartographic design, development of all maps for the report, and supervised the completion of the GIS geodatabase.
09/18-11/19	**Senior GIS Analyst. Phase I Cultural Resources Survey for the Bienville National Forest Service, Scott County, Mississippi.** GSRC was contracted by the USFS to conduct an intensive Phase **I cultural resources survey** of 4,980 acres among 81 units across 21 Compartments within the Bienville National Forest in support of the proposed Timber Sale Project in Scott County, Mississippi. Christy

	provided GIS analysis of the field data, cartographic design, set up the geodatabase schema, and created all maps presented in the report. She also supervised the completion of the GIS geodatabase deliverable.
09/14-09/19	**GIS Analyst. Phase II (Cultural Technical Report) Environmental Planning Support for Rio Grande Valley Remote Video Surveillance System Program Update, U.S. Customs and Border Protection, Rio Grande Sector. CBP.** Christy created the maps presented in the cultural resources technical report for the archaeological site testing of six archaeological sites discovered during the Phase I cultural resources survey. Along with creating the figures in the report, she also created the trench and test unit profile cross sections by georeferencing and digitizing the hand-drawn grid field maps using ArcMap.
03/18-06/18	**Senior GIS Analyst. Phase I Cultural Resources Survey of 55 Acres for Proposed Obstruction Removal, Allen Parish Airport, Allen Parish, Louisiana.** GSRC personnel conducted a Phase I cultural resources survey of 55 acres for proposed obstruction removal for the Allen Parish Airport in Allen Parish, Louisiana. Christy assisted with this project by providing GIS analysis and cartographic design. She mapped the project location, overlaid NRCS soils data, georeferenced the 30 x 60 Geological Quadrangle for the project area, and created maps for the cultural resources survey report.
09/18-10/20	**Senior GIS Analyst. Phase I Archaeological survey of 330 acres at the Townsend Bombing Range, McIntosh and Long County, Georgia.** GSRC was contracted to conduct a Phase I archaeological survey of approximately 330 acres in McIntosh and Long Counties within the Townsend Bombing Range Area. Christy pre-plotted over 1,400 STP points within the survey area to help the Project Director and field crew conduct the field survey. She processed the STP GPS data. Following hand-drawn plots, she digitized the STPs for the delineation of potential sites found within the survey area. She georeferenced and digitized the previous archaeological survey and sites conducted within a one-mile buffer of the project area. She created the figures presented in the report.
09/19-10/21	**Senior GIS Analyst. Phase I Archaeological survey of 398 acres at the Harvey Point Defense Testing Activity Area, Perquimans County, North Carolina.** GSRC was contracted to conduct a Phase I archaeological survey of approximately 398 acres in Perquimans County within the Harvey Point Defense Testing Activity Area. Christy processed the Trimble GPS field data collected in the field. She digitized the delineated STPs for the seven sites found within the survey area using the hand-drawn field maps and digitized the proposed new archaeological boundaries for the site. She created the figures presented in the report.
03/22-Ongoing	**Senior GIS Analyst. Phase I Cultural Resources Survey of 166 acres for a Proposed Green Fuels Bio-Refinery in Caldwell Parish, Louisiana.** GSRC was contracted by Eagle Environmental Services, Inc. to conduct a Phase I archaeological survey near the Port of Columbia, LA, in Caldwell Parish. The project survey was approximately 166 acres. Christy created pre-plotted STPs to assist with the field survey. She also created an ArcGIS Collector map for collecting data in the field. She georeferenced and digitized all previous investigation archaeological data from the LA archaeology website within 1 mile of the project area. She processed all the GPS field data. She created all figures presented in the report using the field data and hand-drawn delineation field maps.
05/22-10/22	**Senior GIS Analyst. Maurice Environmental Analysis: Desktop Cultural Resources Constraints Analysis.** Christy assisted with this project by mapping the proposed new and replacement powerline poles for Entergy. She georeferenced and digitized the previous archaeological sites and surveys that intersected the project area. She created the figures presented in the findings report.
03/21-Ongoing	**Senior GIS Analyst. Eagle Environmental Wetland Delineation, Louisiana.** GSRC was contracted by Eagle Environmental Services, Inc. to perform wetland delineations on multiple parcels of land near the Port of Columbia, Louisiana. Christy assisted in mapping the field-verified wetland data for the Hatten-Car and Little River tracts and created all figures presented in the two reports.

Firm employed by: Gulf South Research Corporation					
Name	**Ross Hackbarth**		Years of relevant experience with this employer	6	
Title	Wetland Biologist		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			B.A. / 2014 / Botany		
Active registration number/state/expiration date			Wetland Training Institute – Wetland Delineation Training 2017		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Role on this Project: Wetland Biologist / NEPA		

Ross Hackbarth is an ecologist specializing in vegetation assessments, wetland delineations, and floral inventories. Mr. Hackbarth has 5 years of experience in habitat analyses, ecological restoration, and NEPA documentation for numerous projects throughout the southern U.S. Mr. Hackbarth has assisted in the development of NEPA documents, including EAs. He has performed field surveys for threatened and endangered species and habitat management planning for invasive species, including mapping seed collection sites for re-plantings. Additionally, Mr. Hackbarth has experience in native plant nursery and greenhouse operations, wildlife surveys, nationwide permitting, and construction monitoring standards and regulations.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/20-09/23	**Biologist. Environmental Assessment for Facility Enhancements and Land Use Modification Projects at Columbus Air Force Base, Mississippi.** GSRC was contracted by USACE, Mobile District, to complete an EA and supporting environmental studies for proposed construction, demolition, and land use modification actions at Columbus Air Force Base in Lowndes County, Mississippi. The proposed projects were the replacement and construction of a physical fitness center, the replacement and construction of a water storage tank, and the permanent placement of fill material into and onto the bottom of a man-made lake. Mr. Hackbarth served as a technical preparer for sections of the EA and provided quality assurance for supporting documents, including a biological resources report and environmental baseline study. Additionally, Mr. Hackbarth served as a GIS analyst and assisted with map creation for the various documents required under the contract.
09/19-10/21	**Field Biologist. Rare, Threatened, and Endangered Species, Bird, and Invasive Plant Inventory at Naval Construction Battalion Center Western Maneuver Area, Hancock County, Mississippi.** Naval Facilities Engineering Systems Command Southeast (NAVFAC SE) contracted JESCO Environmental and Geotechnical Services, Inc., and GSRC to conduct an inventory of rare, threatened, and endangered species, birds, and invasive plants on approximately 1,477 acres of land newly acquired by the U.S. Navy at the Naval Construction Battalion Western Maneuver Area (NCBC WMA) in Hancock County, Mississippi. Knowledge of the site occupancy and seasonal use of the survey area by these species supports the long-term sustainment and planning of NCBC WMA actions. Mr. Hackbarth participated in fall field surveys, which included live trapping (e.g., hoop nets, cover boards, trash can traps), bird point count stations, and pedestrian transects. One species documented in 2019 during point-count surveys, the little blue heron (*Egretta caerulea*), is considered a Tier II species of concern in the state of Mississippi.
02/20-02/21	**Field Biologist. Wetland Delineations for a Proposed Wind Farm in Quitman and Tunica Counties, Mississippi.** GSRC was contracted by CSRS to determine the extent of potential jurisdictional Waters of the U.S., including wetlands on approximately 43,000 acres near Tunica, Mississippi. The survey area consisted primarily of private agricultural lands interspersed with wooded streams and forested hunting lands. Mr. Hackbarth served as a field biologist for the wetland delineations, which were conducted

	both on foot and with the use of ATVs over the course of several months. Threatened and endangered species surveys were conducted concurrently with the wetland delineation surveys.
09/17-10/18	**Field Biologist. Wetland Delineations, Stream Biomonitoring Support, and Vital Rate Support for Fort Johnson, Vernon Parish, Louisiana.** GSRC was contracted by the USACE, Fort Worth District, to provide various environmental services at Fort Polk, including stream biomonitoring. Stream fish assemblages and macro-invertebrate surveys are used at Fort Polk to monitor water quality and assess potential effects of training activities on aquatic ecosystem health. GSRC assisted with studies to quantify the relative health of a limited number of streams on Fort Johnson in primary training lands. These studies can be used to address questions regarding potential training effects that may arise during NEPA analyses. Mr. Hackbarth took part in the stream biomonitoring of six Fort Johnson streams, which included: 1) electroshocking to collect fish samples; 2) scoop net sampling for macroinvertebrates; and 3) a qualitative analysis of stream appearance, structure, and condition.
02/19-10/19	**Field Biologist. Wetland Delineation for the East Jackson County Wastewater Treatment Plant, Jackson County, Mississippi.** GSRC was contracted by Arcadis, on behalf of the East Jackson County Wastewater Treatment Plant, to perform a wetland delineation on a proposed pipeline ROW and adjoining parcel of land encompassing a total area of 203 acres. Habitat within the project area included pine and mixed pine-hardwood forests, bottomland hardwood forests, and periodically maintained pipeline and powerline ROWs. Mr. Hackbarth served as a biologist during all field survey activities. The project area was found to contain approximately 166 acres of potentially jurisdictional wetlands and 16,534 linear feet (3.13 miles) of potential jurisdictional Waters of the U.S.
01/19-11/19	**Field Biologist. Biological Resources Survey and Wetlands Delineation for the Rio Grande Valley 50-Mile New Wall Construction Project, Starr and Hidalgo Counties, Texas. 2019.** CBP contracted GSRC to provide environmental planning support for the proposed construction of approximately 50 miles of new border wall. Mr. Hackbarth served as a biologist for all natural resources survey activities, including threatened and endangered species surveys, comprehensive floral and faunal documentation, and wetlands delineations. GSRC biologists conducted meandering pedestrian transects through the 200-foot-wide project corridor. Species lists were recorded for distinct vegetation communities. Threatened or endangered species observed included Zapata bladderpod (*Physaria thamnophila*), Texas tortoise (*Gopherus berlandieri*), and Texas horned lizard (*Phrynosoma cornutum*). Wetland delineations were conducted in accordance with the *Technical Report Y-87-1, Corps of Engineers Wetlands Delineation Manual,* and the *2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Great Plains Region*
04/18-09/18	**Technical Preparer. Preparation of Clean Water Act Section 404 Nationwide Permit Pre-Construction Notification for RGV-WSL-South Road and RGV-FTB-Gallinas RVSS Tower Locations, Texas.** GSRC was contracted by CBP to prepare separate Clean Water Act (CWA) Section 404 permit applications for the alteration of jurisdictional wetlands from planned construction activities. CBP proposed to construct approximately 72 new Remote Video Surveillance System (RVSS) towers in its RGV sector, and two of these tower locations were previously identified as occurring in areas delineated as potentially jurisdictional wetlands. CWA Section 404 permits must be submitted to the proper USACE district in order to construct within these areas. Mr. Hackbarth authored the two permit applications that were submitted in order to obtain a Nationwide Permit 39. The tower sites were designed in a manner that prevented having to conduct off-site mitigation for the proposed tower construction locations.

Firm employed by: Gulf South Research Corporation					
Name	**Mark Hathorn**			Years of relevant experience with this employer	3
Title	Archaeological Technician			Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization				B.A. / 2017 / Anthropology	
Active registration number/state/expiration date				Registered Archaeologist	
Year registered	2020	Discipline		Registered Archaeologist	
Contract role(s) / brief description of responsibilities				Role on this Project: Crew Chief / Field Technician	

Mr. Hathorn's professional experience as a field technician and as a crew chief includes cultural resources management projects servicing State Parks and National Forests, site damage assessment and mitigation projects, surveying for roadway maintenance projects, and surveying land for the U.S. Military. Projects include large-scale Phase I cultural resources surveys in Tombigbee, Holly Springs, Bienville, Desoto, and Homochitto National Forests in Mississippi, in south Texas along the Rio Grande, and Ocala and Osceola National Forests in Florida. Phase I cultural resources surveys of parcels in Ascension and Iberville Parishes, Louisiana, for proposed new construction projects, and surveys for Harvey Point Base in North Carolina, Townsend Bombing Range in Georgia, as well as land surveys for the U.S. Government in upstate New York. He has been involved in Phase II archaeological site testing investigations for the Alabama Army National Guard, and in the city of New Orleans at Iberville, as well as in Phase II archaeological site testing in Starr County, Texas.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/22-Ongoing	**Archaeologist/Archaeological Field Technician. Phase I Archaeological Survey of 130 Acres for the Cadillac Heights Levee, Dallas County, Texas.** Mr. Hathorn served as an archaeological field technician for a Phase I cultural resources survey to identify cultural resources that may be impacted by the proposed Cadillac Heights Levee within the Dallas Floodway Extension within the upper Trinity River Watershed, along the Trinity River. Systematic shovel testing and pedestrian surveys were carried out for this project. Mr. Hathorn also conducted and compiled research for the cultural resources survey technical report and co-authored the built environment historic context.
05/22-Ongoing	**Archaeological Field Technician. Phase I Cultural Resources Survey in Caldwell Parish, Louisiana.** Mr. Hathorn served as an archaeological field technician and contributed to the final report of a Phase I cultural resources survey to identify cultural resources that may be impacted by the proposed construction and operation of a new Louisiana Green Fuels Bio-Refinery near the Port of Columbia, Louisiana. The field surveys included systematic shovel testing and pedestrian surveys.
01/22-05/22	**Archaeological Field Technician. Phase I Cultural Resources Survey of 1 Acre for the Ursula Parking Lot Land Purchase in McAllen, Hidalgo County, Texas.** Mr. Hathorn served as an archaeological field technician for the cultural resources survey of approximately 1 acre in McAllen, Texas. The survey was conducted on behalf of CBP for the proposed development of a parking lot to accommodate the existing and adjacent McAllen Centralized Processing Center (CPC). A pedestrian walkover utilizing 5-meter intervals and the excavation of 2 shovel test pits were carried out during this survey. No cultural materials were recovered.
10/20-02/22	**Archaeological Field Technician. Phase I Archaeological Investigations of 54 Acres for the Louisiana Correctional Institute for Women (LCIW) in Iberville Parish, St. Gabriel, Louisiana.** Mr. Hathorn was involved in a Phase I cultural resources survey with GSRC. He conducted shovel testing and a pedestrian survey and assisted the field director with data collection and day-to-day operations. Mr. Hathorn also assisted with artifact analysis, as well as cataloging and photographing recovered artifacts.

10/20	**Archaeological Field Technician. Phase I Archaeological Investigation of .55 Acres for the Proposed Retaining Wall, Ascension Parish, Louisiana.** Mr. Hathorn was involved in a Phase I cultural resources survey with GSRC. He conducted shovel testing and a pedestrian survey. The objective of this investigation was to determine the presence/absence of archaeological resources across the survey area. A total of 9 shovel test pits were excavated. No new sites were recorded within the project area, and one previously discovered recorded site (16AN15) was updated.
01/20-10/20	**Archaeological Field Technician. Phase I Cultural Resources Survey for the Desoto National Forest, Wayne County, Mississippi.** Mr. Hathorn was involved in a Phase I cultural resources survey with Wiregrass Archaeological Consulting. He conducted shovel testing, artifact recovery, and led site boundary delineations. He repaired field gear when necessary and assisted the field director with day-to-day operations and data recovery.
07/19-01/21	**Crew Chief/Archaeological Field Technician. Phase I Cultural Resources Survey for the Bienville National Forest Service, Smith, Newton, and Scott County, Mississippi.** Mr. Hathorn served as a crew chief with GSRC for a Phase I cultural resources survey. Leading crews in the field, he assisted the field director in day-to-day operations and data collection efforts. He participated in shovel testing, artifact recovery, and conducted site boundary delineations. Mr. Hathorn assisted in the analysis of historical materials as well as contributing to the cultural resources survey report.
05/20-Ongoing	**Crew Chief/Archaeological Field Technician. Intensive Cultural Resources Survey of 16.7 miles for the proposed construction and maintenance of Border Barrier and Associated Infrastructure, U.S. Border Patrol, Laredo Sector, Webb County, Texas.** Mr. Hathorn served as a crew chief with GSRC for a Phase I cultural resources survey. Leading crews in the field, he assisted the field director in day-to-day operations and data collection efforts. He participated in shovel testing, artifact recovery, and conducted site boundary delineations. Mr. Hathorn assisted in the analysis of historical materials, conducted background research, and prepared sections for the cultural resources survey technical report.
10/20-5/21	**Curatorial Assistant. Artifact Curation for Testing and Data Recovery for clearing and grubbing of 302 acres at England Airpark. Alexandria, Louisiana.** Mr. Hathorn assisted the archaeological laboratory director in preparing artifacts and associated documents for curation at the State of Louisiana curation facility in Baton Rouge, Louisiana. This includes properly bagging and labeling artifacts to repository standards, preparing curation boxes, organizing associated documents, as well as photo documenting culled artifacts and cultural materials that are included in the deliverables for curation.
04/20-10/22	**Archaeological Field Technician. Phase I Archaeological Investigation of the Greenfield development on Robert Brothers' farm in St. John the Baptist Parish, Louisiana.** Mr. Hathorn was involved in a Phase I cultural resources survey. He conducted shovel testing, a pedestrian survey, and assisted the field director with data recovery and day-to-day operations. Mr. Hathorn also assisted in artifact processing and analysis. GSRC was contracted to survey additional acreage to address a revised layout of the original project area, resulting in an Addendum to the initial Phase I Archaeological investigation. Mr. Hathorn assisted with the preparation of the public version of the Phase I Archaeological Investigation Technical Addendum Report.

Firm employed by: Gulf South Research Corporation GSRC					
Name	**John Lindemuth**		Years of relevant experience with this employer	29	
Title	Principal Investigator / Archaeologist		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			M.A. / 1994 / Anthropology B.A. / 1990 / Anthropology / Sociology		
Active registration number/state/expiration date			NA		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Role on this Project: Archaeologist		

Mr. Lindemuth has 23 years of experience in cultural resource management. He has participated in and supervised intensive cultural resources surveys, National Register of Historic Places (NRHP) Eligibility archaeological site testing, and data recovery excavations in nine states. He has experience in both prehistoric and historic site evaluation and excavation. He has analyzed both historic and prehistoric cultural remains for several different projects. Mr. Lindemuth's experience working with governmental agencies at the local, state, and Federal levels has given him a broad knowledge of compliance with Section 106 of the National Historic Preservation Act (NHPA). Mr. Lindemuth has supervised and participated in a chain of title search for historic properties, cultural resources surveys (Phase I), archaeological site testing (Phase II), and data recovery (Phase III). Mr. Lindemuth has also prepared technical reports, which outlined the results of all phases of archaeological investigations as well as agreement documents, such as Memorandums of Agreement (MOAs) and Programmatic Agreements (PAs), and preparation of Section 106 Adverse Effects documentation. Mr. Lindemuth is also familiar with the preparation of artifacts and associated records for permanent curation in accordance with curation guidelines, including those published by the Louisiana Division of Archaeology. Mr. Lindemuth is very familiar with conducting Section (4f) evaluations for LADOTD and Federal Highway Administration when highway improvements have the potential to affect public parks and recreational areas, waterfowl and wildlife refuges, and historic sites.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/18-05/20	**Principal Investigator. Cultural Resources Survey of 12.01 Linear Miles and 20 Grading and Construction Easements for the Proposed Rio Grande City Road Improvement Project, Rio Grande City, Texas, Rio Grande Valley Sector, U.S. Customs and Border Protection, Department of Homeland Security, Starr County, Texas.** Mr. Lindemuth served as Principal Investigator for the intensive cultural resources survey of 12.01 linear miles of road construction and improvement corridor totaling 57.4 acres. The survey included a pedestrian walkover and excavation of STPs. The survey identified 14 new archaeological sites, revisited and updated two previously identified archaeological sites, and recorded 12 isolated occurrences. Four of the 16 archaeological sites recorded or updated during the survey were recommended for additional testing to determine their eligibility for the NRHP. Mr. Lindemuth directed crews in the field, co-authored the cultural resources technical report, and integrated the findings in the associated NEPA documentation for the project.
12/13-12/14	**Principal Investigator. Phase I Cultural Resources Survey for the Proposed England Airpark Clearing and Grubbing for Wildlife Hazards Control.** Mr. Lindemuth served as the principal investigator for the **cultural resources survey** of 53 acres for proposed clearing and grubbing. Two archaeological sites, two standing structures, and two isolated finds were recorded during the surveys. None of the sites, standing structures, or isolated finds were recommended for the NRHP. Mr. Lindemuth wrote the technical report outlining the results of the study and also integrated the results into the EA, which was prepared for the project in compliance with the NEPA.
04/14-10/17	**Principal Investigator. Archaeological Phase II Testing and Phase III Mitigation and Data Recovery at Two Cultural Resources Sites, The McNutt Plantation (16RA692) and the Weil Property (16RA703), for England Economic and Industrial Development District,**

	Alexandria, Louisiana. Mr. Lindemuth served as the principal investigator for the combined Phase II NRHP **archaeological site testing** and Phase III **data recovery** excavations for two historic sites located in Rapides Parish, Louisiana. Mr. Lindemuth aided in the development of the Research Design and Work Plan, culling agreement, the management summaries for both the Phase II and Phase III work, the Memorandum of Agreement to address the adverse impacts on the sites, and the combined Phase II and III technical report. The project recovered over 3,000 artifacts dating from the mid-nineteenth to the twentieth century, found in association with multiple features, including foundation piers and a below-ground cistern. The production of the management summaries allowed for the expedited review of the project so that it could proceed while the final cultural resources report was completed.
07/07-01/16	**Principal Investigator. Phase I Survey of the proposed I-69 Corridor, Caddo and Bossier Parishes, Louisiana**. Mr. Lindemuth served as principal investigator and supervised the field investigations during the Phase I **cultural resources survey**. The project consisted of multiple phases of data collection that were analyzed using GIS and used for the planning of the project corridor. The sources of data included known archaeological sites, known historic standing structures, geomorphology of the area, high- and low-probability zones developed by the principal investigator, the geomorphologist, and the field director, and the results of a standing structure survey of a preferred corridor. Phase I intensive cultural resources surveys were conducted on the alignment selected using these criteria. Mr. Lindemuth directed the field investigations and was the primary author of the cultural resources survey report, which outlined the results of the surveys.
09/22-Ongoing	**Project Archaeologist. Class III Cultural Resources Survey of 12-Acres for the Proposed Three Points Border Patrol Station Expansion, U.S. Border Patrol Tucson Sector, Pima County, Arizona (Arizona Department of Transportation Project Number: H08801R, Agreement CRA-3308-1), CBP.** Mr. Lindemuth served as project archaeologist for the cultural resources inventory of 12 acres for the proposed expansion of the U.S. Border Patrol Station located in Three Points, Arizona. The project was conducted in association with SWCA Environmental Consultations under their permit for Arizona State Land. Nine isolated occurrences were noted during the surveys, none of which were recommended for the National Register of Historic Places. Mr. Lindemuth coordinated the fieldwork with personnel from both companies and prepared the Arizona State Historic Preservation Office Survey Report Summary Form under the direction of the principal investigator for the project.
03/22-02/23	**Project Archaeologist. Class I Inventory for Six Proposed Bore Hole Locations at Kartchner Caverns State Park, Cochise County, Arizona.** Mr. Lindemuth served as principal investigator for a Class I Inventory of proposed borehole locations in support of a new wastewater treatment facility at Kartchner Caverns State Park. The Class I Inventory included a review of the records in the online AZSITE database as well as a virtual records check of the records housed at ARO. The Class I inventory showed the areas for the proposed improvements, and borehole locations were surveyed over 10 years ago and have not been updated to today's standards. In addition, two previously recorded archaeological sites were found associated with two of the borehole locations. Given the results of the Class I inventory, it was recommended that the area be subject to a Class III intensive archaeological survey and the two previously recorded archaeological sites be relocated and updated. Mr. Lindemuth prepared the Class I Inventory letter report outlining the results of the record search and his recommendations.
06/21-10/22	**Project Archaeologist. EA for Hurlburt Field Access Gates Reconstruction, Hurlburt Field, Florida.** Mr. Lindemuth served as project archaeologist and subject matter expert for the preparation of the cultural resources section for an EA to address potential effects from the reconstruction of five access gates and the reconstruction of a commercial vehicle inspection gate at Hurlburt Field. Mr. Lindemuth utilized existing data, including the Integrated Cultural Resources Management Plan (ICRMP), to assess the potential impacts to cultural resources from the reconstruction of the gates. Mr. Lindemuth prepared the cultural resources section that assesses the potential effects of the alternatives, which will be integrated into the EA for the project.

Firm employed by: Gulf South Research Corporation					
Name	**Anna Marcum**		Years of relevant experience with this employer	.06	
Title	Architectural Historian		Years of relevant experience with other employer(s)	7	
Degree(s) / Years / Specialization			M.S./2018/Preservation Studies; B.A./2013/ Art History		
Active registration number/state/expiration date			NA		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Role on this Project: Architectural Historian		
Ms. Marcum will be the Architectural Historian for this contract. She has over 7 years of experience in historic preservation and architectural history. She has conducted fieldwork and research in multiple states, including Louisiana. She is experienced in Section 106 compliance evaluations and preservation planning.					
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/18-Ongoing	**Principal Investigator. Cultural Resource Assessments and Preservation Consultation Services, Multiple Projects.** Ms. Marcum has served as Principal Investigator for numerous cultural resource assessment projects, including Section 106 compliance evaluations for federal undertakings, National Register eligibility evaluations, and historic structure reports. Notable projects include work with Workforce Group, providing architectural historian expertise for government contract compliance, collaboration with McNair Historic Preservation, conducting architectural research and updating National Register nominations, and consultation services for Hammond Historic District Commission, developing preservation education materials and regulatory guidance. Ms. Marcum has produced technical reports, preservation briefs, and educational materials while maintaining compliance with federal and state preservation standards.				
02/24-02/25	**Senior Director of Preservation. Countywide Historic Preservation Program Management and Community Engagement Initiative.** Heritage Foundation of Williamson County. Ms. Marcum served as Senior Director, leading comprehensive historic preservation initiatives for Williamson County, Tennessee. The program included development and execution of the Preserve Williamson Campaign, featuring community town halls, media outreach, and educational programming reaching over 5,000 county residents. Ms. Marcum established the county's first historic preservation easement program, securing legal protection for key landmarks and historic properties. She managed consultant teams producing countywide architectural surveys documenting over 200 historic structures, curatorial programs, and preservation planning reports. Ms. Marcum coordinated with the National Trust for Historic Preservation, Tennessee State Historic Preservation Office, and local regulatory agencies to align preservation initiatives with state and federal standards.				
04/23-/2/24	**Executive Director. Upper East Side Historic Districts Advocacy and Preservation Program. Friends of the Upper East Side Historic Districts.** Ms. Marcum served as Executive Director, managing preservation advocacy for Manhattan's Upper East Side historic districts, encompassing over 1,000 contributing structures. The program included review and advocacy for landmark and land use policies, coordination with the New York City Landmarks Preservation Commission, and community engagement initiatives reaching local stakeholders and property owners. Ms. Marcum directed fundraising campaigns, including grant writing, membership development, and annual benefit events, generating $200,000+ in preservation funding. She coordinated educational				

	programming, including walking tours documenting architectural significance, research symposia, and preservation award ceremonies, while managing organizational operations and staff coordination.
07/21-04/23	**Director of Research and Preservation. Greenwich Village Historic Building Documentation and Advocacy Program. Village Preservation (GVSHP).** Ms. Marcum served as Director, leading research and preservation initiatives for Greenwich Village and surrounding historic neighborhoods. Projects included management of research teams documenting historic buildings, oversight of design reviews for new developments, ensuring preservation standards compliance, and preparation of landmark designation applications for the New York City Landmarks Preservation Commission. Ms. Marcum created the organization's landmark applications database, authored evaluation requests for threatened properties, and provided expert testimony at public hearings. She developed educational materials, including digital and print resources for property owners and community members, while monitoring building code and landmark violations to protect architectural heritage. Ms. Marcum supervised staff and interns conducting field surveys and archival research while representing the organization at community meetings and preservation advocacy events.
01/17-05/17	**Graduate Assistant. Architectural History, Survey, and Inspection, Vieux Carré Historic Property Monitoring and Documentation Program.** Ms. Marcum conducted property condition assessments and violation documentation for historic structures within the French Quarter National Historic Landmark District. She prepared official violation notices using LLAMA software with supporting photographic documentation to ensure preservation standards compliance. Ms. Marcum organized and digitized extensive Commission archives, including permits, citations, property records, and historical photographs, creating accessible digital databases for ongoing preservation management. The work supported preservation of over 2,800 contributing structures within one of the nation's most significant historic districts.

Firm employed by: Gulf South Research Corporation					
Name	**Howard Nass**		Years of relevant experience with this employer	24	
Title	Senior Biologist / NEPA		Years of relevant experience with other employer(s)	11	
Degree(s) / Years / Specialization			B.S. / 1990 / Forest and Wildlife Management		
Active registration number/state/expiration date			NA		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Role on this Project: Senior Biologist / Wetlands/NEPA		

Mr. Nass has over 31 years of experience managing and implementing NEPA and NEPA-related studies for various federal, state, and private entities. He has participated in EAs, BAs, EISs, wetland determinations and delineations, wetland mitigation bank development, water resources permitting, and natural resources projects throughout the U.S. Mr. Nass has managed the completion of over a dozen BAs in various states. Mr. Nass has also taken the NHI Course No. 142005, "NEPA and Transportation Decision Making".

Certifications: USFWS Interagency Consultation for Endangered Species, 2006; Basic Wetland Delineation Course, Wetland Training Institute, 1992; Nationwide Wetland Permits, Wetland Training Institute, 1997

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/24-Ongoing	**Project Manager. EA for Louisiana Green Fuels Bio-Refinery Project, Caldwell Parish, Louisiana. Strategic Biofuels, LLC.** GSRC is currently contracted by Strategic Biofuels, LLC. (Strategic) to prepare an EA analyzing the potential effects on the natural and human environment resulting from the construction, operation, and maintenance of a renewable fuels bio-refinery in Caldwell Parish, Louisiana. Strategic is proposing to construct, operate, and maintain the Louisiana Green Fuels (LGF) refinery, a renewable fuels bio-refinery with an ultra-low carbon footprint in northeast Louisiana powered by onsite-generated "green" power that would use forestry residue as a feedstock and include Carbon Capture and Sequestration of the carbon dioxide produced from all processes. The project would also include two approximately one-mile pipelines, two CO_2 injection wells located offsite, and an approximately 1-mile natural gas pipeline. The majority of the project area is agricultural land used for crop production. Mr. Nass is responsible for the preparation of the EA; oversight of associated studies (wetlands, cultural resources, and biological resources); schedule; budget; and agency, tribal, and public coordination.
09/20-09/23	**Senior Reviewer. EA for Facility Enhancements and Land Use Modification Projects at Columbus Air Force Base (CAFB), Mississippi. USACE Mobile District.** Mr. Nass served as the Senior Reviewer for the EA to address the potential effects, beneficial and adverse, resulting from the proposed construction, demolition, and land use modifications of multiple planned actions at CAFB, Mississippi. The 14th Civil Engineer Squadron (CES)/Civil Engineering Environmental Installation (CEIE) plans the replacement and construction of the Physical Fitness Center, the replacement and construction of the Water Storage Tank, and the permanent fill-in of the Strategic Air Command (SAC) Lake. The Region of Influence of the Proposed Action is the land area within the boundaries of the CAFB. In support of the permanent filling of the SAC Lake, GSRC staff biologists conducted a biological resources survey of flora and fauna species in the vicinity of the proposed project. CAFB is also planning for the acquisition of 118.2 acres of land abutting the East/South-East property line of CAFB from a private individual to the United States Air Force.
11/20-09/21	**Project Manager. EA for the Construction, Operation, and Maintenance of the New Laredo Air Branch Facility, U.S. Border Patrol, Laredo Sector, Texas. U.S Customs and Border Protection, Laredo Sector, Texas.** GSRC was contracted by CBP to prepare

	an EA for a new Air and Marine Operations (AMO) Air Branch Facility at the Laredo International Airport in Laredo, Texas. The current facility is overcrowded and does not meet CBP facility standards. The overcrowded conditions do not provide the safest, most secure working environment for personnel. Currently, the CBP AMO is unable to expand operations or support surge capacity to meet mission requirements at the current facility. The purpose of the project is to alleviate overcrowded conditions and to allow room for current and planned future growth. As a part of the contract, GSRC was responsible for conducting a biological resources survey, cultural resources survey, Waters of the U.S. survey, and preparing a Phase I Environmental Site Assessment on the 13-acre project site. Mr. Nass supervised, directed, and participated in the preparation of the EA and FONSI and associated studies. He was also responsible for all agency, tribal, and public coordination concerning the EA. All functions of the current AMO leased facility at the Laredo Airport would be transferred to the new Air Branch Facility.
02/21-04/23	**Project Manager. St. Tammany Parish Wetland Planning Map and Policy. Resilient Development and Management, LLC.** GSRC was contracted to develop a wetland planning map for St. Tammany Parish, Louisiana. GSRC developed a color-coded wetland planning map using existing data such as the National Wetland Inventory, hydric soils, digital elevation data, drainage data, and field verification surveys. The map was color-coded based on the potential to develop in a specific area and the degree of difficulty obtaining a permit. GSRC also participated in the development of a wetland policy manual for St. Tammany Parish. The purpose of the project was to develop a policy for development resiliency. Mr. Nass supervised and oversaw the development of the color-coded wetland map and wetland policy.
06/13-08/15	**Project Manager. Interstate 12 (I-12) to Bush Mitigation Plan, LA 3241, St. Tammany Parish, Louisiana, LADOTC.** GSRC was contracted by LA DOTD to prepare a mitigation plan for unavoidable impacts on jurisdictional wetlands associated with the construction of the I-12 to Bush Highway in St. Tammany Parish, Louisiana. The mitigation of unavoidable impacts on jurisdictional wetlands is required by Section 404 of the Clean Water Act (CWA). As part of the contract, GSRC researched the best methods for identifying mitigation measures for projects similar in scale to the I-12 to Bush Highway project. This report provides the methodology used by GSRC to identify the best methods for identifying mitigation measures for projects similar in scale, research findings, and recommended best practices for wetland mitigation. Mr. Nass researched current mitigation practices used by other States' Departments of Transportation to streamline the USACE 404 permitting process and mitigation requirements associated with the approval of a Department of the Army individual permit and to reduce costs and liability. Additionally, GSRC identified numerous potential mitigation providers and assisted LADOTD during the selection and negotiation process. Mr. Nass was responsible for scheduling, budget, project coordination with LADOTD and private mitigation banks and landowners, preparation of all necessary project documents, and negotiating with the selected mitigation bank provider.
10/95-06/96	**Project Manager. Wetland Delineation, U.S. 61 From Bains, Louisiana to the Louisiana/Mississippi State Line, LADOTD.** Mr. Nass conducted wetland delineations along an approximately 12-mile by 200-foot (290.9 acres) proposed highway expansion corridor from Bains, Louisiana, to the Louisiana/Mississippi State Line. A preliminary investigation using color infrared photography was conducted, and potential wetlands were delineated and mapped. Potential wetlands were ground-truthed during a transect survey of the proposed highway expansion corridor. Mr. Nass was responsible for field data collection, delineation of the wetland/non-wetland boundary, mapping, and the preparation of the wetland finding report. A formal jurisdiction determination was received from the USACE (New Orleans District) for the surveyed area. A map indicating wetland boundaries was provided to LADOTD for future planning strategies.

Firm employed by: Gulf South Research Corporation					
Name	**Beau Rapier**		Years of relevant experience with this employer	8	
Title	Wetland Biologist		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			B.A. / 2016 / Forestry, Wildlife Management, and Habitat Conservation M.S. / 2018 / Science in Biology		
Active registration number/state/expiration date			38-Hour USACE Wetland Delineation Training Program		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Role on this Project: Wetland Biologist / Threatened and Endangered Species		

Mr. Rapier has 10 years of experience working in 28 states, predominantly focused on mammals of conservation concern, but he has also held positions surveying for birds, vegetation, herpetofauna, and parasite/disease dynamics. Mr. Rapier has led field crews to conduct point count surveys for Neotropic migratory birds of conservation priority, as well as identifying and buffering active bird nests in ROWs. In addition, he has aided in reporting cases of white-nose syndrome in Indiana bats, northern long-eared bats, and gray bats in Illinois and Tennessee. Mr. Rapier has managed and performed a range of field-related tasks, written NEPA documents, and acquired permitting for various project components.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/24-Ongoing	**Project Manager. Plaquemines Wetland Desktop Survey, Louisiana.** GSRC is under contract with Principal Engineering on behalf of the Coastal Protection Restoration Authority to perform a desktop wetland delineation for eight separate project areas. Mr. Rapier will collect data from USFWS, USDA, and FEMA, create and digitize polygons to delineate the perceived jurisdictional wetland/upland boundary, submit findings reports and budgets, and coordinate with multiple teams and stakeholders.
10/23-Ongoing	**Central Wetland Delineation, Louisiana.** GSRC is under contract with Forte and Tablada to perform a wetland delineation on an approximately 50-acre parcel of land and 17 separate ditch segments. Mr. Rapier conducted the delineations, prepared the wetland findings report, and submitted findings to the USACE. GSRC has received the Preliminary Jurisdictional Determination and is assisting the client in determining the next steps to take in the permitting process.
04/20-11/23	**Project Manager. Gopher Tortoise Population Surveys, Mayport, Florida.** GSRC was contracted by NAFVAC SE to conduct gopher tortoise burrow surveys. Field surveys were conducted in two phases. During the first phase, Mr. Rapier walked parallel transects through suitable gopher tortoise habitat and recorded the transects using a Trimble GPS unit. Each burrow observed was photographed, recorded with the GPS unit, and temporarily marked with flagging. Each burrow was then classified by size and noted as active, inactive, or abandoned. During the second phase, Mr. Rapier used a specially designed gopher tortoise burrow camera to verify the presence or absence of gopher tortoise in all burrows over 3 inches in diameter. Mr. Rapier also documented vegetation characteristics at each gopher tortoise survey site and whether other animals were utilizing the gopher tortoise burrows. Mr. Rapier handled the preparation and execution of all project deliverables, including data analysis and technical reports.
09/20-11/23	**Project Manager. Eastern Indigo Snake and Gopher Tortoise Surveys, Kings Bay, Georgia.** GSRC was contracted by NAFVAC SE to conduct surveys for the presence of gopher tortoise and eastern indigo snake at Naval Submarine Base (NSB) Kings Bay in Camden County, Georgia. In total, six drift fence arrays were established in areas that appeared suitable for eastern indigo snakes. Drift arrays were fixed with automatic cameras pointed towards the ground to passively detect animals that traversed the array. For the gopher tortoise burrow surveys, Mr. Rapier walked parallel transects through suitable gopher tortoise habitat and

	recorded the transects using a Trimble GPS unit. Each observed burrow was photographed, recorded with the GPS unit, and temporarily marked with flagging. Burrows were classified by size and noted as active, inactive, or abandoned. Mr. Rapier handled the preparation and execution of all project deliverables, including data analysis and technical reports.
06/21-10/21	**Project Manager. Wharton Wetland Delineation, Louisiana.** GSRC was contracted by a private landowner to perform a wetland delineation on an approximately 17-acre parcel of land. Mr. Rapier conducted the delineation, wrote the wetland findings report, and submitted the report to the USACE. After receiving the Preliminary Jurisdictional Determination, GSRC aided the client in determining the next steps to take in the permitting process.
04/20-6/20	**Project Manager. Morrison Hill Wetland Delineation, Louisiana. Morrison Enterprises LLC.** GSRC was contracted by Morrison Enterprises, LLC to perform a wetland delineation on an approximately 9-acre parcel of land. Mr. Rapier conducted the delineation, wrote the wetland findings report, and served as a liaison between the client and the USACE until a Preliminary Jurisdictional Determination was issued.
09/18-09/19	**Field Crew Lead. Migratory Bird and Rare and Threatened Species Surveys, Mammal Surveys, Herpetofauna Surveys, Mississippi.** GSRC was contracted by NAVFAC SE to survey the Stennis Western Maneuver Area for migratory bird species with a special focus on documenting any federally or state-threatened or endangered species that may be present. Mr. Rapier conducted point counts, meandering or opportunistic surveys, and call playback surveys for secretive marsh birds every quarter to record, to the best extent possible, all bird species on the installation. Mammal surveys consisted of Tomahawk trapping and deploying trail cameras with scent lures. Herpetofauna surveys consisted of deploying cover boards, floating turtle traps, submerged trashcan traps, hoop nets, and glow-stick-baited funnel traps.
02/19-Ongoing	**Project Manager. Wetland Delineation for the East Jackson County Wastewater Treatment Plant, Jackson County, Mississippi.** GSRC was contracted by Arcadis, on behalf of the East Jackson County Wastewater Treatment Plant, to perform a wetland delineation on a proposed pipeline ROW and adjoining parcel of land encompassing a total area of 203 acres. Habitat within the project area included pine and pine-hardwood forests, bottomland hardwood forests, and periodically maintained pipeline and powerline ROWs. Mr. Rapier served as a biologist during all field surveys, wetland delineations, and Phase 1 ESAs. Mr. Rapier was responsible for project management and preparation of all deliverables.
04/19-08/19	**Project Manager. Trimcane Wetland Delineation, Mississippi. Trimcane, LLC.** GSRC was contracted by Trimcane, LLC to perform a wetland delineation on an approximately 35-acre parcel of land. Mr. Rapier conducted the delineation, wrote the wetland findings report, and submitted this to the USACE. After receiving the Preliminary Jurisdictional Determination, GSRC aided the client in determining the next steps to take in the permitting process, including an alternatives analysis and Department of the Army Permit.
06/18-09/18	**Field Biologist. Preparation of Wetland Jurisdictional Determinations for Four Strategic Petroleum Reserves, Department of Energy, Strategic Petroleum Reserve, Texas and Louisiana. FFPO, LLC.** GSRC was contracted by Fluor Federal Petroleum Operations, LLC, to conduct wetland delineation surveys at four separate Strategic Petroleum Reserve (SPR) sites operated by the Department of Energy. These sites have been proposed for the maintenance and expansion of existing infrastructure. Mr. Rapier served as a field biologist during wetland delineations conducted at the Bayou Choctaw SPR in Iberville Parish, Louisiana, and the Bryan Mound SPR in Brazoria County, Texas. In addition to determining the presence of potential wetlands and Waters of the U.S., Mr. Rapier was responsible for preparing the final summary reports at Bayou Choctaw.

Firm employed by: Gulf South Research Corporation					
Name	**Bretton Somers, Ph.D.**		Years of relevant experience with this employer	16	
Title	Principal Investigator / Archaeologist		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			Ph.D. / 2007 / Geography M.A. / 2004 / Geography B.A. / 1994 / Communications		
Active registration number/state/expiration date			RPA / 2022		
Year registered	2005	Discipline	Registered Professional Archaeologist		
Contract role(s) / brief description of responsibilities			Role on this Project: Archaeologist		

Dr. Somers joined the team at GSRC as an archaeologist in 2007. His 2007 completion of his doctorate provided him with 6 years of experience in archaeological research, fieldwork, and GIS analysis. With GSRC, Dr. Somers has supervised and participated in over 50 cultural resources investigations, including Section 106, Section 110, and environmental compliance projects in 19 states. Dr. Somers has also worked outside the U.S. in Belize and Cuba. This involvement has provided a broad base of experience in prehistoric and historic archaeology across several regions of North America, has allowed him the opportunity to work with numerous tribal and government agencies at the local, state, and Federal levels, and has given him a broad knowledge of cultural resources laws and regulations.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/20-05/20	**Project Manager/Principal Investigator**. **Phase I Archaeological Investigation of the St. Rose to Norco Pipeline, St. Charles Parish, Louisiana.** Dr. Somers served as project manager and principal investigator for the intensive Phase I cultural resources survey of 7.4 miles (75.14 acres) of proposed new pipeline from the International Matex Tank Terminal (IMTT) in St. Rose to portions of Shell's Norco Manufacturing Complex facility in Norco in St. Charles Parish, Louisiana. GSRC investigated on behalf of Ramboll US Corporation (Ramboll) under Section 106 of the NHPA. The investigation included an intensive Phase I archaeological survey combining pedestrian surface inspection with STPs excavated along transects using a high probability predictive model. No archaeological sites were recorded during this investigation. No aboveground/built resources over 50 years of age were recorded within or adjacent to the survey area. As a result, no further archaeological investigations were recommended for the project area.
02/13-12/13	**Principal Investigator. Cambridge Energy Floating Liquefied Natural Gas (FLNG) Facility, Plaquemines Parish, Louisiana.** Cambridge Energy, LLC is proposing the construction and operation of an FLNG facility on the Mississippi River in Plaquemines Parish, Louisiana. Cambridge Energy contracted GSRC for the preparation of resource reports with sufficient information and analysis for the preparation of an EIS. The selected area of potential effect (APE) includes dredging from the navigation channel of the Mississippi River into the batture and natural levee on the east bank of the river across from Venice, Louisiana. A portion of the facility extends eastward into the coastal marsh. The cultural resources portion of the investigation involved a terrestrial survey of the high ground portions of the APE, a fan boat inspection of the marsh portion of the APE, and a marine remote sensing survey of the proposed area of dredge activity in the Mississippi River channel. Dr. Somers was responsible for coordination with the Louisiana SHPO, background research, assessing required research needs given the fluvial, terrestrial, and marsh landscape, conducting the terrestrial and marsh fieldwork, coordinating with a team of marine archaeologists to perform the marine remote sensing survey, and synthesizing all data collected into the required reports for the project. No cultural resources were discovered in the initial field surveys of the APE.

08/10-11/12	**Principal Investigator. Phase I Cultural Resources Survey for the Proposed Improvements to the New Orleans to Venice Levee Protection Project, Plaquemines Parish, Louisiana, USACE, Vicksburg District.** Dr. Somers served as the principal investigator for the Phase I cultural resources survey of approximately 4,208 acres distributed along linear corridors flanking 86.8 miles of the Federal Mississippi River Levee and back levees in lower Plaquemines Parish, Louisiana. The project included restoring, armoring, and accelerated completion of the existing Federal levees on the east bank from Phoenix to Bohemia (15.8 miles of back levee) and on the west bank from St. Jude to Venice (37 miles of back levee and 34 miles of Mississippi River levee) to provide the authorized design grade for storm risk reduction. The project APE included the Mississippi River Batture, which is the protected land between the levees and the coastal marsh on the outside of the back levees. The investigation resulted in the recovery of several thousand artifacts and the recording of 43 newly discovered Historic period sites. Of the 43 newly recorded sites, examination of field data and laboratory analysis of artifacts resulted in the recommendation of one site as eligible, 29 sites as ineligible, and 13 sites of undetermined eligibility for the NRHP.
09/13-03/17	**Project Manager/Principal Investigator. Naval Air Station (NAS) Meridian Phase II Archaeological Evaluation of Sites 22LD693 and 22LD697, Lauderdale County, Mississippi.** Dr. Somers provided overall administrative oversight for the project, including scheduling, cost management, recruiting, hiring, and supervising necessary personnel, and coordinating with the NAVFAC SE Technical Representative and Cultural Resource Manager at NAS Meridian. Additionally, Dr. Somers served as Principal Investigator, developing the work plan for the investigation, supervising, and participating in fieldwork, and preparing the technical report and Powerpoint™ presentation. This project was conducted under Section 110 of the NHPA of 1966, and with its implementing regulations (16 United States Code [U.S.C.] 470h-2[a]). The investigation included an archaeological survey with shovel testing along transects within an area of 2.7 acres for site 22LD693 and 3.66 acres for site 22LD697 to relocate and delineate the boundaries of the sites. Once the sites were relocated, additional shovel testing was conducted to further define the horizontal and vertical site boundaries and to determine concentration areas of cultural material. Test units measuring 1 meter (m) by 1 m wide and 1 m below ground surface were excavated at each site. This investigation revealed that sites 22LD693 and 22LD697 consist of sparse scatters of prehistoric artifacts. As sparse artifact scatters, sites 22LD693 and 22LD697 do not possess the data necessary to determine association with Criteria A, B, or C, but could contribute information about Criterion D. However, neither site exhibited the potential for cohesive cultural deposits that would indicate a significant cultural presence or activities from which additional information could be obtained. Further, considering the limited nature of findings from this investigation, combined with those from the previous investigation of the sites, the information potential for sites 22LD693 and 22LD697 has been exhausted. It was recommended that the NRHP determination for these two sites as not eligible was appropriate, and no further work is warranted.
09/18-03/22	**Principal Investigator. Highway 86 Checkpoint, California.** The investigation was conducted in support of a cooperative effort by USACE, Sacramento District, the Central Valley Flood Protection Board, and the Sacramento Area Flood Control Agency to address seepage and stability issues in approximately 42 miles of levee surrounding the Natomas Basin. The project included multiple tiered tasks, including a Kickoff Meeting, Records Search and Literature Review, Geoarchaeological Sensitivity Assessment and Testing Plan, Cultural Resources Survey, development of an Evaluation Plan, development of a Historic Properties Treatment Plan, and Evaluation Testing. Dr. Somers served as project manager and principal investigator for this project and provided overall administrative oversight for the project, including scheduling, cost management, supervising necessary personnel, and coordinating with the Sacramento District Archaeologist.

Firm employed by: Gulf South Research Corporation					
Name	**Jake Vicknair**			Years of relevant experience with this employer	1
Title	Archaeology Field Technician			Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization				B.A. / 2023 / Anthropology	
Active registration number/state/expiration date				NA	
Year registered	NA	Discipline		NA	
Contract role(s) / brief description of responsibilities				Role on this Project: Archaeological Field Technician	
Mr. Vicknair has gained proficiency with Phase I cultural resource management survey methods in harsh environments, before having completed Phase I and II work with tribal agencies at the University of Louisiana at Lafayette and Louisiana State University. Mr. Vicknair earned his B.A. in Anthropology from LSU, where he participated in the curation and analysis of historic and prehistoric artifact collections.					
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/24-08/25	**Archaeological Field Technician. Mississippi River Bridge South Cultural Resources Project.** Mr. Vicknair operated as a field technician with GSRC to complete a large-scale Phase I survey in and around the cities of St. Gabriel and Plaquemine in Louisiana on behalf of LADOTD and Development in its planning of another transfluvial bridge. The project included shovel testing down to fifty centimeters, artifact recovery, and the delineation of several historic sites.				

Firm employed by: T. Baker Smith, LLC					
Name	**Kenny Belou, PE**		Years of relevant experience with this employer	3	
Title	Lead Professional, Transportation Engineering		Years of relevant experience with other employer(s)	17	
Degree(s) / Years / Specialization			Bachelor of Science / 2009 / Civil Engineering		
Active registration number/state/expiration date			PE.38850 / Louisiana / 09.30.2026		
Year registered	2014	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Supervisor - Engineer		

Kenny Belou, PE, is TBS's lead professional for our transportation practice. His duties include overseeing engineering execution for transportation-related projects, including design activities, report preparation, construction documents, construction administration, and client satisfaction. He has designed projects in accordance with LADOTD's Road Design Manual, Complete Streets Manual, Hydraulics Manual, Bridge Manual, AASHTO's Geometric Design of Highways and Streets, and the LADOTD Standards and Specifications for Roads and Bridges. Kenny also has experience delivering projects through alternative delivery methods, including CMAR. Kenny maintains the ATSSA Traffic Control Supervisor (TCS) and Traffic Control Technician (TCT) certifications, and has completed the CPTP SCS Cybersecurity WBT training.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/25 - 02/26	**H.016095 LA 70 Rehab: Marguerite St to US 90; LADOTD; St. Mary Parish, LA** Supervisor Engineer/Project Manager. Kenny led DOTD coordination and oversaw project execution for this heavily urban roadway rehabilitation and drainage replacement project. Kenny ensured quality control was maintained throughout the design, performed QA reviews at project submittal milestones, and ensured that plans were delivered in the accelerated timeframe requested by the project manager in order to maintain funding. 100% Final Plans were delivered to LADOTD in February 2026.
10/22 – 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James and Lafourche Parishes, LA** Engineer of Record (Road) and Project Manager. Kenny was responsible for the asymmetrical widening of 2.7 miles of LA 20 to add 8' shoulders near Vacherie, LA. Project scope included horizontal and vertical geometry, drainage design (subsurface and open ditch), cross-section roadway elements, and permanent signing and pavement markings. Provided quality control review of the entire plan set, ensuring compliance with LADOTD standards and coordination with the in-construction state project located within the project limits. Coordinated with the LADOTD project manager, LADOTD pavement design section, LADOTD hydraulic section, and subconsultants to ensure project delivery meeting all necessary standards and coordinated with the adjacent project. Oversaw the design of required utility relocations required for the roadway project along the corridor as a separate project let through St. James Parish.
10/22 – 12/22	**S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA** Project Manager. Kenny was responsible for quality control review on plans, design criteria, and project calculations for the multi-lane roundabout at the intersection of US 190 and Northshore Boulevard, and a single-lane roundabout at the intersection of US 190 and Camp Villere Road. Responsible for the coordination with subconsultants and LADOTD on the project deliverables. Kenny developed construction sequencing for the complex drainage work and road work required to maintain traffic through the intersection of US 190 and Northshore Boulevard.
03/23 - 02/26	**S.P. No. H.001344, US 190: LA 437 to US 190 Bus (Ph. 1); LADOTD; St. Tammany Parish, LA**

	Project Manager. The project scope includes the design and construction of a new 1,400-foot bridge over the Bogue Falaya River in St. Tammany Parish, LA. The project includes roadway improvements and widening for the approaches to the bridge and intersection improvements to the adjacent LA 437 intersection. The bridge geometry includes both horizontal and vertical curvature and is super-elevated to near 4%. As project manager, Kenny was responsible for contract execution.
11/23 - Ongoing	**S.P. No. H.015576, LA 447, and LA 1025: Roundabout; LADOTD; Livingston Parish, LA** Supervisor Engineer/Project Manager. Kenny is the supervisor engineer and project manager for this roundabout project in Livingston Parish, issued as a task order through TBS's master contract for LADOTD Roadway Design Services IDIQ. He is responsible for the quality assurance, quality control, and project delivery for this urban single-lane roundabout. 100% Final Plans will be submitted in Q2 2026.
10/24 - 09/25	**H.015721 LA 30: Roundabout at St Elizabeth / S Penn; Ascension Parish, LA** Supervisor Engineer. Kenny is the supervisor engineer for this roundabout project in Ascension Parish, issued as a task order through TBS's master contract for LADOTD Roadway Design Services IDIQ. He is responsible for the quality assurance, quality control, and project delivery for this urban multi-lane roundabout. The project is currently suspended, pending DOTD coordination with local stakeholders.
06/23 - 09/25	**H.015038.5 I-49: I-10 - St. Landry Parish Line; LADOTD; Lafayette Parish, LA** Supervisor Engineer/Project Manager. Kenny oversaw development for this patch, mill, and overlay project in Lafayette Parish, Louisiana. He was responsible for scoping both the survey and roadway design phases. He coordinated with LADOTD staff to ensure delivery in the extremely accelerated schedule.
10/22 - Ongoing	**District 08: IIJA Off-System Bridge Replacement Program; LADOTD; Central LA** Supervisor Engineer. This project included the replacement of 12 Off System Bridges and their adjacent roadways throughout central Louisiana. The existing bridge lengths range from 40 to 135 feet, and the sites include cross drains, box culverts, and RC slab span bridges. Kenny is the overall project manager and supervisor engineer, responsible for the complete contract and schedule execution. He is also responsible for quality control of all design elements, including bridge, roadway, and hydraulic design. He works in constant coordination with internal task managers, the LADOTD project manager, District and Area engineers, and sub-consultants to ensure on-time and complete deliverables.
01/26 - Ongoing	**H.015587 LA 3211 at Yokley Road Roundabout; LADOTD; St. Mary Parish, LA** Supervisor Engineer/Project Manager. Kenny is responsible for project execution and quality assurance for this single-lane roundabout in Franklin, LA. He manages all aspects of project delivery, including client coordination.
10/22 - Ongoing	**Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58** Overall Project Manager. The scope for phases I and II included the replacement of 87 bridges throughout fourteen Parishes in Northern Louisiana. The bridge lengths ranged from 20 to 340 feet. Kenny is responsible for construction support for Phase I bridge projects and is responsible for contract execution for Phase II. He is also responsible for quality control of all design elements, including roadway design, hydraulic design, and bridge design. He works in constant coordination with internal task managers, the LADOTD project manager, and subconsultants for this fast-paced project.

Firm employed by: T. Baker Smith, LLC					
Name	**Kelly Radecker, PE**		Years of relevant experience with this employer	7	
Title	Lead Engineer, Roads		Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization			Bachelor of Science / 2014 / Civil Engineering		
Active registration number/state/expiration date			PE.30783 / Louisiana / 03.31.2028		
Year registered	2019	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Engineer		

Kelly Radecker, PE, is the Lead Roadway Engineer for our Transportation Engineering team. Kelly will serve as the overall road design lead for T. Baker Smith. Before joining T. Baker Smith, Kelly gained valuable transportation experience while employed by LADOTD. Kelly is notably experienced in the design of roadway widening, roundabouts, drainage, and bridge replacement and reconstruction in accordance with LADOTD's Roadway Design Procedures and Details Manual, LADOTD's Hydraulics Manual, and DOTD plan preparation guidelines. She is very familiar with AASHTO standards and guidelines. Her experience has included project/task management, development of horizontal and vertical geometrics, typical sections, roadway drainage calculations, earthwork design, construction sequencing, Engineering Reasoning and Decision Document for signing plans, development of quantities, and construction cost estimates. She is skilled in the development of roadway models and design, hydraulic analysis, and sign design utilizing MicroStation, InRoads, AutoTURN, Torus, HYDRWIN, GeoHECRAS, and SignCAD. She has completed Cybersecurity WBT training and holds the ATSSA Traffic Control Supervisor (TCS) certification.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/20 – 12/22	**S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA** Engineer of Record. Kelly was the Lead Roadway Engineer for the design and plan preparation of an urban multi-lane roundabout at the intersection of US 190 and Northshore Boulevard., and an urban single-lane roundabout at the intersection of US 190 and Camp Villere. She was responsible for the design of several roadway elements, including the horizontal and vertical (H&V) alignments, roundabout geometrics, AutoTURN movements, drainage design, typical sections, sequence of construction, pay item compilation, and quantity take-offs. Kelly created design report forms and cost estimates, as well as assisted in coordinating the environmental process, including the creation of exhibits to be utilized at Public Meetings. She also coordinated with subconsultants and provided quality control of design elements performed by the subconsultant, including temporary traffic signal design and roadway striping and signing sheets.
06/25 - 02/26	**H.016095 LA 70 Rehab: Marguerite St to US 90; LADOTD; St. Mary Parish, LA** Project Engineer. Kelly provided an independent review of the subsurface drainage design for the urban roadway and drainage replacement project. Kelly coordinated with the engineer of record to ensure that all drainage met LADOTD drainage requirements. She reviewed all project plans and drainage calculations.
11/23 – Ongoing	**S.P. No. H.015576, LA 447, and LA 1025: Roundabout; LADOTD; Livingston Parish, LA** Engineer of Record. Kelly is the Lead Roadway Engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 447 and LA 1025. She was responsible for the job planning, including preliminary schematic layouts and defining the project limits. She is responsible for the design of several roadway elements, including the H&V alignments, roundabout geometrics, AutoTURN movements, typical sections, sequence of construction, pay item compilation, and quantity

	take-offs. Kelly is responsible for creating design report forms as well as assisting in coordinating the environmental process, including the creation of exhibits to be utilized at Public Meetings.
08/20 – Ongoing Ph I 05/21 – Ongoing Ph II	**Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58** Engineer of Record. Kelly is the Lead Engineer for the design and planning production of 19 bridge replacements (5 state projects) throughout Central and North Louisiana. Before design, she conducted project site visits, compiled survey field packs and survey request forms, and reviewed topographic survey deliverables. Kelly is responsible for the development of all road and bridge design elements, including H&V alignments, bridge hydraulic design, roadway cross-sectional elements, guardrail calculations, geometrical layouts, summary sheets, and cost estimates. Kelly reviewed and assisted in the submission of all environmental deliverables, including wetland delineations. Kelly oversaw the development of all additional project documentation, including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions, and Design Waivers.
12/19 – 06/25	**S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA** Engineer of Record. Kelly is the Lead Roadway Engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 621 and Roddy Road. She is responsible for the design of several roadway elements, including the H&V alignments, roundabout geometrics, AutoTURN movements, drainage design, typical sections, sequence of construction, pay item compilation, and quantity takeoffs. Kelly created design report forms and cost estimates, as well as assisted in coordinating the environmental process, including the creation of exhibits to be utilized at Public Meetings. She also coordinated with subconsultants and provided quality control of design elements performed by the subconsultant, including lighting plans.
07/19 - 01/25	**S.P. No. H.001344, US 190: LA 437 - US 190 BUS (PH1); LADOTD; St. Tammany Parish, LA** Engineering Support. Performed roadway design tasks, including roadway geometrics, assisted with roadway design QA/QC, and plan production as part of an Urban Arterial widening project.
05/19 – 06/21	**S.P. No. H.004113, I-12 to Bush: LA 3241: LA 435 to LA 40/41; LADOTD; St. Tammany Parish, LA** Project Engineer. The project scope included the design and construction of approximately 5.5 miles of roadway on virgin terrain consisting of four lanes with inside and outside shoulders and a depressed median. The project also included the coordination of design and construction of a 500-foot bridge over Talisheek Creek. Kelly provided design support for roadway design and plan production, as well as performed quality control of inroads modeling, assisted in quantity take-off calculations, reviewed roadway design plan sheets, including Typical Section, Plan, and Profile Sheets, and Geometric Layout Sheets, and reviewed permanent signing layout plans (including development of non-standard signs using SignCAD). She also drafted design exceptions and waivers and responded to comments from LADOTD on plan production, as well as performed quality control of R/W Maps to ensure concurrence with Construction Plans.
04/24 - 01/26	**S.P. No. H.015554, Loyola Drive: 31st St – W Loyola Resurface; City of Kenner, LA** Engineer of Record. Kelly is the Lead Roadway Engineer for the design and plan preparation of the resurfacing of Loyola Drive, a Pavement Preservation Project through LADOTD's Urban Systems Program. She was responsible for the job planning, coordinating with LADOTD and the City of Kenner. She is responsible for the plan production, quantity take-offs, and cost estimation. The project includes mill and overlay of the 0.6-mile portion of Loyola Drive and includes curb ramp replacement and installation of pedestrian crosswalks. She coordinated with the traffic engineering subconsultant for the implementation of the results of the traffic study.

Firm employed by: T. Baker Smith, LLC					
Name	**Brady Smith, PE, PMP**		Years of relevant experience with this employer	4	
Title	Senior Project Manager		Years of relevant experience with other employer(s)	6	
Degree(s) / Years / Specialization			Bachelor of Science / 2016 / Civil Engineering		
Active registration number/state/expiration date			PE.45362 / Louisiana / 09.30.2027		
Year registered	2021	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Engineer		

Brady Smith, PE, PMP, serves as a project manager for projects that include roadway design, spot bridge replacements, and hydrologic and hydraulic analysis. He has experience in a wide variety of DOTD projects, including roundabouts, interstate ramps, bridge replacements, and roadway widening projects. Brady is experienced in AASHTO and LADOTD's Geometric Design Guidelines as well as Bentley Inroads, Microstation, and LADOTD's HYDRWIN programs. He also has experience serving as a Project Engineer for several CE&I projects awarded by LADOTD. Brady has completed CPTP SCS Cybersecurity WBT training as required by LADOTD and is a certified ATSSA Traffic Control Supervisor (TCS).

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/24 - Ongoing	**H.015721, LA 30: Roundabout at St Elizabeth/ S Penn; LADOTD; Ascension Parish, LA** Engineer of Record. Brady is the Engineer of Record for the design and plan preparation of an urban multi-lane roundabout at the intersection of LA 30. He was responsible for the job planning, including preliminary schematic layout and defining the project limits. He is responsible for the design of several roadway elements, including the H&V alignments, roundabout geometrics, AutoTURN movements, typical sections, sequence of construction, pay item compilation, and quantity take-offs. Brady is responsible for creating design report forms as well as assisting in coordinating the environmental process, including the creation of exhibits to be utilized at Public Meetings. The project is currently suspended while DOTD coordinates with local stakeholders.
10/22 – Ongoing	**IIJA Off-System Bridge Replacement Program; Contract No. 44-25027; LADOTD; Statewide** Project Manager. Brady is responsible for developing the project schedule, drafting subconsultant contracts, manhour estimation, site visits and reconnaissance, coordination with LADOTD and Parish personnel, coordination with the topographic surveyor, hydraulic subconsultant, and geotechnical consultants. Brady is also the lead engineer for the design and planning production of five bridge replacements (3 state projects). He is responsible for the development of all road and bridge design elements, including H&V alignments, bridge hydraulic design, roadway cross-sectional elements, guardrail calculations, geometric layouts, and cost estimates. Brady also oversees the development of all additional project documentation, including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions, and Design Waivers.
10/23 - Ongoing	**S.P. No. H.012864, Carmel Drive Sidewalks; Lafayette Consolidated Government; Lafayette Parish, LA** Project Manager/Engineer of Record. Brady is responsible for the design and production of 0.7 miles of ADA-compliant sidewalks on each side of LA 94 (Carmel Drive) in Lafayette, Louisiana. He is responsible for the development of all design elements, including H&V alignments, drainage, sidewalk cross-sectional elements, and cost estimates. (Location: LADOTD District 03).
03/23 – 07/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James and Lafourche Parishes, LA** Project Engineer. Brady was responsible for managing the final QA/QC review and implementation of review comments of the construction plans for the asymmetrical widening of 2.7 miles of LA 20 to add eight-foot shoulders near Vacherie, LA. Project

	scope included horizontal and vertical geometry, drainage design (subsurface and open ditch), cross-section roadway elements, and permanent signing and pavement markings.
02/22 – Ongoing	**Contract 44-19336, Rural Bridge Replacement Initiative, Ph II (40 bridge structures); LADOTD; Districts 04 and 05** Engineer of Record. Lead engineer for the design and plan production of 13 bridge replacements (six state projects) throughout North Louisiana. Responsible for the development of all road and bridge design elements, including H&V alignments, bridge hydraulic design, roadway cross-sectional elements, guardrail calculations, geometric layouts, and cost estimates. Brady is also responsible for the load rating analysis and report for six of the proposed structures and quality control for the other seven proposed structures. Brady is responsible for reviewing and assisting in the submission of all Environmental deliverables, including Wetland Delineations. Brady also oversees the development of all additional project documentation, including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions, and Design Waivers.
07/24 - Ongoing	**23-EN-HC-0029, Highland Road at Pecue Lane; City of Baton Rouge, East Baton Rouge Parish, LA** Project Manager/Engineer of Record. Brady is responsible for developing the project schedule, drafting subconsultant contracts, manhour estimation, and coordination with various project stakeholders, which include the City Parish's Project Management Team, subconsultants, survey team, and environmental team. Brady has managed the development of the Design Study, which includes a Traffic Design Report, Preliminary Environmental Study, Existing Drainage Map, and Existing Right-of-Way Maps. Once an NTP is issued for Final Design, Brady will be the Engineer of Record and responsible for the design and plan production for the proposed roundabout at the intersection of Highland Road and Pecue Lane in Baton Rouge, LA.
11/19 – 11/21	**Lake Pontchartrain Causeway Safety Bay Improvements; Greater New Orleans Expressway Commission (GNOEC); Metairie/ Mandeville, LA** CE&I Project Engineer. Brady was responsible for providing construction engineering and inspection services required during the safety bay improvement project, which included fabrication and installation of pre-stressed piles and girders, caps, and bridge decks. He performed the on-site project representation to ensure that all construction activities were being installed according to the design documents and project specifications, which included field monitoring, documentation, preparation of daily reports, participation in construction progress meetings, and construction close-out. The scope included bridge widening for 12 segments of the Lake Pontchartrain Causeway.
04/17 – 02/19	**S.P. No. H.010124, LA-16: Roundabout at LA-447; LADOTD; Livingston Parish, LA** Project Engineer. Brady was responsible for roadway full-sized plan preparation, subsurface drainage design, curb and gutter drainage design, roundabout geometric design, construction phasing, TTC, required right of way determination, and cost estimation.

Firm employed by: T. Baker Smith, LLC					
Name	**Daniel Binet, PE**		Years of relevant experience with this employer	13	
Title	Lead Engineer, Bridges		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			Bachelor of Science / 2014 / Civil Engineering		
Active registration number/state/expiration date			PE.42997 / Louisiana / 03.31.2027		
Year registered	2018	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Engineer		

Daniel Binet, PE, is the Lead Engineer, Bridges at TBS, with over 13 years of experience in civil and structural engineering. His experience includes project/ task management, roadway design, urban and rural bridge replacement and rehabilitation design, bridge widening, bridge inspection, structural analysis, split-phase construction sequencing, hydrologic/hydraulic analysis, construction support, and development of construction quantities and estimates. Daniel is very familiar with the AASHTO LRFD Bridge Design Specifications, AASHTO geometric and roadside design guides, LADOTD BDEM, LADOTD plan preparation guidelines, and LRFR bridge rating procedures. He is also experienced in using AASHTO BrR, STAAD Pro V8i, LEAP CONSPAN structural analysis software, AutoCAD, MicroStation, InRoads, and CADConform. Daniel is also a certified NBIS Bridge Inspection Team Leader, holds ATSSA Traffic Control Supervisor (TCS) certification, and has completed the CPTP SCS Cybersecurity WBT training.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 – 02/26	**S.P. No. H.001344, US 190: LA 437 to US 190 Bus (Ph 1); LADOTD; St. Tammany Parish, LA** Engineer of Record/Project Engineer. This project serves to design and construct a new westbound bridge over the Bogue Falaya River in St. Tammany Parish, LA. The bridge features horizontal and vertical curvature with super-elevation near 4%. Adjacent roadway sections are also being improved and widened. Daniel performed bridge design tasks, including a Bridge Alternative Study; developed Type, Size, and Location (TS&L) plans for prestressed concrete (LG) girder spans, and curved steel plate spans; and developed preliminary and final bridge plans for a column-supported, 1,400-foot long bridge using LG 36 and LG 54 prestressed concrete girders. He produced foundation layouts, typical sections, general plan and elevation sheets, and structural details for the new bridge over the Bogue Falaya River as part of this Urban Arterial widening project.
09/24 - 02/26	**H.016095 LA 70 Rehab: Marguerite St to US 90; LADOTD; St. Mary Parish, LA** Engineer of Record. Daniel served as the Engineer of Record for this roadway rehabilitation project in St. Mary Parish. He led the design on all aspects of the project, including development of typical sections, drainage plan, and profile sheets, and joint layouts w/ graphical grades. Daniel ensured the project delivery met LADOTD's aggressive schedule.
03/16 – 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James and Lafourche Parishes, LA** Engineer of Record for Bridge Design/Project Engineer. Daniel served as an EOR for the asymmetrical widening of 2.7 miles of LA 20 near Vacherie, LA, as part of a rural arterial widening project. He performed all bridge replacement design tasks, which included bridge replacement using split-phase construction methods, superstructure and substructure design using various programs, including STADD ProV8i, prepared construction phasing details, foundation plans, and led overall bridge plan production efforts. Additionally, Daniel assisted with roadway widening tasks, including sequencing and plan production.
09/15 – 03/23	**S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA** Engineer of Record / Project Engineer. Daniel performed bridge design and plan preparation for the widening of Ponchitolawa Creek (EB and WB) and Tammany Trace (EB and WB) bridges, utilizing AASHTO Type III prestressed girders and reinforced

	concrete slab spans with varying skew and span lengths. The design was completed using LEAP CONSPAN, STAAD, and AASHTO BrR for load rating. He managed production and produced plans and details for the widening, which included partial bridge demolition, foundation plans, split-phase construction sequencing, widened substructure and superstructure details, and quantity breakdowns. Additionally, he assisted with roadway design, including geometrics and drainage. Once the plans were submitted, Daniel provided construction support for RFIs, shop drawing submittals, and general coordination.
08/20 - 12/24	**Contract 44-17598, Rural Bridge Replacement Initiative, Ph I (47 bridge structures); LADOTD; Districts 04, 05, 08, 58** Engineer of Record/Project Manager. The overall project scope for this project includes the replacement of 47 bridges throughout 10 Parishes in Louisiana under an expedited schedule. The bridge lengths ranged from 20 to 340 feet. As project manager, Daniel performed QC review of topographic surveys and served as the EOR for bridge and road elements, including hydraulic analysis, scour, horizontal/vertical alignments, bridge TS&L, structural design, and load rating for all structures, including LG-25 girders, RC slab spans, and box culverts. Daniel is also providing bridge and structural construction support for contractor submittals and requests for information.
05/21 - Ongoing	**Contract 44-19336, Rural Bridge Replacement Initiative, Ph II (40 bridge structures); LADOTD; Districts 04, 05** Engineer of Record/Project Manager: The project scope includes replacing 40 bridges across 6 parishes in Louisiana on an expedited schedule, with bridge lengths ranging from 20 to 240 feet. As project manager, Daniel conducted QC reviews of topographic surveys and served as the EOR for bridge and road elements, including hydraulic analysis, scour, horizontal and vertical alignments, bridge TS&L, structural design, and load rating for all structures, including reinforced concrete slab spans and box culverts. Daniel also provides general construction support as necessary.
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** Engineer of Record/Project Manager. The overall project scope includes the replacement of 12 off-system bridges in Central Louisiana. Daniel is performing QC review of topographic surveys and serves as the EOR for bridge and road elements, including hydraulic analysis, scour, horizontal/vertical alignments, bridge TS&L, structural design, and load rating for all structures, including reinforced concrete slab spans and box culverts.

Firm employed by: T. Baker Smith, LLC					
Name	**Michael Brodnax, PE**		Years of relevant experience with this employer	>1	
Title	Project Engineer		Years of relevant experience with other employer(s)	7	
Degree(s) / Years / Specialization			Bachelor of Science / 2019 / Civil Engineering		
Active registration number/state/expiration date			PE.48622 / Louisiana / 09.30.2026		
Year registered	2024	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities			Engineer		

Michael Brodnax Jr., P.E., is a transportation project engineer and structural specialist with extensive experience in bridge inspection, load rating, and transportation infrastructure design. Since 2019, he has led multidisciplinary inspection teams across multiple states, managing logistics for hundreds of NBIS and SNBI bridge inspections each year while ensuring strict compliance with AASHTO standards and agency requirements. Michael oversees quality control for inspection reporting and load ratings, provides technical guidance to inspection staff, and serves as a primary liaison for state transportation agencies. His design expertise includes prestressed girder systems, substructure components, steel repairs, and emergency structural response following damage events. He has contributed to major design-build programs, developed construction repair plans, reviewed contractor submittals, and supported field verification of structural work. Proficient in AASHTOware BrR, LEAP Bridge Concrete, STAAD, and MicroStation, Michael brings a balanced skill set of technical depth, project leadership, and a strong commitment to safe, reliable transportation infrastructure.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2024 - 02/2026	**I-10 Over Trinity Canal Bridge Repairs; LADOTD; Iberville Parish, LA** Structural Engineer. Conducted an initial site assessment to evaluate existing structural conditions and verify component dimensions. Reviewed past inspection reports to determine additional structural repairs. Developed design repair plans for damaged concrete wingwall, bridge rail, and abutment cap. Reviewed contractor submittals during construction. (previous employer)
2024 – 2025	**SR28 Over Pearl River Bridge Repairs; MDOT; Simpson County, MS** Inspection Team Leader, Structural Engineer. Coordinated and led emergency damage inspection following a vehicular impact to the steel truss bridge on short notice. Developed design repair plans, including the replacement of top chords, verticals, sway frames, and portals. Reviewed contractor submittals, including temporary shoring plan, phasing, and steel members. Provided on-site construction observations on behalf of the Mississippi Department of Transportation. (previous employer)
2024 – 2025	**Canal St. Bridge Repairs; City of Natchez, Natchez, MS** Structural Engineer/Inspection Team Leader. Led routine inspection of the Canal St Bridge. Routine inspection/load rating resulted in reduced posting. Provided preliminary cost estimates and recommended repair options to the City of Natchez to restore serviceability. Designed steel-plated repairs for rolled weathering steel girders and new sealed expansion joints. Developed repair plans. Provided bidding assistance to the City of Natchez. Made regular site visits to inspect construction quality. (previous employer)
2019 -2024	**Loyola/I-10 Interchange Design Build; LADOTD; Kenner, LA** Structural Engineer in Training. Designed prestressed concrete LG girders, concrete pile caps, concrete hammerhead piers, and precast concrete sound barriers. Calculated elevations and summary of quantities for various bridge components. Assisted in the plan development of structural details using MicroStation software. Reviewed construction shop drawings of rebar, prestressed concrete girders, deck grades, and temporary shoring towers. (previous employer)

Firm employed by: T. Baker Smith, LLC					
Name	**TJ Stokes, PE**			Years of relevant experience with this employer	5
Title	Lead Professional, SUE			Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization				Bachelor of Science / 2009 / Industrial Engineering	
Active registration number/state/expiration date				PE.40079 / Louisiana / 03.31.2028	
Year registered	2015	Discipline		Industrial Engineering	
Contract role(s) / brief description of responsibilities				Supervisor - Eng	

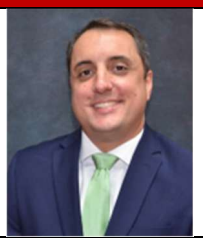
TJ has over 17 years of experience in successfully managing numerous SUE projects, specializing in transportation and roadway projects. As the Lead Professional for SUE, he is currently overseeing the completion of DOTD and MDOT retainer contracts along with numerous other public and private client projects. He has thorough knowledge of the SUE standards listed in CI/ASCE Standard 38-02 and is familiar with all SUE technologies and equipment, including but not limited to ground penetrating radar (GPR), vacuum excavation, and numerous other types of geophysical locating equipment. He also has extensive experience managing and overseeing utility coordination and design projects.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/21 - 03 - 24	**S.P. No. H.003931.5, Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA** Project Manager/Engineer of Record. Responsible for all SUE and Utility Coordination. Oversaw all Quality Level B and Quality Level A SUE services and performed QA/QC on the topographic survey submitted to LADOTD to ensure compliance with ASCE 38-02. Reviewed all utility coordination procedures, including conflict matrix and conflict plan creation.
11/21 – 02/22	**S.P. No. H.014670.5, LA 1270: LA 77 to End of Control Section; LADOTD; Iberville Parish, LA** Contract administrator/Engineer of Record. Responsible for all SUE Quality Level B services and performed QA/QC on the topographic survey performed by LADOTD to ensure compliance with ASCE 38-02. LADOTD Location and Survey field staff performed the topographic survey, and we ensured a smooth working environment for data collection.
03/21 – 01/22	**Move Ascension, LA 44 and Parker Roundabout, SUE; Ascension Parish Government; Ascension Parish, LA** Lead Professional. Provided SUE for the LA 44 and Parker Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
02/22 – 05/22	**Move Ascension Parker Road and LA 929 Widening; Ascension Parish Government; Ascension Parish, LA** Lead Professional. Provided SUE for the Parker Road and LA 929 Widening project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.

Firm employed by: T. Baker Smith, LLC					
Name	**Perry Smith Jr.**		Years of relevant experience with this employer	6	
Title	SUE Project Manager		Years of relevant experience with other employer(s)	18	
Degree(s) / Years / Specialization			Associate of Science / 2007 / Electronics		
Active registration number/state/expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Senior Technician		

Perry Smith, Jr. is a SUE Project Manager with over 22 years of experience in the utility field and has served in various roles. His field experience for LADOTD projects began in 2017, where he has been involved in dozens of SUE projects of various sizes across the state of Louisiana. He has participated in all stages of a utility project from field data collection to final deliverable preparation. Perry has a thorough knowledge of ASCE 38-22 and the technology required to achieve the necessary quality levels. He is a certified ATSSA Traffic Control Supervisor (TCS).

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/21 – 10/23	**S.P. No. H.003931.5, Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA** Task Manager. Managed all Quality Level A SUE services and provided QA/QC for Quality Level B SUE services to ensure compliance with ASCE 38-02. Performed records research for all utility companies and verified that all available records were obtained.
12/23 - Ongoing	**North Columbia Street Bridge Replacement; City of Covington; Covington, LA** SUE Project Manager. Responsible for all SUE Quality Level A and Quality Level B services and performed QA/QC on the topographic survey submitted to the City of Covington to ensure compliance with ASCE 38-02.
01/22 – 07/22	**S.P. H.012541.5, LA 594, Overpass I-20; LADOTD; Ouachita Parish, LA** Field Manager. Managed the field staff, providing SUE Quality Level B and Quality Level C services, and performed QA/QC on the field data.
10/21 – 03/22	**S.P. H.014747.5, Southern University Ravine Protection; LADOTD; East Baton Rouge Parish, LA** Field Manager. Managed the field staff, providing SUE Quality Level B and Quality Level C services, and performed QA/QC on the field data. Ensured all work was completed within the truncated time frame.
11/21 – 02/22	**S.P. H.014670.5, LA 1270: LA 77 to End of Control Section; LADOTD; Iberville Parish, LA** Field Manager. Managed the field staff, providing SUE Quality Level B and Quality Level C services, and performed QA/QC on the field data. Ensured all work was completed within the truncated time frame. LADOTD Location and Survey field staff performed the topographic survey, and we ensured a smooth working environment for data collection.
03/22 – 09/22	**MovEBR Plank – Nicholson, SUE; City/Parish of Baton Rouge; Baton Rouge, LA** SUE Field Manager. Providing SUE services with the 15 designated project sites in general accordance with the recommended practices and procedures described in ASCE Publication CI/ASCE 38-22, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data.

Firm employed by: T. Baker Smith, LLC					
Name	**Jean Reulet, III, PLS**		Years of relevant experience with this employer	3	
Title	Lead Professional, Transportation Survey		Years of relevant experience with other employer(s)	13	
Degree(s) / Years / Specialization			Bachelor of Science / 2011 / Geomatics		
Active registration number/state/expiration date			PLS.5145 / Louisiana / 03.31.2028		
Year registered	2015	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Surveyor		

Jean Reulet, III, PLS, serves as TBS's Surveying Lead Professional of Transportation. His field experience for LADOTD projects began in 2011, where he has been involved in dozens of survey projects of various sizes across the State of Louisiana. He has participated in all stages of Topographic Survey and Right of Way Map preparation from field data collection to final deliverables according to the LADOTD's Location and Survey Manual. This experience has enabled Jean to develop a very thorough QA/QC process, which has been used to train a highly skilled project team. Jean is experienced in the use of cutting-edge technology such as terrestrial and mobile LIDAR methods for collecting topographic and structural data in an efficient and safe manner.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/21 – Ongoing	**Contract 44-21973 IDIQ for Professional Surveying Services; LADOTD; Statewide, LA** Project Manager/Surveyor of Record. Jean serves as the project manager and surveyor of record for this Surveying Services IDIQ. He is responsible for manhour estimate preparation and contract negotiations. Jean coordinates with private landowners, railroads, and other entities to obtain right-of-entry before survey commencement. He oversees the topographic data collection and processing, utility research, and drainage map development. He also provides QAQC and ensures delivery according to the project schedule. To date, Jean has completed five task orders (H.009892, H.014414, H.015587, H.016324, H.016326) with four more currently active (H.009892, H.016322, H.016323, H.016333).
09/25 - Ongoing	**S.P. No. H.008069 Peters Road Bridge and Extension (Phase 3); LADOTD: Jefferson and Plaquemines Parishes, LA** Surveyor of Record. Responsible for field crew oversight, data processing and review, and deliverables preparation. Performing Topographic, Bathymetric, and Property surveys across approximately 2.8 miles of Virgin terrain for the construction of a road between Walker Road and Engineers Road, including a bridge over the Intracoastal Waterway and Bayou Barataria. Right-of-Way maps are included in this effort to aid in the acquisition of the required right-of-way.
09/22 - 08/23	**LA 22: Bedico Creek–Pine Creek; LADOTD; St. Tammany Parish, LA** Sr. Project Manager. Performed field crew coordination, data processing, project QA/QC, and management for Topographic Survey and Existing Drainage Map. The project involves the widening of LA 22 and improvements to the intersection of LA 22 and Perrilloux Road.
09/21 – 01/23	**Contract 44-17598, Rural Bridge Replacement Initiative, Ph I (47 bridge structures); LADOTD; Districts 04, 05, 08, 58** Survey Project Manager. Coordinated field crews, processed data daily, and provided QA/QC of deliverables. TBS performed control, topographic, and right-of-way surveys for the replacement of 47 bridge structures in northern Louisiana. Data was captured to detail the existing bridges themselves, roadways on either side, and surrounding terrain to ensure proper tie into existing surfaces. Cross sections of the channels they cross were also surveyed to provide information for hydraulic modeling. Data is then processed, and QA/QC is performed and coordinated with in-house engineers designing the replacement bridges. Property

	surveys of affected tracts of land were also surveyed for any takings or servitudes, and these lines were portrayed on right-of-way maps.
07/21 – 02/24	**Contract 44-19336, Rural Bridge Replacement Initiative, Ph II (40 bridge structures); LADOTD; Districts 04, 05** Survey Project Manager. Coordinated field crews, processed data daily, and provided QA/QC of deliverables. TBS performed control, topographic, and right-of-way surveys for the replacement of 40 bridge structures in northern Louisiana. Data was captured to detail the existing bridges themselves, roadways on either side, and surrounding terrain to ensure proper tie into existing surfaces. Cross sections of the channels they cross were also surveyed to provide information for hydraulic modeling. Data is then processed, and QA/QC is performed and coordinated with in-house engineers designing the replacement bridges. Property surveys of affected tracts of land were also surveyed for any takings or servitudes, and these lines were portrayed on right-of-way maps.
06/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** Sr. Project Manager/Surveyor of Record. Oversaw the completion of topographic surveys, property surveys, and right-of-way maps for the replacement of 12 bridges. Responsible for field crew coordination, project QA/QC, title research, and deliverables preparation. Surveys were performed to LADOTD Location and Survey standards.
11/23 – 02/24	**H.015576 LA 447 and LA 1025: Roundabout; LADOTD; Walker, LA** - Surveyor of Record. Oversaw the completion of a topographic survey for the design and construction of a roundabout. Coordinated with survey crews and project technicians throughout the collection and review of topographic data and utility information. Performed QAQC and Deliverables preparation.
07/24 – Ongoing	**IDIQ for Professional Surveying Services; MDOT; Statewide, MS** - Project Manager. Jean is responsible for scope development, manhour estimate preparation, and contract negotiations. Jean coordinates with private landowners and other entities to obtain right-of-entry before survey commencement. He oversees topographic and hydraulic data collection, data processing, and utility research. He also provides QAQC.
02/17 – 4/18	**S.P. No. H.004987 US 190 Collins Boulevard. Widening; LADOTD; St. Tammany Parish, LA** Sr. Project Manager. Performed a Topographic Survey for the widening of approximately 3 miles of US 190 in St. Tammany Parish, LA, including the replacement of a bridge over the Bogue Falaya River. Coordinated with field crews, technicians, and the Subsurface Utility Engineer. Provided QAQC and assisted in Deliverables preparation.
02/15 – 04/16	**H.011137 and H.011152 I-12 (LA 21 to US 190) and I-12 (US 190 to LA 59); LADOTD; St. Tammany Parish, LA** - Sr. Project Manager. Performed a Topographic Survey for the widening of approximately 9 miles of I-12 in St. Tammany Parish, LA, including 4 interstate overpasses and the bridge over the Tchefuncte River. Coordinated with field crews, technicians, and the SUE consultant. Provided QAQC and assisted in Deliverables preparation.
08/19 – 11/19	**H.005121.5 LA 1 / LA 415 Connector; LADOTD; West Baton Rouge Parish, LA** Senior Project Manager. Responsible for field crew oversight, data processing and review, and deliverables preparation. Performed Topographic and Bathymetric surveys across approximately 2.5 miles of Virgin terrain for the construction of a connector Road between LA 415 and LA 1, including a bridge over the Intracoastal Waterway.
06/16 – 2/17	**H.000263.5 Chef Menteur Pass Bridge; LADOTD; Orleans Parish, LA** Sr. Project Manager. Responsible for Topographic/ hydrographic survey, field crew coordination, and surface generation for the Chef Pass Bridge Replacement. This project included a hydrographic Survey of a portion of the Chef Menteur Pass.

Firm employed by: T. Baker Smith, LLC					
Name	**Jeremy Cormier, PLS**		Years of relevant experience with this employer	<1	
Title	Project Manager, Survey		Years of relevant experience with other employer(s)	9	
Degree(s) / Years / Specialization			Bachelor of Science / 2008 / Business Management		
Active registration number/state/expiration date			PLS.5342 / Louisiana / 09.30.2026		
Year registered	2024	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Surveyor		

Jeremy Cormier, PLS, has experience in managing field crews and performing office work on on-system LADOTD Topographic Surveys. He has performed CAD work and assisted in project management over 10 task orders under 3 separate Topographic IDIQ Contracts with LADOTD. Jeremy will serve as Topographic Task Lead during this contract, and in that role, he will assist the Project Manager in supervising all field and office work performed on task orders. He will also assist the Project Manager in estimating task orders and producing project deliverables ahead of any project deadlines. Jeremy will be responsible for performing the initial layer of QA/QC through all phases of each task order, including the final project deliverables. His responsibilities also include training both office and field staff to ensure LADOTD standards are met on a task order.

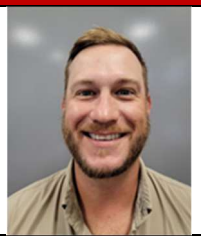
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/25 - Ongoing	**Contract 44-21973 IDIQ for Professional Surveying Services; LADOTD; Statewide, LA** Project Surveyor. Jeremy serves as the project surveyor for this Surveying Services IDIQ. He assists in the development of man-hour estimates. Jeremy coordinates with survey crews throughout the duration of the survey. He assists in the review of the topographic data collection and processing, utility research, and drainage map development. He also provides QAQC and ensures delivery according to the project schedule.
11/25 - Ongoing	**S.P. No. H.008069.5 Peters Road Bridge and Extension (Ph 3); LADOTD; Jefferson and Plaquemines Parishes, LA** Project Surveyor. Provided project surveying support, including control processing, level loop analysis, reviewing level runs and sketches, digital file review, spreadsheet updates, and coordination discussions as needed.
9/25 - Ongoing	**OLHC Bridge Bundle 8; Office of Louisiana Highway Construction; Statewide, Louisiana** Project Manager. Jeremy served as the project surveyor for the resurfacing of Westbound Vintage Drive in Kenner, LA. He was responsible for the oversight of field crews, topographic data processing, analysis, and QAQC of lidar data, and deliverables preparation. Survey is complete.
03/20 - 12/22	**H.003931 Calcasieu River Bridge Replacement; LADOTD; Lake Charles, LA** Project Manager. Responsible for providing topographic and property surveying services for the I-10 Calcasieu Bridge Replacement. The project is in a combination of dense urban area and interstate system and is approximately 7 miles. Completed terrestrial and mobile LiDAR and conventional topographic data to replace the current bridge.

Firm employed by: T. Baker Smith, LLC					
Name	**Anthony Burns**		Years of relevant experience with this employer	4	
Title	Project Manager, Survey		Years of relevant experience with other employer(s)	19	
Degree(s) / Years / Specialization			N/A		
Active registration number/state/expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Senior Technician		

Anthony Burns has over 23 years of experience as a rodman, party chief, and project manager with numerous LA DOTD and City-Parish projects involving topographic, right-of-way, and boundary surveys. His experience includes conventional and terrestrial LiDAR and mobile LiDAR scanning. He is thoroughly familiar with LA DOTD Location and Survey Procedures, manuals, and software programs with respect to all requirements. He manages our survey field crews and equipment. He holds ATSSA Traffic Control Technician (TCT), Traffic Control Supervisor (TCS), and Flagger certifications, and is TWIC and OSHA certified.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/21 - Ongoing	**Contract 44-21973 for Professional Surveying Services; LADOTD, Statewide, LA** Senior Technician. Anthony assists in the development of manhour estimates and the completion of topographic surveys under this contract. He coordinates right-of-entry with landowners, manages field crews, and processes data daily. He performs project QAQC and aids in Deliverables preparation.
09/25 – Ongoing	**S.P. No. H.008069 Peters Road Bridge and Extension (Phase 3); LADOTD: Jefferson and Plaquemines Parishes, LA** Senior Technician. Responsible for field crew coordination and data processing. Performing Topographic, Bathymetric, and Property surveys across approximately 2.8 miles of Virgin terrain for the construction of a road between Walker Road and Engineers Road, including a bridge over the Intracoastal Waterway and Bayou Barataria. Right-of-Way maps are included in this effort to aid in the acquisition of the required right-of-way.
08/19 – 11/19	**S.P. No. H.005121.5 LA 1 / LA 415 Connector; LADOTD; West Baton Rouge Parish, LA** Technician. Responsible for field crew coordination and data processing. Performed Topographic and Bathymetric surveys across approximately 2.5 miles of Virgin terrain for the construction of a connector Road between LA 415 and LA 1, including a bridge over the Intracoastal Waterway.
02/16 – 02/17	**S.P. No. H.005403: Hooper Road Extension; LADOTD, East Baton Rouge and Livingston Parishes, LA** Technician. Responsible for field crew coordination and data processing. Performed Topographic and Bathymetric surveys across approximately 3 miles of virgin terrain for the design and construction of the Hooper Road Extension between Greenwell Springs Road and LA 16, including a bridge over the Amite River.
06/23 - Ongoing	**IIJA Off-System Bridge Replacement Program; Contract No. 44-25027; LADOTD; Statewide, Louisiana** Project Manager. Assisted in the completion of topographic surveys, property surveys, and right-of-way maps for the replacement of 12 bridges. Assisted with field crew coordination, data processing, project QA/QC, and deliverables preparation. Surveys were performed to LADOTD Location and Survey standards.
10/22 - 10/23	**Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58 -** Survey Technician. Responsible for the review of topographic surveys.

05/13 – 03/14	**S.P. No. H.002375: Amite River Bridge near French Settlement; LADOTD; Livingston Parish, LA** Survey Crew Party Chief. Responsible for the control establishment and data collection. Performed Topographic and Bathymetric surveys for the construction of a replacement bridge along LA 16 over the Amite River.
06/19 – 08/19	**S.P. No. .004791: LA 23: Belle Chasse Bridge and Tunnel (HBI); LADOTD; Orleans and Plaquemines Parish, LA** Technician. Responsible for field crew coordination and data processing. Performed a topographic survey for the construction of a bridge over the Intracoastal Waterway in Belle Chasse, LA.
06/16 – 02/17	**S.P. No. H.000263.5 Chef Menteur Pass Bridge; LADOTD; Orleans Parish, LA** Technician. Responsible for field crew coordination and data processing. Performed a topographic survey for the construction of a replacement bridge along US 90 over Chef Menteur Pass.
02/17 – 04/18	**S.P. No. H.004987 US 190 Collins Boulevard. Widening; LADOTD; St. Tammany Parish, LA** Technician. Performed a Topographic Survey for the widening of approximately 3 miles of US 190 in St. Tammany Parish, LA, including the replacement of a bridge over the Bogue Falaya River. Responsible for field crew coordination and data processing. Assisted with QAQC and Deliverables preparation.
04/20 – 11/20	**S.P. No. H.000688 US 11 Norfolk Southern RR Overpass (HBI); LADOTD; St. Tammany Parish, LA** Technician. Responsible for field crew coordination and data processing. Performed a Topographic Survey for the replacement of the US 11 Overpass over the Norfolk Southern Railroad.
11/23 - 06/24	**S.P. No. H.015576, LA 447, and LA 1025: Roundabout; LADOTD; Livingston Parish, LA** Project Manager. Responsible for field crew oversight, data processing, and review. Performed a topographic survey for the design and construction of a roundabout at the intersection of LA 447 and LA 1025 near Walker, Louisiana.
01/18 – 04/20	**S.P. No. H.004100, I-10: LA 415 to Essen Lane; LADOTD; East and West Baton Rouge Parishes, LA** Project Manager. Responsible for field crew oversight, data processing, and review. Performed a topographic survey for the widening of I-10 through Baton Rouge.

Firm employed by: T. Baker Smith, LLC					
Name	**Branden Kinnaird**		Years of relevant experience with this employer	4	
Title	Party Chief		Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			N/A		
Active registration number/state/expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Party Chief		

Branden Kinnaird has extensive experience performing surveys according to the LADOTD Location and Survey Manual. He has a thorough understanding of LADOTD feature coding, control setting procedures, and data collection methodology. Branden has utilized conventional surveying equipment, Real-Time Kinematic GPS equipment, and terrestrial LiDAR for field data collection. In addition to his topographic survey experience, Branden is also very familiar with the principles and procedures for boundary surveying. He has been involved in projects on the state and local levels, as well as for private clients.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/21 - Ongoing	**Contract 44-21973 IDIQ for Professional Surveying Services; LADOTD; Statewide, LA** Survey Crew Party Chief. Establishes project control and collects topographic and utility data. Coordinates with landowners to obtain right-of-entry and assists project management throughout the duration of the surveys. To date, twelve task orders have been completed under this contract.
11/23 – 01/24	**S.P. No. H.015576, LA 447, and LA 1025: Roundabout; LADOTD; Livingston Parish, LA** Party Chief. Responsible for establishing project control and collecting topographic and drainage data for the design and construction of a roundabout at the intersection of LA 447 and LA 1025 near Walker, Louisiana.
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** Party Chief. Laramey established project control, performed topographic surveys, and recovered boundary monumentation for the development of Right-of-Way maps. Surveys were performed to LADOTD Location and Survey standards for the replacement of 12 bridges.
08/22 - 01/26	**S.P. No. H.014918 LA 73 Roundabout at Bluff Road Connector; LADOTD/Ascension Parish; Ascension Parish, LA** Survey Crew Party Chief. Established project control and collected topographic and utility data. Coordinated with landowners to obtain right-of-entry. Performed property surveys to assist in the preparation of Right-of-Way Maps for the design and construction of a Roundabout at the intersection of LA 73 and the proposed Bluff Road Connector.
01/24 - 02/24	**S.P. No. H.015555, LA 1077, and Brewster Rd Roundabout; LADOTD / St. Tammany Parish, LA** Party Chief. Branden established project control and performed a topographic survey, including the development of an existing drainage map, for the design and construction of a roundabout at the intersection of LA 1077 and Brewster Road near Madisonville, Louisiana.

Firm employed by: T. Baker Smith, LLC					
Name	**Laramey Leet**		Years of relevant experience with this employer	10	
Title	Party Chief		Years of relevant experience with other employer(s)	10	
Degree(s) / Years / Specialization			N/A		
Active registration number/state/expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Party Chief		

Laramey Leet has extensive experience with LADOTD projects and is very familiar with LADOTD Location and Survey procedures for control, location, traverse, and cross sections. He is very experienced with LADOTD coding procedures and the development of survey surfaces for design. His project experience includes boundary, topographic, and construction staking for roadways, bridges, subdivisions, and municipal projects. He is familiar with roadway alignment properties used in developing topographic surveys for LADOTD. He is experienced with static, rapid static, kinematic, and real-time kinematic GPS surveying, surveys utilizing conventional total stations and robotic total stations. He maintains ATSSA Traffic Control Technician (TCT), Traffic Control Supervisor (TCS), and Flagger certifications.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/21 - Ongoing	**Contract 44-21973 IDIQ for Professional Surveying Services; LADOTD; Statewide, LA** Survey Crew Party Chief. Establishes project control and collects topographic and utility data. Coordinates with landowners to obtain right-of-entry and assists project management throughout the duration of the surveys. To date, twelve task orders have been completed under this contract.
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** Survey Crew Party Chief. Laramey established project control, performed topographic surveys, and recovered boundary monumentation for the development of Right-of-Way maps. Surveys were performed to LADOTD Location and Survey standards for the replacement of 12 bridges.
07/20 – 01/23 Ph 1 05/21 – 05/23 Ph 2	**Contract 44-17598, 44-19336, Rural Bridge Replacement Initiative Ph 1 and 2; LADOTD; Districts 04, 05, 08, 58** Survey Crew Party Chief. Performed topographic surveys, SUE designation surveys, and GPS Control of 87 bridge replacement projects for LADOTD. Survey included approximately 2000 feet of roadway cross sections, 500 feet of stream cross sections, and a detailed bridge survey and sketch.
01/20 - 04/23	**S.P. No. H.014407 Move Ascension, Roddy Road at LA 621 Roundabout, Ascension Parish Government, Ascension Parish, LA** Survey Crew Party Chief. Performed utility survey, topographic survey, and recovered boundary monumentation to assist in the Right-of-Way mapping for the Roddy Road at LA 621 Roundabout. Following construction, the lane widths will be widened to 12 feet with 4-foot-wide shoulders upon approach to the roundabout. The single lane roundabout will include 18-foot-wide entrance lanes and 14-foot-wide exit lanes.
08/22 - 01/26	**S.P. No. H.014918 LA 73 Roundabout at Bluff Road Connector; LADOTD/Ascension Parish; Ascension Parish, LA**

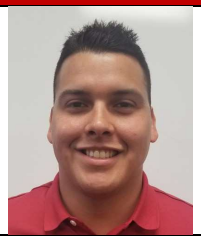
	Survey Crew Party Chief. Established project control and collected topographic and utility data. Coordinated with landowners to obtain right-of-entry. Performed property surveys to assist in the preparation of Right-of-Way Maps for the design and construction of a Roundabout at the intersection of LA 73 and the proposed Bluff Road Connector.
7/17-8/17, 12/18	**S.P. No. H.013116, LA 20 Widening; LADOTD; St. James Parish, LA** Survey Crew Chief. Responsible for establishing project control and collecting topographic and boundary data for the widening project, including adding eight-foot outside shoulders and widening travel lanes.
02/18-10/18	**ENG-17-013, LA 3127 Extension (LA 70 to LA 1); Ascension Parish Government; Ascension Parish, LA** Survey Crew Party Chief. Performed topographic surveys, SUE designation surveys, existing drainage map surveys, and property surveys through virgin terrain along 12 parcels for the 6.8-mile roadway extension project.
10/17–09/18	**MA-17-01, Roddy Road Widening (LA 935 to LA 621); Ascension Parish Government; Ascension Parish, LA** Senior Project Manager. Performed Data Processing, project QAQC, and task management for Topographic Surveys and right-of-way mapping for 1.5 miles of roadway widening from the existing 10-foot travel lanes and minimal shoulders to 12-foot travel lanes with four-foot shoulders and associated roadside ditch improvements.
12/16 – 03/17	**S.P. No. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41); LADOTD; St. Tammany Parish, LA** Survey Crew Party Chief. Performed property surveys along 101 parcels through virgin terrain for the 5.5-mile roadway project.
09/16 – 10/16	**S.P. No. H.012699, LA 10/Beaver Branch Bridge; LADOTD; St. Helena Parish, LA** Survey Crew Party Chief. Topographic survey. Emergency Project – Performed topographic and control surveys using robotic total station and GPS for emergency bridge replacement project in accordance with all LADOTD procedures - deliverables transmitted within nine days from NTP.

Firm employed by: T. Baker Smith, LLC					
Name	**Cy Toups, PE**		Years of relevant experience with this employer	19	
Title	Lead Professional, Environmental		Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			Bachelor of Science / 2002 / Environmental Engineering		
Active registration number/state/expiration date			PE.33966 / Louisiana / 09.30.2026		
Year registered	2008	Discipline	Environmental Engineer		
Contract role(s) / brief description of responsibilities			Environmental Manager		

Cy Toups, PE, is a Louisiana-licensed environmental engineer focused on NEPA processes, Suna, and regulatory compliance. With 22 years of experience in the industry, Cy leverages his diversified environmental and regulatory experience to perform due diligence on powerline transmission projects, commercial developments, and public infrastructure improvements that benefit our communities. Cy's passion for improvement in our communities is shown in his commitment to the NEPA process to help strengthen project success and implementation.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/25 - Ongoing	**S.P. No. H.008069 Peters Road Bridge and Extension (Phase 3); LADOTD: Jefferson and Plaquemines Parishes, LA** Environmental Professional. Supported the LADOTD transportation project by coordinating kickoff meetings and managing the Phase I ESA Environmental Lead. Supported LADOTD transportation project by coordinating efforts regarding the NEPA Supplemental Environmental Assessment (SEA) conducted for the design of a new bridge spanning the GIWW near Belle Chasse, LA. Role included coordination of kickoff and scoping meetings, conducting environmental inventory, preparation of technical reports (Phase I ESA / Navigational Study), supporting public meetings, invoicing, and stakeholder coordination.
08/20 – 04/22	**Rural Bridge Replacement Initiative Phase I, LADOTD, Districts 04, 05, 08, 58** Environmental Lead / Engineer. Performed QC review of wetland delineation field work and report preparation, prepared Solicitation of Views letters, NEPA Categorical Exclusion Documents, and regulatory permit applications for the replacement of 47 bridge structures in northern Louisiana.
05/21 – Ongoing	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 04 and 05** Environmental Lead / Engineer. Performed QC review of wetland delineation field work and report preparation, prepared Solicitation of Views letters, NEPA Categorical Exclusion Documents, and regulatory permit applications for the replacement of 40 bridge structures in northern Louisiana.
03/16 – 01/19	**I-10/Loyola Interchange Improvement, LADOTD, Jefferson Parish, LA** Environmental Professional. Prepared EA in accordance with the NEPA and other applicable laws for the proposed project. Evaluated the social, economic, and environmental consequences of the alternatives (including the no-build) and presented this information in the EA document. In addition to the formal EA document and Finding of No Significant Impact (FONSI), the Consultant was required to develop separate reports such as Wetland Delineations, Phase I Environmental Site Assessment, Phase I Cultural Resources Survey Reports, and Noise analysis.
01/26 - Ongoing	**FY26 Bridge Bundle Program - LA 1071 over Creek / LA 1036 over Tickfaw River / LA 444 over Dunham Bayou; Office of Louisiana Highway Construction; Statewide, LA** Environmental Lead. TBS is the prime consultant for OLHC's 2026 Bridge Bundle Program engineering services for nine bridge replacement projects across Districts 02, 61, and 62. Cy supported the project by coordinating with the OLHC and its program

	management group, managed multiple phases that included desktop environmental reviews, Wetland Delineations, regulatory permitting, cultural studies, and agency coordination.
03/15 – 11/20	**H.010116, LA 1088 Corridor Environmental Assessment (LA 59 to I-12), LADOTD, St. Tammany Parish, LA** Environmental Professional. Responsible for conducting Phase I ESA field inventory, landowner coordination/survey and research activities, Phase I ESA document deliverables, and coordination of NEPA process for Environmental Assessment.
03/19 – 05/21	**LA 20 Widening (LA 307 to S. Vacherie); LADOTD; St. James and Lafourche Parishes, LA** Environmental Professional. Prepared NEPA document (Categorical Exclusion), developed and edited NEPA documents with LADOTD/FHWA comments, stakeholder comments, public meetings, wetland delineation, T&E reporting, alternative analyses, farmlands and mitigation justification, assisted with USACE, LADNR, and USCG permit drawings for the 2.5-mile roadway widening and bridge replacement project.
02/18 – 12/21	**ENG-17-013, LA 3127 Extension (LA 70 to LA 1), Ascension Parish Government, Ascension Parish, LA** Environmental Engineer/ Sr. Project Manager. Lead Environmental for the preparation of the preliminary environmental evaluation report, including Phase I ESA, wetland delineations, Threatened and Endangered Species, alternative analysis, and SHPO coordination. Assisted with preparation of LADOTD Stage 0 Feasibility Study and will lead Environmental Assessment (EA) NEPA document preparation upon approval of Stage 0 for the seven-mile, four-lane rural arterial roadway extension located south of Donaldsonville, LA.
03/19 – 05/21	**S.P. No. H.013116, LA 20 Widening: LA 307 to S. Vacherie, LADOTD, St. James and Lafourche Parishes, LA** Environmental Engineer/Sr. Project Manager. Prepared NEPA document (Categorical Exclusion), developed and edited NEPA documents with LADOTD/FHWA comments, stakeholder comments, public meetings, wetland delineation, T&E reporting, alternative analyses, farmlands and mitigation justification, assisted with USACE, LADNR, and USCG permit drawings for the 2.5-mile roadway widening and bridge replacement project.
03/16 – 01/19	**S.P. H.011670, I-10, Loyola Interchange Improvement, LADOTD, Jefferson Parish, LA** Environmental Engineer/Sr. Project Manager. Performed environmental data research and environmental screening for the IMR Tier I and Tier II alternate analysis. Served as Environmental lead and prepared the Environmental Assessment (EA), NEPA document, developed and edited document from stakeholder and FHWA comments, performed alternative screening and analysis; obtained FONSI.
11/22 - 04/25	**S.P. H.015405, Keller Street Bridge Replacement; St. Tammany Parish Government; St. Tammany Parish, LA** Lead Environmental Professional. Cy prepared and reviewed the wetland delineation report for submittal, developed the wetland impact determination, prepared the Solicitation of Views package, and prepared the categorical exclusion document, which saved time and resources on the project.

Firm employed by: T. Baker Smith, LLC					
Name	**Victor Hernandez**		Years of relevant experience with this employer	9	
Title	Senior Project Manager, Environmental		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			Bachelor of Science / 2014 / Biology		
Active registration number/state/expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Environmental Pro		

Victor Hernandez is an environmental professional and supports senior professionals in the development, coordination, and management of projects. He coordinates the preparation of environmental permits and conducts environmental research. He conducts and assists with environmental compliance inspections, environmental monitoring studies, EA, and threatened and endangered species surveys. Additionally, he prepares reports and completes field work as necessary to complete documentation for transportation and roadway projects, oil and gas projects, and electrical substations and transmission projects, including SWPPPs/Inspections, SPCC Plans, Phase I ESAs, Phase II ESAs, EAs, EISs, NORM surveys, general soil sampling and confirmatory sampling (RECAP), wetland delineations, coordination of noise and air studies, wildlife identification, endangered species/habitat biological assessments and eagle surveys. Victor also has numerous years of experience with restoration of sensitive habitats such as marsh and other wetlands, which were impacted during construction projects, NEPA EA for federally funded projects, general and construction storm water permitting, permitting with LDNR, USACE, and local permits, and general environmental oversight on construction projects.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/24 - Ongoing	**ENG-17-013, LA 3127 Extension (LA 70 to LA 1), Ascension Parish Government, Ascension Parish, LA** Environmental Professional. Conducted wetland delineation field work, prepared a report of findings, conducted Threatened and Endangered Species Surveys, and completed the site reconnaissance for the Phase I Environmental Site Assessment.
01/26 - Ongoing	**FY26 Bridge Bundle Program - LA 1071 over Creek / LA 1036 over Tickfaw River / LA 444 over Dunham Bayou; Office of Louisiana Highway Construction; Statewide, LA** Environmental Professional. TBS is the prime consultant for OLHC's 2026 Bridge Bundle Program engineering services for nine bridge replacement projects across Districts 02, 61, and 62. Mr. Hernandez conducted wetland delineation field work, prepared a report of findings, conducted Threatened and Endangered Species Surveys, and assisted with desktop environmental reviews and regulatory permitting.
08/20-08/21	**Contract 44-17598 Rural Bridge Replacement Initiative (Phase 1), LADOTD; Districts 04, 05, 08, 58** Environmental Professional. Conducted wetland delineation, T&E species surveys, and field work, and USFWS IPAC self-determination for all sites for the replacement projects.
06/21-03/23	**Contract 44-19336, Rural Bridge Replacement Initiative (Phase 2); LADOTD; Districts 04 and 05** Environmental Professional. Performed all wetland delineation and threatened and endangered (T&E) field work for the replacement of nine bridge structures in northern Louisiana.
10/22 - 07/23	**Keller Street Bridge Replacement; St. Tammany Parish Government; St. Tammany Parish, LA** Environmental Professional. Reviewed the site background and details, coordinated the field work, conducted the wetland delineation, prepared the wetland delineation report, and conducted follow-up delineation tasks for preparation of data sheets and plats.

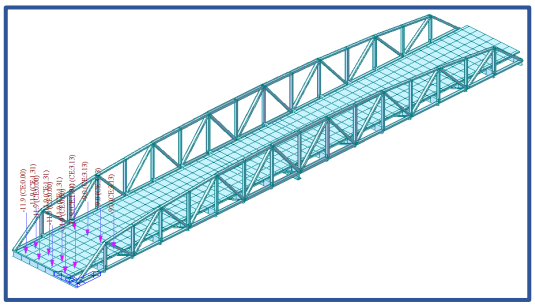
03/21	**North Columbia Street Bridge Replacement; City of Covington; Covington, LA** Environmental Professional. Conducted wetland delineation for this bridge replacement project that includes the removal of an existing timber-supported bridge and installation of a 60-foot span concrete bridge for the City of Covington.
11/23 - 08/25	**IIJA Off-System Bridge Replacement District 08 (Multiple S.P. Nos.); LADOTD; LADOTD District 08** Environmental Professional. Conducted wetland delineation and T&E species surveys and field work. Coordination with GIS personnel for wetland boundary extents, gathering LiDAR data, conducting structure bat assessment, and preparation of detailed reports.
11/19-12/19	**Country Estates Dr. / St. Louis Bayou-E, H.013199; LADOTD; Terrebonne Parish, LA** Environmental Professional. Performed wetland delineation for the replacement of Country Estates Drive/St. Louis Bayou off-system bridge.
09/21-08/22	**Golden Meadow to Clovelly T-Line Rebuild; Entergy; Lafourche Parish, LA** Environmental Professional. On-site Weekly Environmental Inspector. Provided environmental oversight, including migratory bird monitoring, for the 230Kv transmission line. Worked with contractors and Entergy environmental staff to remedy environmental site concerns.
11/20-05/21	**Waterford to Raceland Transmission Line, Entergy, Lafourche Parish, LA** Bald Eagle monitoring for the Waterford to Raceland Transmission Line and bald eagle signage removal for the Waterford to Raceland line.
02/17-09/18	**230Kv Transmission Line, Terrebonne-Bayou Vista Line (Coteau to Amelia), Entergy, Terrebonne Parish, LA** Environmental Professional, Onsite Weekly Environmental Inspector. Provided environmental oversight, including migratory bird surveys, for the 230Kv transmission line. Worked with contractors and Entergy environmental staff to remedy environmental site concerns.

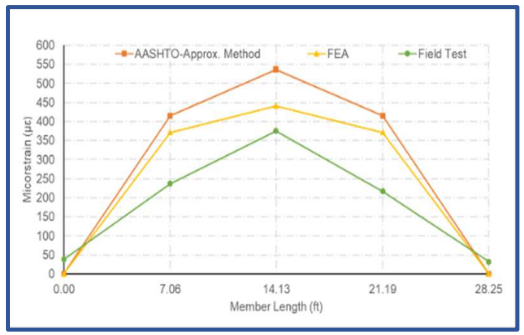
17. FIRM EXPERIENCE:

Firm name	SDR Engineering Inc		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	LADOTD		
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 bridges, three 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, to remove the current load posting. This approach captures the actual behavior of the structure and accounts for strength-enhancing factors not included in the design. Results reveal that the bridges can carry loads higher than those estimated by design codes.

Recall No.	Parish	Type	Total Length (feet)
033700	Cameron	Steel Low Truss Swing Span	1,049
033730	Cameron	Steel Low Truss Swing Span	589
009690	Vermillion	Steel Plate Girder Swing Span	465
009580	Vermillion	Precast Concrete Slab Units	114
009570	Vermillion	Precast Concrete Slab Units	114





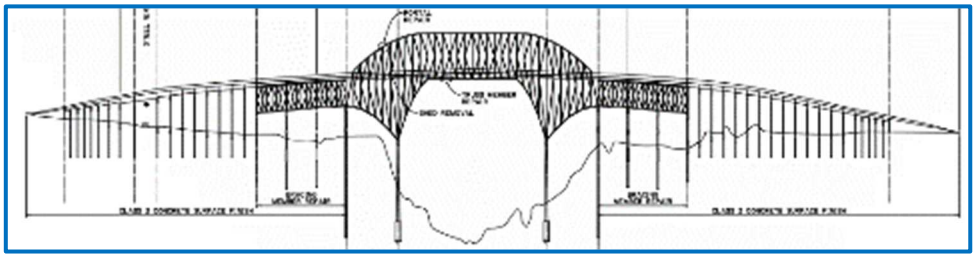
A strengthening and rehabilitation plan was also developed for the Mermentau Bridge (#033700) to avoid posting.

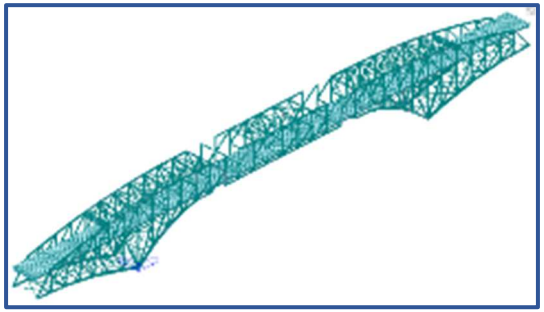
Team: Osama Elsaad, PE; Zhiyong Liang, PhD, PE; Mohsen Shahawy, PhD, PE; Feng Xie, PE

Firm name	SDR Engineering Inc		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	LADOTD		
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.Doolittle@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 the Red River, including the truss pans and approach spans. The bridge consisted of a main truss span 884 feet long, six 102.75 feet steel deck truss spans, one 91-foot 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 the proposed scope for rehabilitation.
- Develop final report with rehabilitation recommendations.
- Design of rehabilitation and preparation of construction plans.
- Develop special provisions and a construction cost estimate.
- Provide construction support (approving submittals, responding to RFIs, site visits, and change orders preparation).

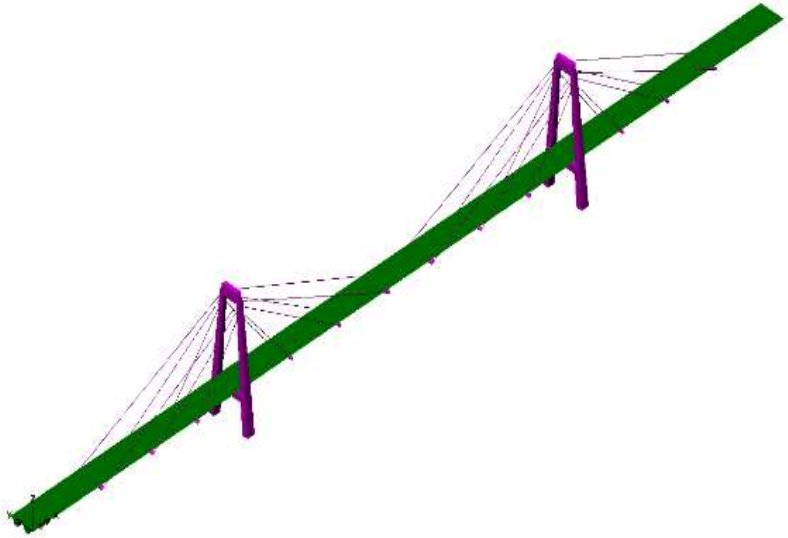




Team: **Osama Elsaad, PE; Zhiyong Liang, PhD, PE; Mohsen Shahawy, PhD, PE; Feng Xie, PE**

Firm name	SDR Engineering Inc		Discipline(s)	Bridge	
Project name	Luling Bridge Rehabilitation		Firm responsibility (prime or sub?)	Prime	
Project number	H.010498	Owner's name	LADOTD		
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 was placed into service. Inspection of the bridge indicated cracks at the connection of a web stiffener to the deck plate, and rocker bearings for the approach span support at Pier 1S may have permanently locked inward tilting.

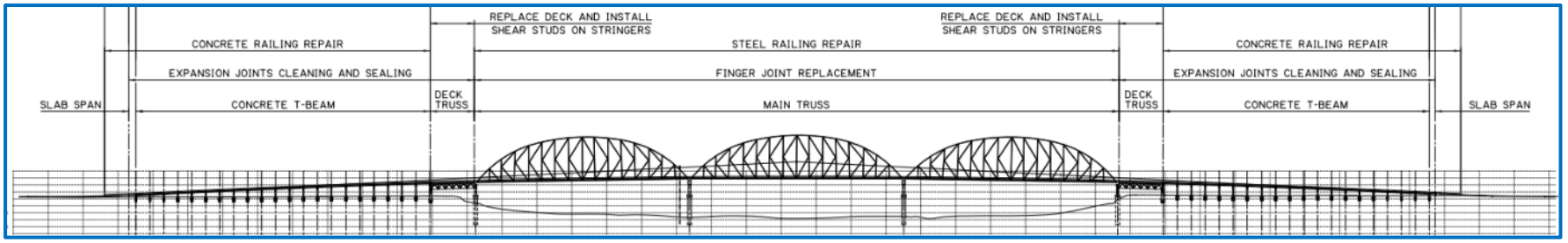


Project Features:

- 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 the 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: Osama Elsaad, PE; Zhiyong Liang, PhD, PE; Mohsen Shahawy, PhD, PE; Feng Xie, PE

Firm name	SDR Engineering Inc		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	LADOTD		
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 feet. The approach spans consist of two reinforced concrete slab spans, 40 reinforced concrete T-beam spans, and two deck truss spans. The main spans consist of three identical through truss spans with a span length of 608 feet. 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 the scope of rehabilitation.
- Diagnostic load test of approach spans using strain gauges and calibration trucks.
- Design rehabilitation and develop construction plans and cost estimates.
- Develop TTC 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.

Team: **Osama Elsaad, PE**; **Zhiyong Liang, PhD, PE; Mohsen Shahawy, PhD, PE; Feng Xie, PE**

Firm name	SDR Engineering Inc		Discipline(s)	Bridge	
Project name	LA 27 I-10 Overpass Repairs			Firm responsibility (prime or sub?)	Prime
Project number	H.013450	Owner's name	LADOTD		
Project location	Calcasieu Parish		Owner's Project Manager	Heather Patton, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, 225-379-1306, Heather.Patton@LA.GOV				
Services commenced by this firm (mm/yy)	3/18	Total consultant contract cost ($1,000's)		$364	
Services completed by this firm (mm/yy)	6/18	Cost of consultant services provided by this firm ($1,000's)		$364	

LA 27 Northbound and Southbound bridges spanning over I-10 were struck by an over-height vehicle. LA 27 Northbound is a five-girder bridge consisting of AASHTO Type III and Type IV precast prestressed concrete girders. One interior girder and one exterior girder on Span 2 were impacted near midspan, resulting in a total of seven severed prestressing strands. The Southbound bridge is a four-girder bridge consisting of steel plate girders and rolled steel girders. Two exterior girders on Span 3 sustained impact damage to the bottom flange from the over-height vehicle. Due to the significance of the bridge route, LADOTD initiated emergency repair procedures to rapidly assess the damage and restore the structures to safe operating conditions.

To assess the extent of the damage, SDR Engineering Inc. performed an in-depth inspection and structural evaluation. Following the assessment, load ratings and rehabilitation plans were developed. Accelerated Bridge Construction (ABC) methods were utilized for the repairs, including strand splicing and CFRP laminates for the prestressed concrete girders, heat straightening techniques for the impacted steel girders, and plate girder replacement. The total length of all tasks, including construction, was performed within three months.

The concrete girders were restored to their original section properties, while the CFRP laminates provided additional confinement and enhanced flexural capacity. The rehabilitation measures allowed the structures to safely return to service while minimizing traffic disruptions and construction duration.

Team: **Osama Elsaad, PE; Zhiyong Liang, PhD, PE; Mohsen Shahawy, PhD, PE; Feng Xie, PE**

Firm name	Neel-Schaffer, Inc.		Discipline(s)		Road, Planning, Traffic
Project name	IDIQ for Road Design Projects			Firm responsibility (prime or sub?)	Prime
Project number	H.0144366, H.015226	Owner's name	LADOTD		
Project location	Calcasieu and Ascension Parishes		Owner's Project Manager	Cathy Mastin	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; 225-379-1652; Catherine.Mastin@la.gov				
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost ($1,000's)		$5,000	
Services completed by this firm (mm/yy)	03/28	Cost of consultant services provided by this firm ($1,000's)		$2,100	

Neel-Schaffer, Inc. (NS) was selected for the IDIQ contract with DOTD to conduct Roadway Design Services. These Roadway Design Services include roadway plan development and traffic engineering design services. NS will provide all services required to complete the construction plan set. These services include traffic design, traffic control design, traffic signal analysis and design, hydraulic analysis and design, TTC, and TMPs. In addition to plan development, cost estimates, special provisions write-ups, quality plan reviews, and construction support are provided. NS is willing to assist in public and stakeholder meetings and provide documents needed for the environmental process.

The task orders under this contract are as follows:

1.) **US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226);** This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station and other development at the intersection. It includes the minimum right-of-way taking and detention pond design.

2.) **LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366);** This project will widen LA 73 and realign LA 621 near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, a TMP, and one mile of mill and overlay for LA 621.

3.) **LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) (SPN. H.009425.5);** Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000 feet east of Duncan Avenue.

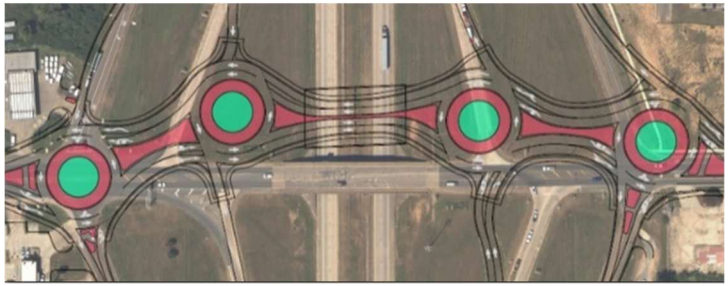
4.) **LA 182: US 90 - Greenwood Road Overpass (St. Mary Parish) (SPN. H.016158);** Pavement rehabilitation project along LA 182 from the Westbound Exit Ramp to the Greenwood Street Overpass, located in Morgan City, LA. The scope of work includes pavement patching,four inch mill and overlay, roadway reinforcing mesh, curb ramps, and guard rail.

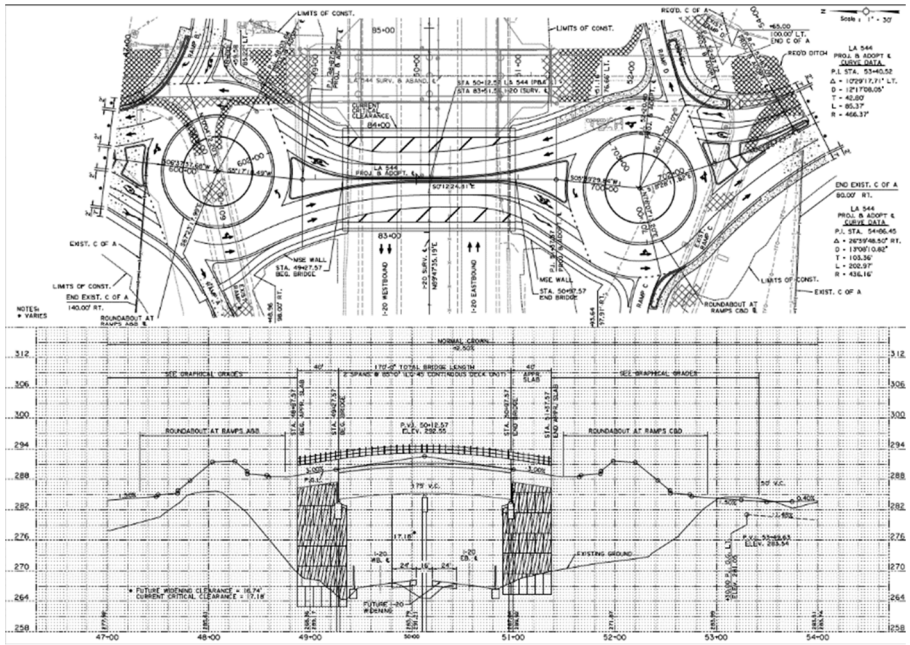
5.) **LA 150 and LA 88 Roundabout (Lincoln Parish) (SPN H.015640);** This project includes the design of a roundabout on very steep longitudinal grades.

Team: **Dishili Curry, Chance Shuckrow, Nick Ferlito, Ellen Howard, Jonathan Duhe, Josh Schexnider, Gary LeBlanc, Phil Graves, Mai Nguyen, Jacob Thiaville, Scott Andrepont, Daniel Marks**

Firm name	Neel-Schaffer, Inc.		Discipline(s)	Traffic, Road	
Project name	I-20: LA 544 Overpass Replacement		Firm responsibility (prime or sub?)	Prime	
Project number	H.010616	Owner's name	LADOTD		
Project location	Lincoln Parish, LA		Owner's Project Manager	Jayasree Viswakumar	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 | 225.379.2036 | jayasree.viswakumar@la.gov				
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost ($1,000's)		$858	
Services completed by this firm (mm/yy)	Ongoing (Construction Admin phase)	Cost of consultant services provided by this firm ($1,000's)		$858	

Neel-Schaffer is currently working on the 95% final plans for this project. NS is responsible for providing the preliminary and final roadway plans, TTC plans, traffic control design QA/QC, TMP, and signal design QA, Sequence of Construction, hydraulic analysis and design, and MOT, which maintains access to properties during construction. This project will replace the LA 544 Overpass diamond interchange with a roundabout diamond interchange. The project includes four multilane roundabouts (two entrance/exit ramps at 3% grade), a new bridge over I-20, roadway improvements to I-20 and the ramps, and roadway widening (from two to four lanes) along LA 544, an urban arterial roadway. The bridge design and retaining wall design will be completed by DOTD.





Challenges:

1. Multilane roundabouts on 3% longitudinal grade, in high fill, partially on a bridge, and open to traffic.
2. Large grade changes are required along ramps without impacts to the gores.
3. Structural design by DOTD, while roadway design is completed by consultants.

Solutions:

1. NS designed 65 pages of 13-phased construction with models to consider each phase and final joint layout and elevations.
2. NS provided for a variation in the ramp design speed (between the ramp proper and terminal), which provided ramp vertical alignments that met the design requirements but prevented changes in access that might require an IMR.
3. NS completed the design in close coordination with DOTD early on and continually during the design process. NS proposed alignments minimized the construction phasing for retainage walls, provided for interstate clearances, which would allow for future interstate widening, and provided desirable bridge phasing while minimizing impacts. NS and DOTD are working as one team to complete the project.

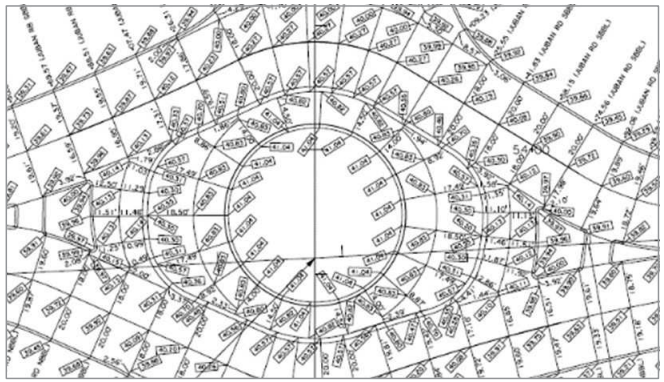
Team: **Dishili Curry, Chance Shuckrow, Scott Andrepont, Josh Schexnider, Frank Standige, Jacob Thiaville, Mai Nguyen**

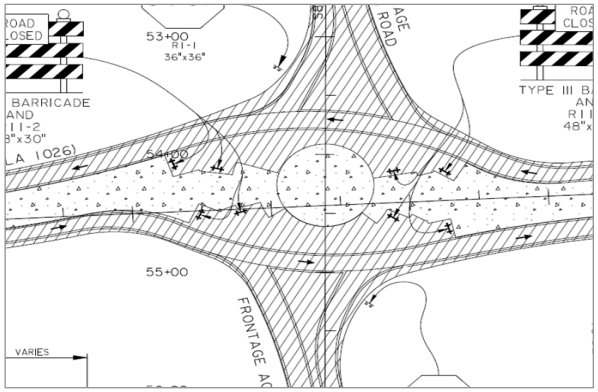
Firm name	Neel-Schaffer, Inc.		Discipline(s)		Road
Project name	LA 1026 (Juban Rd) Widening (I-12 to US 190)			Firm responsibility (prime or sub?)	Prime
Project number	H.004634	Owner's name	Livingston Parish / LADOTD		
Project location	Livingston Parish, LA		Owner's Project Manager	Peggy Paine, PE	
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 70804 | 225.379.1065 | peggy.paine@la.gov				
Services commenced by this firm (mm/yy)	08/12	Total consultant contract cost ($1,000's)		$877	
Services completed by this firm (mm/yy)	03/19	Cost of consultant services provided by this firm ($1,000's)		$877	

Neel-Schaffer was selected as the prime consultant to complete the preliminary and final roadway plans, hydraulic analysis and design, construction cost estimates, and construction support. The project includes three multilane roundabouts and will widen existing LA 1026 (Juban Road), an Urban Arterial roadway, from an existing two-lane road with side ditches to a four-lane Boulevard with storm sewer drainage, roadside ditches, and a combination of both along select segments of the roadway. The intersection of LA 1026 (Juban Road)/ US 190 (Florida Boulevard) will be improved with a roundabout in this project. *The images below show how the Sequence of Construction considered the joint layouts during construction phasing. The bottom image shows the overall project in concept form. The project is currently under construction.*

Project Challenge/Solution: The project was let as two design packages, which required TTC plans, roadway design (horizontal and vertical alignments), and drainage designed to work for both phases; interim build and full build conditions.

Team: **Dishili Young, Chance Shuckrow, Scott Andrepont, Charles Adams, Josh Schexnider, Mai Nguyen**





Firm name	Gulf South Research Corporation		Discipline(s)	Environmental	
Project name	Strategic Biofuels EA for New Construction and Operation of the LA Green Fuels Bio-Refinery		Firm responsibility (prime or sub?)	Prime	
Project number	Signed letter contract	Owner's name	Strategic Biofuels, LLC		
Project location	Caldwell Parish, LA		Owner's Project Manager	Paul Oestermeich	
Owner's address, phone, email	303 Wall Street, Columbia, LA 71418; (314) 250-7157; pauloesterreich@strategicbiofuels.net				
Services commenced by this firm (mm/yy)	03/24	Total consultant contract cost ($1,000's)	$35		
Services completed by this firm (mm/yy)	On-going	Cost of consultant services provided by this firm ($1,000's)	$35		

GSRC was contracted by Strategic Biofuels (Strategic), LLC to prepare an EA for the construction, operation, and maintenance of the proposed Louisiana Green Fuels (LGF) refinery, including one natural gas pipeline right-of-way, two carbon dioxide pipeline rights-of-way, and two injection well pads. The project area is approximately 420 acres located in Caldwell Parish, Louisiana. As part of the EA process, GSRC was responsible for conducting wetland surveys on six individual tracts of land that comprise the refinery facility site, as well as the natural gas pipeline right-of-way, carbon dioxide pipeline rights-of-way, and well pads. GSRC was responsible for coordinating with the USACE to obtain a Preliminary Jurisdiction Determination for four of the tracts of land that comprise the refinery facility site. GSRC also conducted vegetation and protected species surveys. There is one endangered species (Northern long-eared bat), one proposed endangered species (Tricolored bat), one proposed threatened species (Alligator snapping turtle), and a candidate species (Monarch butterfly) known to occur in the area. In accordance with the **Endangered Species Act (ESA)**, critical habitat was researched; however was not found within the project site. GSRC was also responsible for conducting **Phase I Cultural Resources surveys** for the same areas in which the wetland delineation surveys were performed. **GSRC was responsible for conducting Section 106 consultation with the Louisiana State Historic Preservation Officer (SHPO)** to obtain concurrence on GSRC findings. The associated studies were performed under separate work orders.

GSRC prepared the Draft EA in compliance with the National Environmental Protection Act (NEPA) and the current Council on Environmental Quality's (CEQ) guidelines. As part of the EA process, GSRC was responsible for submitting the coordination letters to federal, state, and local agencies and affected Native American tribes. The purpose of these letters was to obtain any information or data these groups may have on potentially affected resources in the project's Region of Influence. Mr. Howard Nass is the project manager for this project and is responsible for project finances, scheduling, project coordination, oversight of associated studies, and preparation of the EA. He is also responsible for coordinating with federal, state, and local agencies during the preparation of the EA. **Mr. John Lindemuth was the Cultural Resources Principal Investigator for the Cultural Resources investigations, and Mr. Mark Hawthorn was the archaeological field technician. Howard Nas was the project manager; Beau Rapier and Ross Hackbarth conducted the wetland delineations and endangered species surveys.**

Firm name	Gulf South Research Corporation		Discipline(s)	Environmental	
Project name	Environmental Assessment (EA) and Environmental Baseline Survey (EBS) for Multiple Projects at Columbus Air Force Base, MS		Firm responsibility (prime or sub?)	Prime	
Project number	80700311	Owner's name	USACE, Mobile District		
Project location	Columbus Air Force Base, Mississippi		Owner's Project Manager	Sandy P. Gibson	
Owner's address, phone, email	109 St. Joseph Street, Mobile, AL 36602; (251) 694-4099; sandy.p.gibson@usace.army.mil				
Services commenced by this firm (mm/yy)	09/20	Total consultant contract cost ($1,000's)		$219	
Services completed by this firm (mm/yy)	09/22	Cost of consultant services provided by this firm ($1,000's)		$219	

GSRC was contracted by the USACE, Mobile District, to complete an EA to evaluate the potential environmental consequences associated with anticipated facility enhancements and land use modification projects at CAFB to provide and maintain infrastructure required to support the needs of the 14th Flying Training Wing (FTW) and its tenants. The proposed projects included the replacement and construction of the Physical Fitness Center, the replacement and construction of the Water Storage Tank, and the permanent placement of fill material into the SAC Lake. **An architectural historian from GSRC visited CAFB** to evaluate the eligibility potential of Buildings 704, 842, and 9311. After research and analysis, GSRC recommended that none of the evaluated buildings are eligible for listing in the National Register of Historic Places (NRHP). Supporting studies included an analysis of historic architectural resources, wetland delineation, a biological resources survey, a Phase I Environmental Baseline Survey (EBS) for the acquisition of 118.2 acres, and air quality and noise analyses.

The wetland survey that GSRC conducted resulted in concurrence from the USACE, Mobile District (Regulatory Division) - Birmingham Field Office, for a jurisdictional wetland determination for the 3-acre mine pit pond. Additionally, in support of the proposed project activities, the Air Force prepared a Phase I EBS for land acquisition of 118.2 acres abutting the East/South-East property line of CAFB from a private individual to the United States Air Force (USAF). The purpose of this acquisition was to accommodate the necessary lands and setbacks needed to construct a future main security gate into CAFB.

GSRC conducted surveys in compliance with USFWS with Section 7 of the ESA, the Migratory Bird Treaty Act, and the Coastal Zone Management Act. Consultation with the USFWS in accordance with Section 7 of the ESA was completed, and no further consultation was required.

The air quality analysis evaluated the potential impacts on ambient air quality resulting from pollutant and greenhouse gas emissions from proposed installation construction activities and post-construction installation activities. Similarly, a thorough noise analysis evaluated both range enhancement and new facility construction activities. Impacts on the noise environment would be significant if conflicting with applicable federal, state, interstate, or local noise control regulations, or resulting in continuous and long-term noise levels at 85 decibels and above, which is the threshold of hearing damage with prolonged exposure. Impulsive noise levels from munitions are considered significant if emissions exceed 115 decibels A-weighted (dBA), and noise levels from construction are considered significant only if levels exceed 65 dBA. The Finding of No Significant Impacts (FONSI) was signed on September 1, 2022. **Howard Nass was the senior reviewer, Beau Rapier conducted endangered species and migratory bird surveys, and John Lindemuth and Mark Hawthorne conducted the cultural resources surveys.**

Firm name	Gulf South Research Corporation		Discipline(s)	Environmental	
Project name	Mississippi River Bridge South: LA1 to LA30 Connector, Iberville Parish, Louisiana		Firm responsibility (prime or sub?)	Sub	
Project number	80883001	Owner's name	Atlas Technical Consultants LLC		
Project location	Iberville Parish, Louisiana		Owner's Project Manager	Anna Choudhuri	
Owner's address, phone, email	8440 Jefferson Hwy, Suite 400, Baton Rouge, LA 70809; 877-215-4321; ananya.choudhuri@oneatlas.com				
Services commenced by this firm (mm/yy)	6/7/2024	Total consultant contract cost ($1,000's)	$413		
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$413		

GSRC was contracted by Atlas Technical Consultants, LLC to conduct a terrestrial cultural resources investigation for three proposed bridge crossings and alignments for the Mississippi River Bridge (MRB) South: LA1 to LA30 Connector in Iberville Parish, Louisiana. The total Area of Potential Effect (APE) for the terrestrial survey was 1,716 acres. A visual APE for standing structures was set at a 0.5-mile buffer around the bridges and approaches. Before initiation of fieldwork, background and archival research were conducted. Archaeological research conducted within the area consists of academic investigations and contract archaeology. Thirty-one previously conducted archaeological investigations are on file with the Louisiana Division of Archaeology (LADOA) within 1.6 kilometers (km) (1 mile [mi]) of the survey area, twenty of which overlap with the current APE. Of the 52 archaeological sites within a 1-mi radius, one prehistoric site, seven historic sites, and three multicomponent sites are within the APE. Thirty-three previously recorded aboveground resources and four historic properties listed on the National Register of Historic Places (NRHP) (Bagatelle Plantation, Towles-Musso House, Lucky Plantation House, and Bayou Paul Colored School) have been recorded in a 1-mi radius of the project area. Of those aboveground resources, two NRHP-listed properties and eight previously recorded Louisiana Historic Standing Structures are within the 0.5-mi visual APE.

The Phase I terrestrial survey of the MRB South alignments was conducted during multiple field sessions from July 9, 2024, to February 27, 2025, and consisted of a pedestrian survey as well as the excavation of shovel test pits (STPs) at 30-meter (m) intervals across all the alignments. A total of 1,716.4 acres (ac) were surveyed for the project, divided across three proposed alternate alignments with a total of 4,204 STPs excavated out of 7,034 pre-plotted STPs. Archaeological resources recorded during the terrestrial surveys included revisiting and updating three previously recorded archaeological sites, recording seven new archaeological sites, and recording 14 isolated occurrences (IO-1 through IO-14). In addition, eight archaeological sites were located within areas that were previously surveyed for archaeological resources. During the aboveground survey, a total of 87 locations that fell within the visual APE of the MRB South project corridor were surveyed and evaluated. The survey included two NRHP-listed properties (Bayou Paul Colored School and Lucky Plantation House) and eight previously recorded Louisiana Historic Standing Structures. A total of 77 structures were newly recorded. The most common newly recorded styles and forms were Minimal Traditional (21), Wood Frame Vernacular (19), Ranch (19), and Shotgun (4). Such styles and forms were reflective of the Depression era (1929-1939) through the middle twentieth century; however, some resources that date to the early 1900s were not recorded by previous surveys. Newly recorded less-representative styles and forms include: two cemeteries (2), industrial (2), miscellaneous styles/forms (6), and no particular style/form (4). GSRC produced the technical report, which outlined the results of the survey and recommendations for all resources found. The report also integrated the results of the submerged survey, which was conducted by another firm contracted by Atlas. **Personnel involved in the project included Mr. John Lindemuth, Dr. Bretton Somers, Mr. Mark Kudron, Ms. Jenifer Davis, and Mr. Jake Vicknair.**

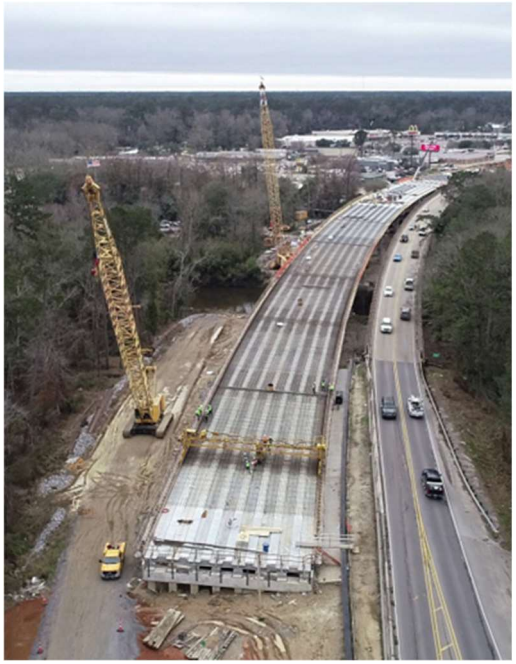
Firm name	T. Baker Smith, LLC		Discipline(s)	Road	
Project name	US 190: LA 437 - US 190 BUS (PH1)		Firm responsibility (prime or sub?)	Prime	
Project number	H.001344	Owner's name	Louisiana Department of Transportation and Development (DOTD)		
Project location	St. Tammany Parish, LA		Owner's Project Manager	Joseph Brown, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; 225.379.1889; Joseph.Brown@la.gov				
Services commenced by this firm (mm/yy)	12/19	Total consultant contract cost ($1,000's)	$1,965		
Services completed by this firm (mm/yy)	02/26	Cost of consultant services provided by this firm ($1,000's)	$979		

Phase 1 of the US 190 widening from LA 437 to US 190 BUS involves asymmetrical urban roadway widening and the design of a new 1,400-foot long bridge over the Bogue Falaya River to increase the capacity of US 190 from two lanes to four lanes beginning at LA 437 (N. Lee Road) and ending at US 190 BUS on the south side of the Bogue Falaya River in Covington, LA. The Phase 1 bridge over the Bogue Falaya River will accommodate future ramps from the LA 21 and US 190 BUS roundabouts onto US 190 westbound.

Project Relevance:

- ✓ Urban Roadway Design
- ✓ Roadway for Bridge Approach
- ✓ Intersection Design
- ✓ Utility Conflict Matrix

TBS serves as the Prime Consultant and conducted all roadway design services, including Preliminary and Final bridge and roadway plans, construction support, structural design, bridge load rating, and bridge hydraulic and scour design.



As a part of the roadway approach designs for this urban corridor, TBS provided geometric intersection design for eight intersections throughout the project length. Three of the intersections required signalized designs, and five were stop-controlled. TBS coordinated with the traffic engineering subconsultant to provide the signalized designs and intersection geometry. Raised concrete splitter and channelization islands are designed throughout the project, including directional U-turns in the median. Roadway widening design included varying-width roadway sections, varying-height PGLs from eastbound and westbound sides due to horizontal curvature and superelevation transitions. Additional design elements included subsurface storm sewer network design, site-specific commercial drives and grading, traffic management plans, and utility conflict matrix development and utility management.

TBS provided Construction Support through the duration of construction. Construction is complete, and the project was opened to traffic in January 2026.

Team: **Kenny Belou, PE; Kelly Radecker, PE; Brady Smith, PE, PMP; Daniel Binet, PE; Branden Kinnaird**

Firm name	T. Baker Smith, LLC		Discipline(s)	Survey	
Project name	IDIQ Contract for Professional Surveying Services Statewide		Firm responsibility (prime or sub?)	Prime	
Project number	4400021973	Owner's name	Louisiana Department of Transportation and Development (DOTD)		
Project location	Statewide, LA		Owner's Project Manager	Jonathan Herrod, PLS	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; 225.379.1105, Jonathan.Herrod@la.gov				
Services commenced by this firm (mm/yy)	11/21	Total consultant contract cost ($1,000's)	$2,240		
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$2,240		

TBS was awarded a statewide surveying retainer contract in 2021. Under this $5 million retainer contract, TBS performs Topographic Surveying for LADOTD projects statewide. Multiple task orders for survey work were issued, and TBS completed all deliverables using MicroStation and Inroads, as certified by CADconform. Below is a partial list of completed Task Orders, including several that were completed under expedited timelines.

S.P. Nos. H.016322, H.016323, H.016324, H.016326, H.016333 – Multiple Bridge Replacements, Districts 03, 61, and 62. TBS performed topographic surveys for the design and replacement of six rural route bridges across southern Louisiana. The schedule was the top priority for LADOTD, with surveys commencing in November of 2024 and being completed by May 2025 for all 6 sites. Survey length extended five hundred feet from each end of the existing bridge structures, with the width extending from the existing ROW to the existing ROW.

S.P. No. H.015308 – I-49: I-10 – St. Landry P/L, Lafayette Parish. This project is located in Lafayette, LA, beginning at the intersection of I-10 and I-49 and extending in a northerly direction along I-49 for approximately 9 miles. The width extended from outside ditch toe to outside ditch toe, including all exit and entrance ramps. Utilizing mobile LiDAR, TBS was able to deliver this pavement preservation survey on an expedited schedule of 3.5 months. Analysis of LiDAR data allowed TBS to accurately identify asphalt patches, concrete joints, and aerial utility crossings within the limits of the project.

S.P. No. H.014414 – LA 22: Bedico Creek – Pine Creek Dr, St. Tammany and Tangipahoa Parishes. This project is located near Madisonville, LA, along LA 22. The main corridor for this project is approximately 4.5 miles along a highly trafficked roadway through a heavily wooded corridor. The width of the survey and DTM was a total of 140 feet, extending 70 feet on each side of the project centerline. The project also included the topographic survey for a potential roundabout at Trapagnier Road and an existing drainage map of the project site. Over the course of the year-long survey, TBS encountered ongoing new utility installation and other construction throughout the site. A complete topographic survey, including all utilities with depths and all drainage, was required, along with the finished floor elevations of all buildings that fell within the survey limits.

Team: Jean Reulet, III, PLS; Jeremy Cormier, PLS; Anthony Burns, Laramey Leet, Branden Kinnaird

Project Relevance:

- ✓ LADOTD IDIQ Contract
- ✓ Topographic Survey
- ✓ Existing Drainage Map
- ✓ Utility Investigation & Research

Firm name	T. Baker Smith, LLC		Discipline(s)	Other (SUE)	
Project name	Calcasieu River Bridge		Firm responsibility (prime or sub?)	Prime	
Project number	H.003931	Owner's name	Louisiana Department of Transportation and Development (DOTD)		
Project location	Calcasieu Parish, Louisiana		Owner's Project Manager	Kurt Brauner	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225.379.1065; peggy.paine@la.gov				
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost ($1,000's)		$1,830	
Services completed by this firm (mm/yy)	03/24	Cost of consultant services provided by this firm ($1,000's)		$1,830	

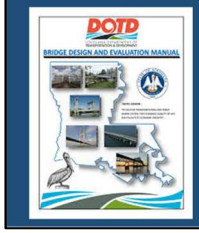
TBS provided Quality Level B and Quality Level A SUE services as well as Utility Coordination during Design for this project along I-10 in Lake Charles, Louisiana. The purpose of the project is to replace the existing I-10 bridge crossing Lake Charles. This is one of the largest SUE projects in the history of LADOTD. There are numerous pipelines throughout the corridor due to the abundance of chemical plants in the area, so determining the location of these pipelines was crucial to the design of the project. Our team had to coordinate continuously with the pipeline owners to perform test holes on these facilities, which slowed down the production rate of the field staff.

The City of Westlake's utilities, such as water, sewer, and gas, proved to be difficult to locate, and the records were outdated and unclear. A combination of designating, test holes, and ingenuity was used to properly map out these utilities. Utility coordination was used to inform the utility companies of the impact the project would have on their facilities. The difficult part of the process was the fact that there wasn't a finished design to determine conflicts. A new process and precedent were set to accomplish the goals posed by LADOTD.

Team: **TJ Stokes, PE; Perry Smith**

18. APPROACH AND METHODOLOGY:

SDR PROJECT HIGHLIGHTS



SDR was honored to be entrusted by LADOTD to develop the Bridge Design and Evaluation Manual (BDEM) and the LG/LU girder standard details.

SDR has decades of experience delivering DOTD IDIQ contracts as a prime consultant, including development of the DOTD BDEM and LG girder design standards. The SDR Team brings significant Bridge Preservation IDIQ experience through successful performance on previous and current DOTD IDIQ contracts. Our collaborative approach emphasizes budget efficiency, responsive project delivery, and practical bridge preservation solutions tailored to DOTD needs.

Leveraging our extensive experience with DOTD and team methodologies developed through prior IDIQ contracts, we consistently deliver projects that comply with DOTD standards. Our rigorous scoping phase and proactive communication establish a clear understanding of project requirements and expectations. In addition, our familiarity with DOTD procedures and established team coordination supports high-quality deliverables and successful project outcomes.

The following table details our subconsultants' expertise and value for this Bridge Preservation IDIQ Contract.

T. Baker Smith	Roadway, Survey, Subsurface Investigation, and Utility Coordination
Neel-Schaffer	Maintenance of Traffic (MOT) and Staging
GSRC	Environmental and Permitting

TEAM AVAILABILITY: The SDR Team, composed of experienced subconsultants familiar with SDR and DOTD, delivers comprehensive expertise across all evaluation categories. As detailed in Section 13, the team has committed substantial staff resources to this IDIQ contract, ensuring effective management of a robust portfolio of concurrent projects spanning all infrastructure and bridge engineering disciplines.

APPROACH TO SCOPE OF SERVICES

1. STRUCTURE ASSET MANAGEMENT PLAN DEVELOPMENT

SDR's Team brings extensive experience to bridge inspections involving short-, medium-, and long-span structures. Our history includes successful bridge inspection IDIQ contracts with DOTD and inspections of major cable-stayed and truss bridges throughout Louisiana. Our inspection methodology is tailored to each bridge's configuration and site conditions, utilizing teams of 2–12 experienced inspectors based on project complexity. Larger teams are organized into specialized groups led by experienced team leaders to ensure efficient project delivery. Our certified inspectors, trained in NHI 130078, thoroughly assess fracture-critical details with particular attention to fatigue-prone areas.

Examples of Recent Complex NBIS Bridge Inspection Projects completed in LA: Gramercy Bridge over Mississippi River, I-20 Vicksburg Bridge over Mississippi River, US 80 Texas Street Bridge over Red River, and US 190 Bridge over Mississippi River

We will develop TMPs for inspection activities, adaptable to traffic and detour needs. These plans include traffic control, detour signage, and public information. We will assess bridge conditions via data analysis, documentation review, and field inspections to identify deficiencies. SDR will provide preservation, rehabilitation, or replacement recommendations, prioritize improvements, and offer planning-level cost estimates for DOTD/PM.

Sampling, Instrumentation, and NDT:

SDR provides comprehensive NDT services, including ultrasonic testing, GPR, and advanced material analysis. We assess concrete and steel reinforcement using techniques such as chloride detection, pulse velocity testing, impact-echo analysis, infrared thermography, and endoscope inspections. We perform field surveys and NDE investigations using digital multi-detectors to determine structural dimensions, configurations, and reinforcement details. In cases where complete construction drawings are unavailable, we will conduct detailed field surveys and minimally invasive investigations to verify structural arrangements and reinforcement conditions.

Non-destructive Bridge Testing:

SDR PROJECT HIGHLIGHTS

SDR has performed load tests on more than 50 bridges across Louisiana. These tests helped avoid unnecessary strengthening and rehabilitation on many bridges, and contributed to defining more realistic and cost-effective rehabilitation scopes.

During the past six years, SDR has successfully performed diagnostic and proof load testing on more than 50 DOTD bridges. This comprehensive work has provided valuable data on the actual capacities of both superstructure and substructure elements. Our approach includes meticulous test plan design, precise instrumentation, rigorous load testing, and the development of detailed finite element models (FEM). Our approach accurately determines the safe load-carrying capacity of each bridge element. This process has consistently led to either increased load ratings or the avoidance of unnecessary load posting restrictions.

Bridge/Structural Evaluation and Load Rating:

SDR has a proven track record of successfully rating more than 1,900 DOTD bridges encompassing a wide range of bridge types. These include concrete slab spans, prestressed concrete girder spans, structural steel girder systems, voided concrete decks, complex steel trusses, cable-stayed bridges, various pile bent types, and concrete hammerhead piers.

Using inspection data, AASHTOWare BrR, FEA, and detailed spreadsheets, we will conduct bridge load rating analyses to identify elements needing rehabilitation. We will prioritize accuracy with on-site observations, supplemented by load testing or advanced analytical methods for precise capacity validation. Deliverables will include comprehensive reports with methodologies, assumptions, rating factors, repair recommendations, preliminary cost estimates, and project schedules to support DOTD's rehabilitation.

2. STRUCTURE PRESERVATION PROJECT DEVELOPMENT

Design and Plan Development:

Preliminary Design: After data collection, we will hold a Pre-Design Conference to analyze data and finalize the Pre-Design Planning Form. This form will formalize design criteria and optimize the design process. We will then review the Project Management Plan (PMP) to establish our design strategy and ensure stakeholder alignment.

To accelerate project delivery, we propose initiating submittals at the 60% stage where possible, with complex projects potentially requiring a 30% submittal. Designs will fully comply with applicable DOTD criteria, including the Greenbook, EDSMS, Minimum Design Guidelines, Complete Streets Initiative, Road Design Manual, DOTD Hydraulics Manual, and CAD standards.

60% design will finalize geometry, clearances, ROW, construction limits, MOT, construction staging, and bridge foundation layouts, plus a preliminary hydraulic design. The traffic management plan will ensure safe and efficient traffic flow, evaluating construction phasing and detours. Bridge plans will detail alignments and clearances, coordinated with relevant agencies. SDR will prepare permits and SWPPP plans by the 100% plan stage.

SDR will participate in a Plan-In-Hand meeting (95% submittal) with the PM, Bridge Design Section, and District for review, comments, etc., before finalizing and submitting the 100% Preliminary Plans. As part of this submittal, we will prepare any required railroad or environmental clearance permits.

Final Plan Development: Upon NTP and environmental clearance, we'll develop Final Plans, including construction sheets, quantities, cost estimates, permits, and design exceptions. We'll collaborate with DOTD for exception approvals and assist DOTD during bidding. If a project benefits from practical designs and design exceptions are necessary, our team's experience collaborating with DOTD will facilitate approvals. We understand the importance of crash modification factors in evaluating the safety impacts of design alternatives when considering a design exception. The SDR Team will collaborate with the DOTD/PM to ensure timely and compliant submittals, culminating in the delivery of 100% complete Final Plans. We will proactively assist the DOTD throughout the bidding process, addressing bidder questions and providing comprehensive bid tabulation analyses.

SDR PROJECT HIGHLIGHTS

SDR performed inspection, load rating, and load testing, and prepared rehabilitation plans for the historic LA182 Bridge over Berwick Bay—as well as many other bridges of similar size—to extend their service lives.

Bridge Rehabilitation/Repair:

For bridge preservation projects, SDR will meticulously adhere to the DOTD BDEM (BDEM), specifically Chapter 6, *Design Policy for Bridge Rehabilitation/Repair Projects*. Our approach to design is a comprehensive, phased process. This process begins with a thorough review of existing project documentation, followed by comprehensive field investigations. Next, we perform detailed bridge evaluations, including load ratings. We then compile a concise yet detailed summary report presenting our evaluation findings and specific recommendations for DOTD review and approval. Following DOTD feedback and approval, SDR will develop a detailed scope of work for the next step.

We will develop comprehensive bridge rehabilitation and repair plans guided by inspection findings and DOTD directives. Our assessment will encompass the analysis of existing repairs, the integration of new structural members, and the implementation of strengthening techniques. Detailed reports, including supporting documentation, will be provided to inform DOTD's decision-making process. We will collaborate closely with the DOTD Project Manager to identify and recommend the most cost-effective and sustainable rehabilitation strategy.

Examples of Design and Rehab Projects completed in LA: US 80 Texas Street over Red River, LA 182 Bridge over Berwick Bay, Hale Boggs Memorial Bridge (Luling), I-10 Bridge over US 165, LA 143 Bayou D'Arbonne, and MacArthur Interchange at US 90 Westbank Expressway

Bridge Replacement:

Our replacement project approach prioritizes minimizing disruption through meticulous consideration of roadway alignments, bridge types, right-of-way needs, utility locations, and the selection of accelerated construction methods. We develop comprehensive traffic control plans for demolition and construction phases, and integrate environmental factor analysis to mitigate potential

impacts. Our primary goals include expediting construction timelines to reduce traffic congestion, streamlining right-of-way acquisition processes, and minimizing environmental consequences.

We will present and discuss viable bridge structure types and construction sequencing options with DOTD during project development. This collaborative approach ensures coordination with DOTD and key stakeholders, facilitating the selection of the most cost-effective structure types for this project.

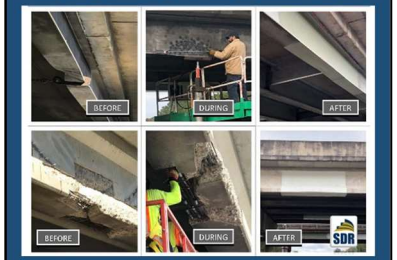
SDR PROJECT HIGHLIGHTS

SDR prepared the plans for the US 90 MacArthur Interchange in just four months, featuring unique U-beam and inverted-T piers with highly complex geometry.

Following final bridge alignment approval, our team – comprised of roadway, environmental, survey, and geotechnical specialists – will immediately commence services. Our approach includes determining the minimum finish grade, optimizing span arrangements to mitigate scour risk, and recommending appropriate foundation types. We will meticulously ensure all span arrangements fully comply with all vertical and horizontal clearance regulations, and we will optimize span lengths and girder shapes for both design efficiency and cost-effectiveness, tailored to the project's specific regional context.

Repair/Rehabilitation and Accelerated Bridge Construction (ABC):

SDR PROJECT HIGHLIGHTS



SDR prepared emergency repair plans for the LA27 Bridge over I-10, utilizing CFRP strengthening for prestressed concrete girders and heat-straightening for steel girders.

The primary challenge in bridge rehabilitation projects is selecting the optimal repair and strengthening methods that minimize traffic disruptions and bridge closure durations. This impact can be further mitigated by strategically choosing bridge elements and employing efficient construction methods. Accelerated Bridge Construction (ABC) techniques should be considered to reduce construction time and minimize public inconvenience. SDR has extensive experience with ABC, including pioneering the use of advanced CFRP in bridge rehabilitation since the early 1990s. We have completed over 120 repair projects utilizing these innovative techniques. One notable example is the rehabilitation of H.013450—LA 27 I-10 Overpass, which involved CFRP repair of concrete elements and the first application of heat straightening of steel beams in Louisiana. Additional relevant projects include H.013378.5—I-10 East at the High-Rise Fire Damage Repair, and H010016—US 11 over Lake Pontchartrain. Each of these projects encompassed comprehensive inspection, rapid assessment, development of detailed rehabilitation plans, and comprehensive construction support.

Emergency Response:

SDR's emergency response plan for inspection and structural damage assessment, developed and refined over two decades, enables rapid bridge assessments. Our engineers utilize proprietary, in-house designed software on laptops for immediate structural analysis and damage assessment resulting from events such as impact, fire, flooding, or other unforeseen circumstances. This rapid assessment capability provides bridge owners with critical information to inform decisions regarding bridge access, including closures or load restrictions to a certain type of vehicle until needed repairs are performed.

Roadway, Surveying, Subsurface Investigations, and Utility Coordination Services:

T. Baker Smith, LLC (TBS) will provide Roadway, Surveying, Subsurface Investigations, and Utility Coordination Services. A Louisiana-based, multidisciplinary firm with over 300 professionals, TBS offers innovative solutions throughout the U.S. Gulf Coast, with a strong reputation for technical proficiency and client partnerships. TBS offers integrated support for transportation and public infrastructure programs, including civil and structural engineering, traffic and roadway design, SUE, environmental permitting, and full-service land and hydrographic surveying, all enhanced by cutting-edge technologies.

Maintenance of Traffic (MOT) and Staging Services:

Neel-Schaffer, Inc. will provide traffic engineering services, utilizing extensive experience in transportation planning, traffic operations, and complex urban bridge projects for DOTD. Services include traffic analysis (mesoscopic modeling, data collection, scenario evaluation using DOTD-approved software), focusing on detour routes, construction staging, and safety to ensure safe and efficient traffic flow.

Environmental and Permitting Services:

GSRC provides comprehensive environmental and permitting services for DOTD projects from initial assessment to final permits, including Corps of Engineers 404/Section 10, water quality, scenic stream, US Coast Guard Bridge, and Levee permits. Their services include expert wetland delineations and protected species surveys, compliant with USACE, USFWS, and DOTD regulations.

Quality Control and Assurance:

SDR will provide the DOTD PM with an internal Quality Assurance/Quality Control (QA/QC) manual, which will serve as the foundation for our

team's quality control and assurance processes for the project. At each submittal, independent QA/QC reviews will be performed by team members not directly involved in the project's development. These reviewers will validate all recommendations, ensuring they are supported by sound engineering judgment.

3. POST-DESIGN CONSTRUCTION SUPPORT SERVICES

Our engineers provide comprehensive post-design construction support services to facilitate efficient project delivery and successful construction execution. Services include shop drawing and material submittal reviews, erection procedure evaluations, responses to RFIs, field issue resolution, and coordination with contractors, fabricators, and LADOTD personnel throughout construction.

To support timely construction progress, our team prioritizes rapid turnaround of RFIs and submittal reviews, helping minimize delays and streamline review cycles. Through responsive communication, technical expertise, and close coordination with project stakeholders, we help maintain contract compliance and promote seamless project execution from design through construction completion.

4. CONTRACT MANAGEMENT

IDIQ Contract: An IDIQ contract defines task orders with scope, budget, and schedule. Task scopes are specific, based on DOTD needs in the RFP, potentially involving multiple service types. Upon task order receipt, SDR reviews data to determine inspection type, access method, bridge type, location, railroad impacts, and urgency, as determined by DOTD. A tentative schedule is developed. Permits and TTC scheduling begin immediately.

Kickoff Meeting

Before the kickoff meeting: 1) coordinate with the DOTD PM regarding the date, time, and required attendees, 2) request and review all available and relevant bridge data, including previous bridge inspection and 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 a clear understanding of the project goals and discuss any DOTD and Parish concerns to be addressed in terms of location, access, and MOT, if required, 2) determine the frequency for coordination progress meetings and develop a line of communication, and 3) discuss and finalize the proposed work plan, QC plan, and work schedule.

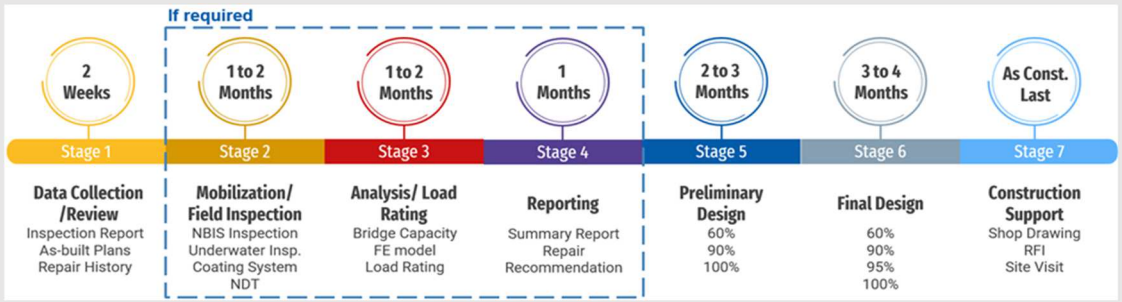
Based on the comments from the kickoff meeting, a refined work plan, task schedule, and QA/QC process plan will be submitted to DOTD PM for approval before starting work on the assigned task.

Project Management

SDR prioritizes effective task order management aligned with DOTD's objectives. Led by Dr. Zhiyong Liang, the Project Manager, our approach ensures meticulous preparation of project elements according to DOTD guidelines. Dr. Liang's IDIQ experience offers proactive management, including frequent check-ins with the DOTD/PM. SDR ensures seamless contract management by collaborating with DOTD PM and subconsultants to define each Task Order's (TO) scope, disciplines, and schedule.

Upon task order initiation, Dr. Liang will collaborate with the DOTD Project Manager to clarify requirements and coordinate subconsultants. This leads to a Project Management Plan (PMP) detailing scope, schedule, design criteria, quality control, risk, and specialized coordination needs. The PMP ensures efficient information gathering and is maintained throughout the project.

SCHEDULES AND DELIVERABLES: Task schedules will vary based on structure type, location, scope, and inclusion schedule. The figure below shows the schedule for a typical Task Order:



19. WORKLOAD:

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
SDR Engineering Inc	Bridge	44-21595, H.009859	Load rating of 300 bridges	$312,256
		44-31060, H.01248	Load rating of 117 bridges (off-system)	$120,392
		44-30996, H.011487	Berwick Bay Bridge Rehab (Construction Support)	$3,836
		44-30996, H.010015	H.010015.5 -LA 143 BAYOU D'ARBONNE BRIDGE	$2,486
		44-30996, H.012028	I-20: LAKE SHORE DRIVE/KCS OVERPASS REHAB (Phase I)	$25,600
		44-27650, H016525	H.016525.5-US 80: MILE CREEK BRIDGE REPAIR	$28,852
Neel-Schaffer, Inc.	Planning	4400010428 S.A. 6, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	$74,567
	Traffic	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	$17,644
	Planning	4400017293, H.010616	I-20: LA 544 Overpass Replacement	$19,695
	Road	440005459, H.004780.5	Kansas Lane Connector, S.A. #6	$552
	ITS	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville, and WBR	$43,269
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	N/A

	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	N/A
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	$87,416
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	$42,783
	Planning	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	$23,473
	Traffic	4400024927, H.015226.5, S.A. #1	US 90: Roundabout at LA 101, S.A. #1	$118,524
	Road	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	N/A
	Traffic	4400025299, H.015645.5	LA 47 Hayne Boulevard Safety Improvements	$44,672
	Traffic	4400025299, H.016168.1	Baton Rouge Northern Bypass Expressway	$195,075
	Traffic	4400024927, H.014366.5	LA 621 Realignment at LA 73 (on hold and should not count as backlog)	$324,142
	Road	4400024927, H.014366.5	LA 621 Realignment at LA 73 (on hold and should not count as backlog)	$66,649
	Traffic	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	N/A
	Traffic	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	$1,696
	Planning	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet (awaiting NTP for design and should not count as backlog)	$118,210
	Road	4400024927, H.009425.5	LA 16: N 2nd St. to E. of Duncan Avenue (on hold and should not count as backlog)	$136,011
	Road	4400025299, H.015986.5	I-49 at LA 3233 (Harry Gilbeau Road) Traffic Study	$33,044

	Traffic	4400023689, H.015574.5	LCG FYA Signal Improvements Phase 2	$196,305
	Traffic	4400031591, H.015574.5	LCG FYA Signal Improvements Phase 2	$240,503
	Road	4400027987, H.015373.1	LRSP and SRTPP Program Management	$431,945
	Other (Program Management)	4400024927, H.016158.5	LA 182: Greenwood St. Overpass (on hold and should not count as backlog)	$10,190
	Road	4400028585, H.014516.5	Mills Ave and Rees St Intersection Imp	$67,988
	Traffic	4400023689, H.015227. S.A. #1	US 61 at Victoria Dr. Ped Crossing, S.A. #1	$3,066
	Traffic	4400029436, H.011504.6	Alexandria Phase 2 Technical Support	$20,844
	ITS	4400029436, H.016447.1	DMS Decom and Updates SEA	$1,734
	ITS	4400029436, H.015136.1	Monroe ITS Architecture	$49,032
	ITS	4400029436, H.013711.1	Northshore Phase 3 ITS Deployment	$111,227
	ITS	4400029436, H.006474.5	Shreveport Immediate ITS Phase 2B	$280,959
	ITS	4400029441, H.011446.6	Mound Rest Area Renovations	$46,645
	CE&I/OV	4400029441, H.015218.5	Grand Prairie Safety Rest Area Lighting	$10,813
	Other (Electrical)	4400029441, T.O. #3	Butte LaRose Rest Area Lighting	$3,407
	Other (Electrical)	4400025299, H.014305.1	US 61: Cardinal Drive to Bert Street	$131,684
	Traffic	4400025299, H.016437.5	US 190: Wooddale to Livingston P/L	$77,728
	Traffic	4400024927, H.015640.5	LA 150 and LA 818: Roundabout	$384,019

	Road	4400025299, TO #7	District 05 Study Reviews	$300,000
	Traffic	H013284	Mississippi River Bridge South Central	$1,400
Gulf South Research Corporation	Environmental	H.013284	Mississippi River Bridge South Central	$1,400
T. Baker Smith, LLC	Bridge	4400025760 / H.011137	I-12: LA 1077 to LA 21 (CE&I)	$427,546
	CE&I/OV	4400031038 / H.015308	I-49: I-10 - St. Landry P/L	$197,203
	CE&I/OV	4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$13,804
	Environmental	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$28,021
	Environmental	4400031920 / H.008069	Peters Road Bridge and Extension (Phase 3)	$180,527
	Environmental	4400013203 / H.001344	US 190: LA 437 to US 190 Bus (Ph 1)	$9,460
	Other (Construction Support)	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$102,090
	Other (Construction Support)	4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$3,988
	Other (Contract Management)	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$22,225
	Other (Contract Management)	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$40,224
	Road	4400024928 / H.015576 (Task Order #1)	LA 447 at LA 1025: Roundabout	$9,521

	Road	4400024928 / H.015587 (Task Order #3)	LA 3211 at Yokley Road Roundabout	$114,621
	Road	4400024298 / H.016095 (Task Order#4)	LA 70 Rehab: Marguerite St to US 90	$7,870
	Road	4400024928 / H.015485 (Task Order #6)	LA 3187: LA 13 - LA 13	$129,892
	Road	4400024928 / H.010795 (Task Order #7)	LA 42: Roundabout at Joe Sevario Road	$81,440
	Road	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$9,236
	Survey	4400021973 / H.011242	LA 384 (Big Lake Rd to McNeese St)	$605,792
	Survey	4400024928 / H.015485	LA 3187: LA 13 - LA 13	$63,857
	Survey	4400031920 / H.008069	Peters Road Bridge and Extension (Phase 3)	$301,303
	Survey	4400021973 / H.011923	Hooper Rd: Roundabout at Sullivan Rd	$113,518
	Survey	4400021973/H.013818	LA 308: B Lafour MB RH(Golden Meadow)(HBI)	$71,368
	Survey	4400025511/H.011242.5	LA 384	$620,767
	Other (SUE)	4400025511/H.010005.5	LA 733 VRMLN R MB RH	$43,841
	Other (SUE)	440002551/H.011923.5	Hooper Rd: Roundabout at Sullivan Rd	$36,523

DO NOT SUM

*** The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.** If a firm has more than one discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousand. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. NOTE: **ALL** FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. CERTIFICATIONS/LICENSES:

Mohsen Shahawy, PhD, PE

Mead & Hunt

In cooperation with the
Louisiana Department of Transportation & Development
presents this

Certificate of attendance and participation for:

Mohsen Shahawy

Training Course:
Maintenance and Rehabilitation of Historic Bridges

Transportation Training and Education Center
4099 Gourrier Avenue, Room 175
Baton Rouge, Louisiana 70808

Please select the date you attended the course:

- ☐ Tuesday, April 12, 2016
- ☐ Wednesday, April 13, 2016
- ☐ Tuesday, May 10, 2016
- ☐ Wednesday, May 11, 2016
- ☑ Tuesday, June 7, 2016
- ☐ Wednesday, June 8, 2016

You have earned 8 PDH units that can be applied to applicable continuing education requirements for professional engineering licensure.

Amy R. Squitieri
Mead & Hunt Instructor
Amy Squitieri

Darrell J. Berry
Mead & Hunt Instructor
Darrell Berry, PE, SE

Zhiyong Liang, PhD, PE

Bridge Inspection Training School

This certifies that

Zhiyong Liang

NM STATE
Bridge Inspection Program

Has completed a Federal Highway Administration (FHWA) approved comprehensive course

May 12-23, 2008

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

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

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

Instructor

Instructor

William Dittrich
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

national highway institute

Certificate of Training

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

Instructor

Allison H. Landry
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

ATSSA
Safer Roads Save Lives

Osama Elsaad

has attended
Louisiana Traffic Control Supervisor

Completed: 26-SEP-2024

CEU (If Applicable): 1.5

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

American Traffic Safety Services Association
ATSSA.com

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

national highway institute

Certificate of Training

FENG XIE

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

Allison H. Landry
Local Coordinator

Instructor

Thomas Harman
Thomas Harman, Director
National Highway Institute

Dishili Young Curry, PE, PTOE NEEL-SCHAFFER

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 10, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 10, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 11, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Dishili Young

has participated in

NHI Course No. 142005 -
NEPA and Transportation Decision Making

hosted by

LA DOTD/LTRC

Date: May 28-30, 2014 *Hours of Instruction:* 18
Location: Baton Rouge, LA

Instructor
Instructor
Local Coordinator
Richard Barnaby, Director
National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Dishili Young
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

9/8/2023 to 9/8/2027
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services
President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Gary LeBlanc, PE NEEL-SCHAFFER

Certificate of Completion

presented to

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 29, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 29, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Jacob Thiaville NEEL-SCHAFFER

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jacob Thiaville

has attended

Traffic Control Technician-LA State Specific

Training Course

5/16/2023 to 5/16/2027
Training Valid Through

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Mai Nguyen, PE NEEL-SCHAFFER

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Mai Nguyen
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

9/8/2023 to 9/8/2027
Training Valid Through

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Certificate of Completion

Mai Nguyen

has successfully completed the following course
OSHA 10 Hour Construction Program

This course is approved for 10 continuing education credit hours.

December 24 2018
Course Completion Date

Course Approval

Victoria Zambito, VP of Product Management

RedVector.com
AIA Registered Provider #J315
FL DBPR Approved Provider #0001771
FBPE Approved Provider #33

RedVector
Leaders in Online Education & Training

Two Urban Centre • 4890 West Kennedy Boulevard Suite 300 • Tampa, FL 33609

John Lindemuth

University of Nevada, Reno
Heritage Resources Management Program

This will verify that

John Lindemuth

has successfully completed

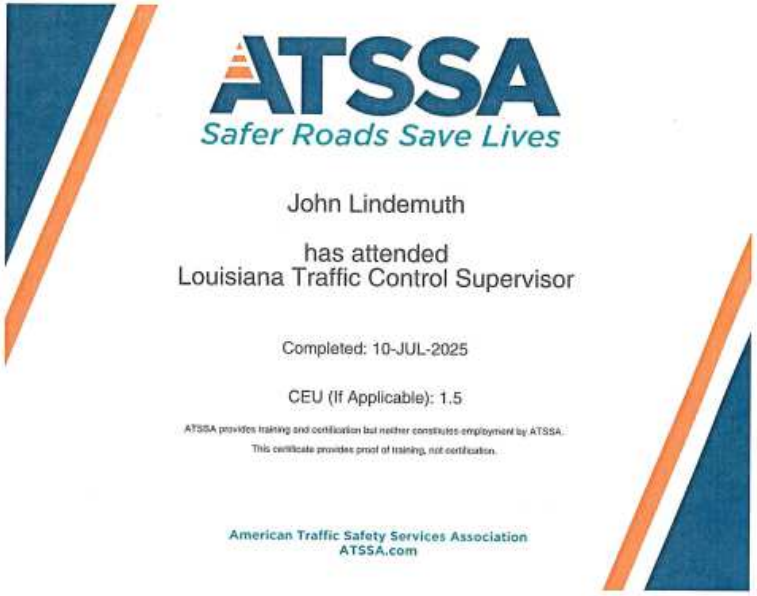
Introduction to Section 106 Review

Phoenix, Arizona
June 18-19, 2002

Associate Vice President & Dean, College of Extended Studies

Instructor

Program Director



ATSSA
Safer Roads Save Lives

John Lindemuth

has attended
Louisiana Traffic Control Supervisor

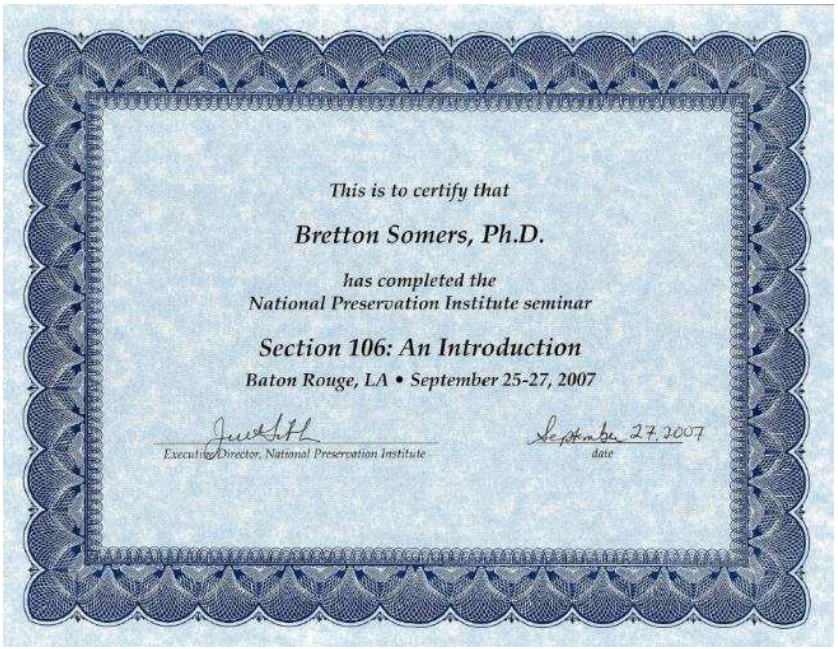
Completed: 10-JUL-2025

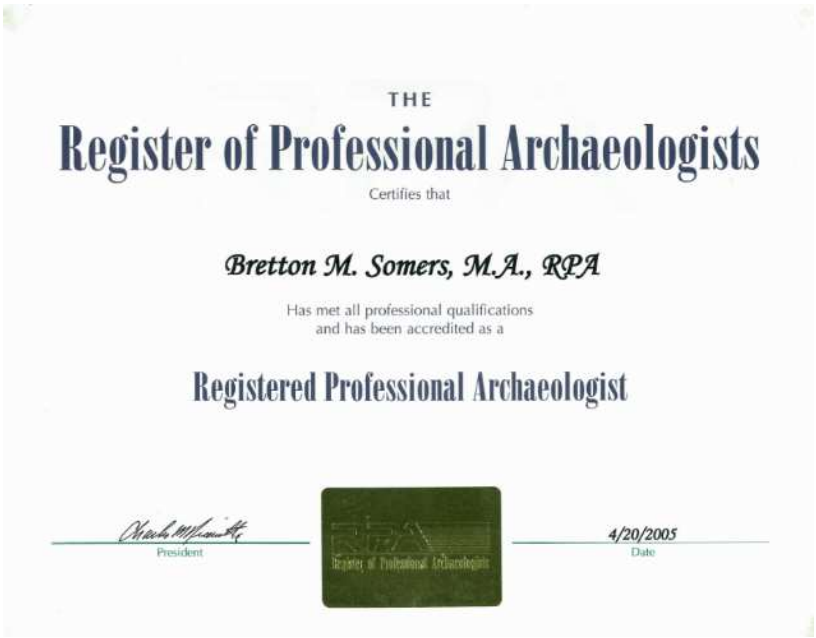
CEU (If Applicable): 1.5

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

American Traffic Safety Services Association
ATSSA.com

Bretton Somers, Ph.D





Paula Roddy

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Gulf South Research Corporation

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

NC541620

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

Certificate Eligibility: June 2025 to June 2026

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

Paula Roddy, Compliance Programs Director

Louisiana Department of Transportation & Development

Allen Fuller

Wetland Training Institute

This certifies that

Allen Fuller

has completed training based in part on the U.S. Army Corps of Engineers Wetland Delineation Manual Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program

Given at Covington, Louisiana

On September 19-23, 20 11

Course Coordinator

Ross Hackbarth

Wetland Training Institute

This certifies that

Ross Hackbarth

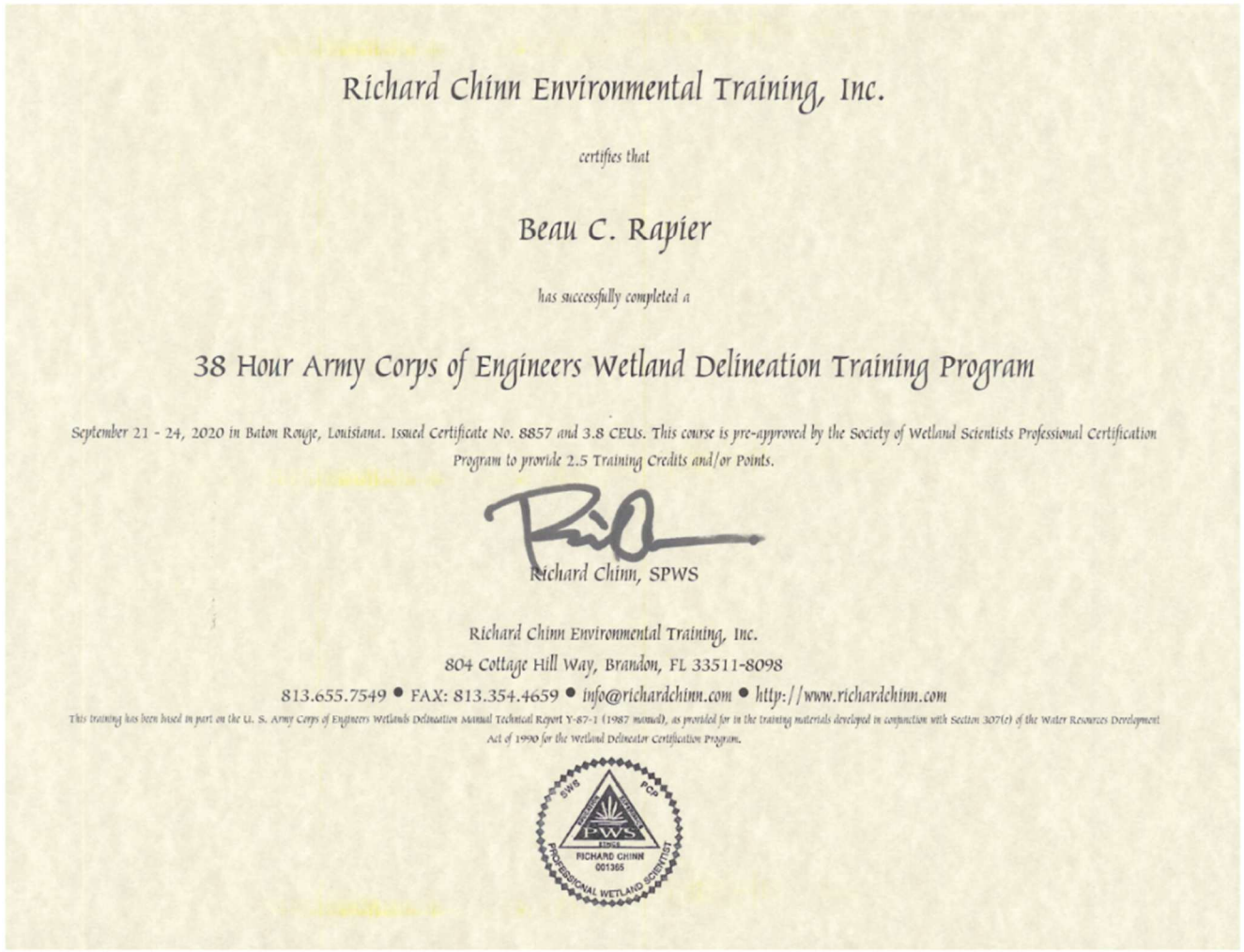
has completed training based in part on the U.S. Army Corps of Engineers Wetland Delineation Manual Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program

Given at Covington, Louisiana

On September 11-15 (40 hours) 20 17

Course Coordinator

Beau Rapier



Richard Chinn Environmental Training, Inc.

certifies that

Beau C. Rapier

has successfully completed a

38 Hour Army Corps of Engineers Wetland Delineation Training Program

September 21 - 24, 2020 in Baton Rouge, Louisiana. Issued Certificate No. 8857 and 3.8 CEUs. This course is pre-approved by the Society of Wetland Scientists Professional Certification Program to provide 2.5 Training Credits and/or Points.

Richard Chinn, SPWS

Richard Chinn Environmental Training, Inc.
804 Cottage Hill Way, Brandon, FL 33511-8098
813.655.7549 • FAX: 813.354.4659 • info@richardchinn.com • http://www.richardchinn.com

This training has been based in part on the U. S. Army Corps of Engineers Wetlands Delineation Manual Technical Report Y-87-1 (1987 manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program.

SWS PWS FOR PROFESSIONAL WETLAND SCIENTIST RICHARD CHINN 001365

Howard Nass

Certificate of Attendance

presented to

Howard Nass

for attending the

National Environmental Policy Act (NEPA) and Transportation decision Making

and for having been awarded 15 Professional Development Hours

April 30 - May 2, 2003	Baton Rouge, LA	Sandra Romero
Date	**Location**	**Authorized By**

LTRC
Louisiana Transportation Research Center

LITHO. IN U.S.A.

Kenneth Belou, PE

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kenneth Belou
has attended
Louisiana Traffic Control Supervisor
Training Course

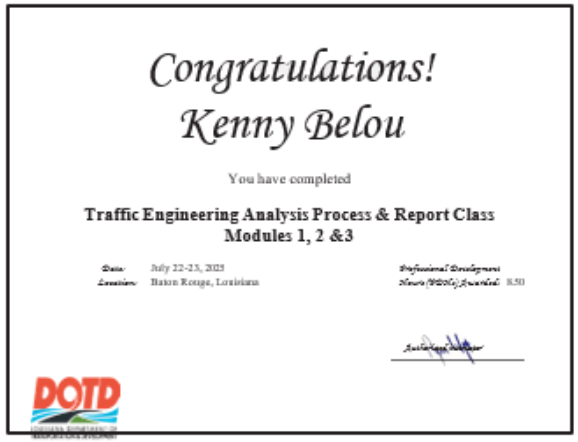
10/18/2023 to 10/18/2027
Training Valid Through

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

ATSSA



Congratulations!
Kenny Belou

You have completed

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

Date: July 22-23, 2025
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH) Awarded: 8.50

DOTD

LOUISIANA STATE CIVIL SERVICE

acknowledges that

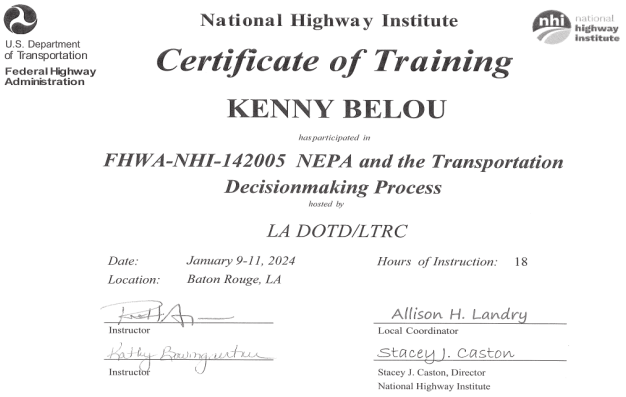
Kenneth Belou

has successfully completed the training course:

CPTP SCS Cybersecurity WBT
on
September 30, 2024

This document is intended to be used solely for the purpose of documenting the individual's completion of SCS's web-based training:
CPTP SCS Cybersecurity WBT

STATECIVILSERVICE



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

KENNY BELOU

has participated in

FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process

hosted by

LA DOTD/LTRC

Date: *January 9-11, 2024* *Hours of Instruction:* 18
Location: *Baton Rouge, LA*

Instructor

Instructor

Allison H. Landry
Local Coordinator

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

Kelly Radecker, PE

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

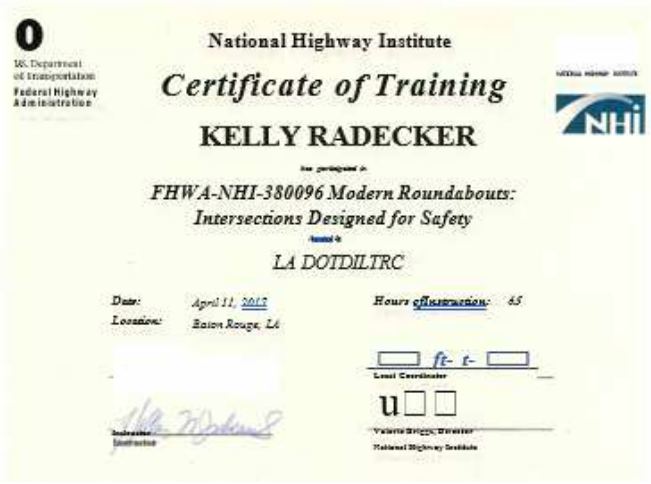
Kelly Radecker
has attended
Traffic Control Supervisor-LA State Specific
Training Course

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

Baton Rouge, LA
Location

Director of Training

President, CEO



National Highway Institute

Certificate of Training

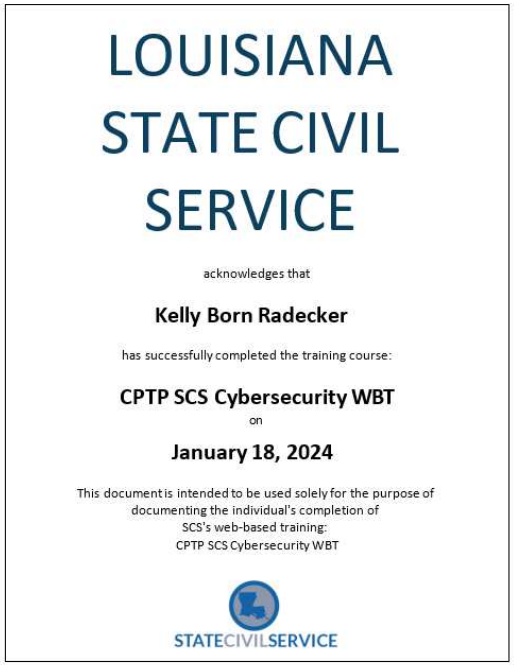
KELLY RADECKER

FHWA-NHI-380096 Modern Roundabouts: Intersections Designed for Safety

LA DOTD/LTRC

Date: April 11, 2012
Location: Baton Rouge, LA

Hours of instruction: 15



LOUISIANA STATE CIVIL SERVICE

acknowledges that

Kelly Born Radecker

has successfully completed the training course:

CPTP SCS Cybersecurity WBT

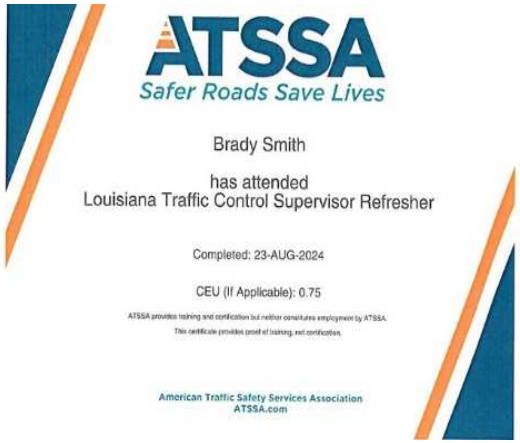
on

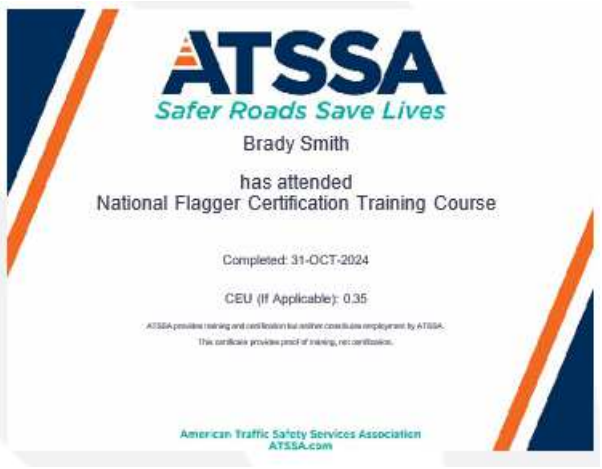
January 18, 2024

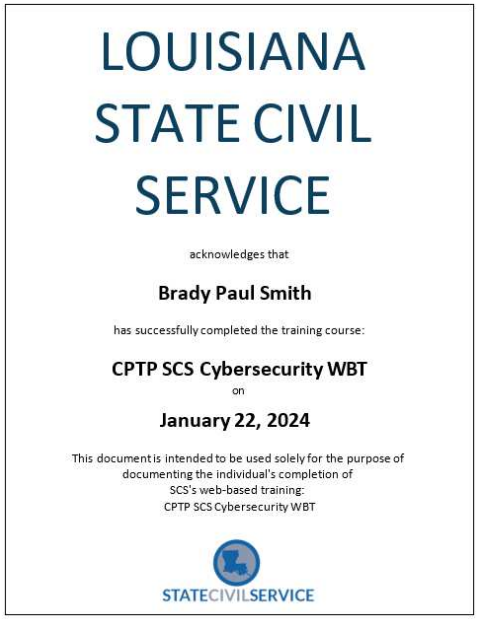
This document is intended to be used solely for the purpose of documenting the individual's completion of SCS's web-based training:
CPTP SCS Cybersecurity WBT

STATECIVILSERVICE

Brady Smith, PE, PMP







Daniel Binet, PE

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Daniel Binet
has attended
Traffic Control Supervisor-LA State Specific
Training Course

2/8/2023 to 2/8/2027
Training Valid Through

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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

American Traffic Safety Services Association ATSSA.com

Certificate of Attendance

Daniel Binet

has participated in

AASHTOWare Bridge Rating Fundamentals Training

hosted by

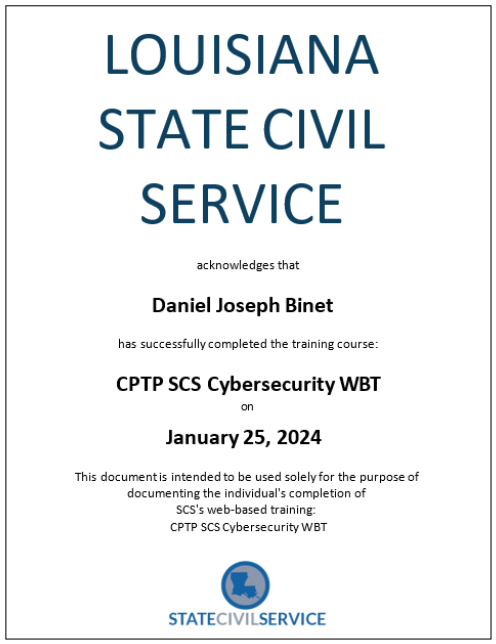
LA DOTD/LTRC

Date: August 1st-2nd, 2017
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 12

Herman Lee, P.E., PMP
Michael Baker International

Michael S. Pichura, P.E.
Michael Baker International



LOUISIANA STATE CIVIL SERVICE

acknowledges that

Daniel Joseph Binet

has successfully completed the training course:

CPTP SCS Cybersecurity WBT
on
January 25, 2024

This document is intended to be used solely for the purpose of documenting the individual's completion of SCS's web-based training:
CPTP SCS Cybersecurity WBT

STATECIVILSERVICE

Jean Reulet, III, PLS

Anthoney Burns

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Anthony M Burns

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

4/29/2022 to 4/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Branden Kinnaird

ATSSA
Safer Roads Save Lives

Contact	City	State	Office Phone	Certification	Beg Date	End Date
Branden Kinnaird	Houma	Louisiana		FLAGGER (Flagger National)	4/13/2026	4/12/2030
Branden Kinnaird	Houma	Louisiana		FLAGGER (Flagger National)	4/13/2026	4/12/2029
Branden Kinnaird	Houma	Louisiana		FLAGGER (Flagger National)	4/13/2026	4/12/2029
Branden Kinnaird	Houma	Louisiana		FLAGGER (Flagger National)	4/13/2026	4/12/2030

Cy Toups

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

CY TOUPS

has participated in

FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process

hosted by

LA DOTD/LTRC

Date: August 10-12, 2022 *Hours of Instruction:* 18

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Cy Toups

has attended

Traffic Control Technician Virtual Training

Training Course

10/2/2023 to 10/2/2027
Training Valid Through

CEU: 0.75

Vice President of Education and Technical Training

Location

President, CEO

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

This certificate provides proof of training, not certification.

ATSSA American Traffic Safety Services Association ATSSA.com

TJ Stokes

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

TJ B Stokes

has attended

Traffic Control Supervisor-LA State Specific

Training Course

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

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Laramey Leet

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Laramey L Leet

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

6/24/2022 to 6/24/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Louisiana Business Filing Record SDR Engineering Inc

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Name	Type	City	Status
SDR ENGINEERING INC	Business Corporation (Non-Louisiana)	TALLAHASSEE	Active

Louisiana Business Filing Record Neel-Schaffer, Inc.

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Name	Type	City	Status
NEEL-SCHAFFER, INC.	Business Corporation (Non-Louisiana)	JACKSON	Active

Louisiana Business Filing Record T. Baker Smith, LLC

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Name	Type	City	Status
T. BAKER SMITH, LLC	Limited Liability Company	HOUMA	Active

Louisiana Business Filing Record Gulf South Research Corporation

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Name	Type	City	Status
GULF SOUTH RESEARCH CORPORATION	Business Corporation	BATON ROUGE	Active

21. QA/QC PLAN:

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

22. SUB-CONSULTANT INFORMATION:

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

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Neel-Schaffer, Inc.	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810	Nick Ferlito, Jr., PE, PTOE nick.ferlito@neel-schaffer.com	225-924-0235
Gulf South Research Corporation	8081 Innovation Park Drive, Baton Rouge, LA 70820	Suna Adam suna@gsrcorp.com	225-757-8088
T. Baker Smith, LLC	6660 Riverside Drive, Suite 101 Metairie, LA 70003	Kenny Belou, PE kenny.belou@tbsmith.com	504-608-2612

23. LOCATION:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the advertisement**.