

Legend

 Study Area

Vegetation Community

 Baldcypress Swamp

 Scrub/Shrub Swamp

 Freshwater Marsh

 Intermediate Marsh

 Mixed Hardwood/Loblolly Forest

 Bottomland Hardwoods

 River/Open Water

 Maintained

40

Feasibility Studies
Completed in 10 Years

64

Parishes Served

700+

Employees Across the
Company

50+

Employees in Louisiana

April 15, 2026

PROPOSAL

Engineering and Related Services

ST. BERNARD LIT CORRIDOR ROUTE: NEW ROADWAY

Contract No 4400035009

State Project No. H.015428.2

Federal Aid Project No. H015428

US 90: Pearl River Bridges
St. Tammany Parish, LA

Project Manager

Kara Moree, CFM

kara.moree@neel-schaffer.com

225.614.2806



The background of the slide is an aerial photograph of a coastal region, likely a marsh or wetland area, showing a network of waterways and land parcels. A diagonal corridor, representing the project area, is highlighted with a thick black line. This corridor is filled with a light blue color, and within it, there are sections of brown and red, indicating different land use or ownership types. The corridor runs from the upper right towards the lower left, passing through the marshland.

Sections 1-9

ST. BERNARD LIT CORRIDOR ROUTE: NEW ROADWAY

Contract No 4400035009

State Project No. H.015428.2

Federal Aid Project No. H015428

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised August 11, 2025)

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

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

1. Contract Name as shown in the advertisement	ST. BERNARD LIT CORRIDOR <i>Route: New Roadway St. Bernard Parish</i>
2. Contract Number(s) as shown in the advertisement	4400035009
3. State Project Number(s) , if shown in the advertisement	H.015428.2
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)	Neel-Schaffer, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is re-quired under Louisiana law)	EF.0001372
6. Prime consultant mailing address	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Kara Moree, CFM <i>Regional Environmental Coordinator</i> Kara.Moree@neel-schaffer.com 225.614.2806
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Nick Ferlito, PE, PTOE <i>Executive Vice President / Louisiana Area Manager</i> nick.ferlito@neel-schaffer.com 225.924.0235



10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, 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, 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.

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.



Signature above shall be the same person listed in Section 9:

Date: **April 8, 2026**

FIRM	FIRM PERCENT
N/A	0%



An aerial photograph of a coastal region, likely a marsh or wetland, with a network of waterways and land parcels. A prominent orange-colored corridor, representing the project area, runs diagonally from the upper right towards the center. The corridor contains a white line, possibly a proposed road or canal. The background is a grayscale aerial image showing the intricate patterns of the landscape.

Sections 12-15

ST. BERNARD LIT CORRIDOR ROUTE: NEW ROADWAY

Contract No 4400035009

State Project No. H.015428.2

Federal Aid Project No. H015428

12. DISCIPLINE TABLE:

Discipline(s)	% of Overall Contract	Neel-Schaffer, Inc.	T. Baker Smith, LLC	Jacobs Engineering Group Inc.	Thompson Engineering Inc. of Louisiana	Ardaman & Associates, Inc.	The Lakvold Group LLC	C&M Associates, Inc. of Texas	The Hawthorne Agency, Inc.	Each Discipline must total to 100%
ENVIRONMENTAL	44%	93%		7%						100%
TRAFFIC	25%	75%						25%		100%
ROAD	6%	60%			40%					100%
BRIDGE	9%	20%	80%							100%
SURVEY	2%		100%							100%
GEOTECH	6%					100%				100%
RIGHT-OF-WAY	1%						100%			100%
OTHER (SUE)	2%		100%							100%
OTHER (PUBLIC OUTREACH)	3%	5%							95%	100%
OTHER (INDEPENDENT CONTRACTOR ESTIMATES)	2%			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%	65.22%	11.20%	5.08%	2.40%	6.00%	1.00%	6.25%	2.85%	



13. FIRM 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)
 Neel-Schaffer, Inc.	Principal	2	2
	Supervisor – Eng	4	16
	Engineer	13	62
	Engineer Intern	2	10
	Planner	1	6
	Environmental Pro	6	6
	Environmental Manager	2	2
	GIS Analyst	2	4
	Geologist	2	3
	Historian	1	1
	Archaeologist	1	1
	Supervisor – Other	1	5
 T. Baker Smith, LLC	Supervisor - Eng	2	6
	Supervisor - Other	1	3
	Engineer	4	6
	Senior Technician	3	8
	Surveyor	3	4
	Environmental Manager	1	2
	Environmental Pro	1	3
 Jacobs Engineering Group Inc.	Other (Cost Estimator)	1	509
	Environmental Pro	1	55
	Environmental Pro	1	38

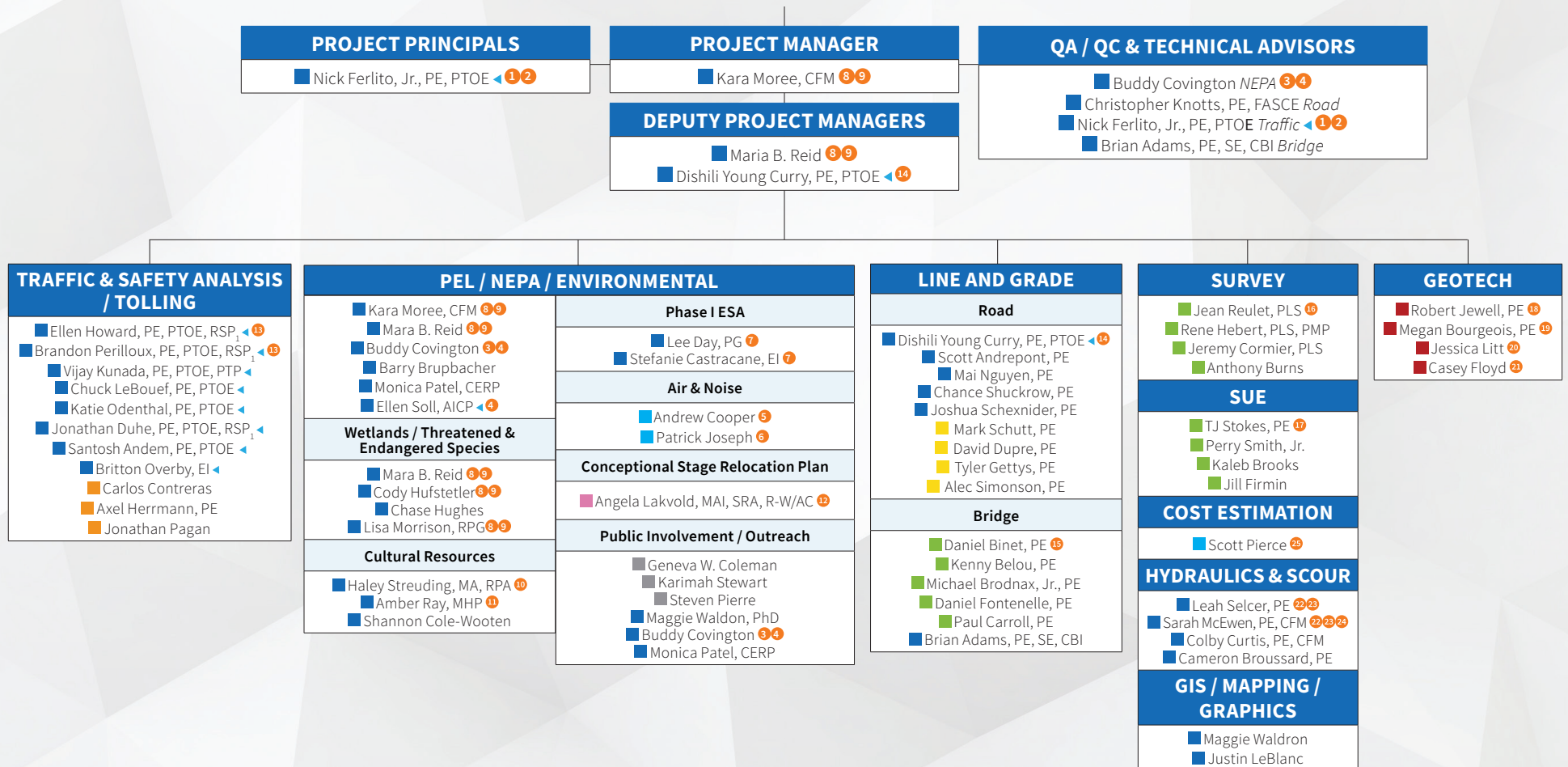
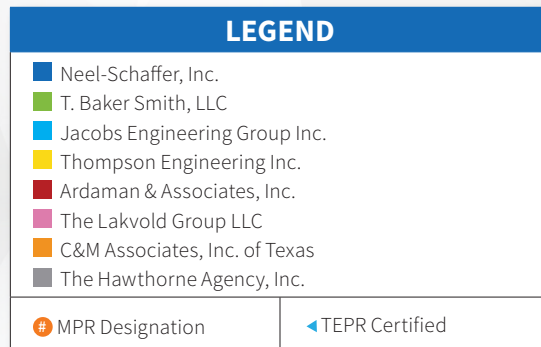


13. FIRM SIZE:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Thompson Engineering Inc. of Louisiana	Engineer	4	80
 Ardaman & Associates, Inc.	Clerical	1	2
	Senior Technician	1	9
	Supervisor - Eng	2	3
The Lakvold Group LLC	Other (Appraiser)	1	1
C&M Associates, Inc. of Texas	Supervisor - Other	3	3
 The Hawthorne Agency, Inc.	Principal	1	1
	Professional	2	2



14. ORGANIZATIONAL CHART:



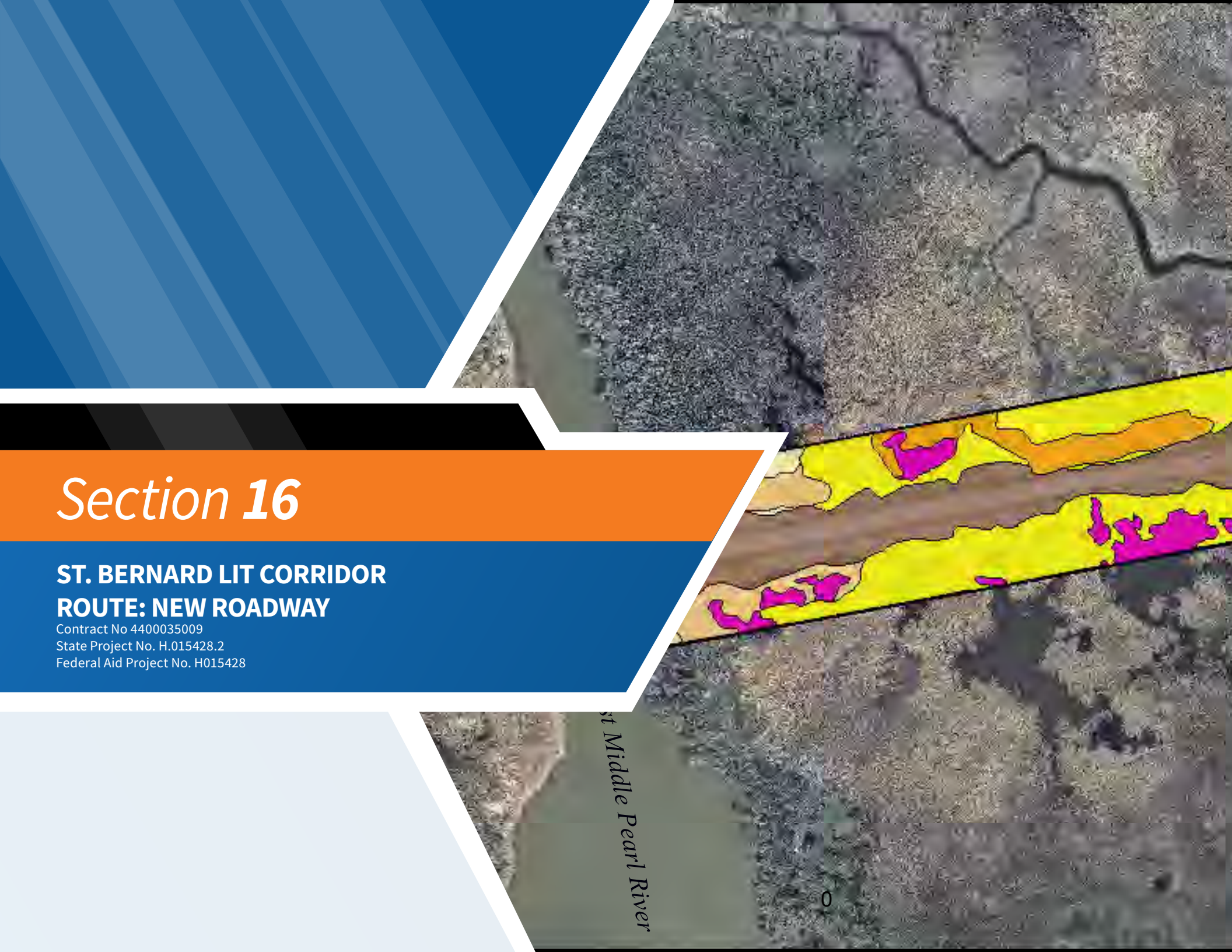
15. MINIMUM PERSONNEL REQUIREMENTS:

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR / certification and number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Nick Ferlito, Jr., PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 - Civil	LA	09/30/2027
2	Nick Ferlito, Jr., PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 - Civil	LA	09/30/2027
3	Buddy Covington	Neel-Schaffer, Inc.	N/A	N/A	N/A
4	Buddy Covington	Neel-Schaffer, Inc.	N/A	N/A	N/A
4	Ellen Soll, AICP	Neel-Schaffer, Inc.	N/A	N/A	N/A
5	Andrew Cooper	Jacobs Engineering Group Inc.	N/A	N/A	N/A
6	Patrick Joseph	Jacobs Engineering Group Inc.	N/A	N/A	N/A
7	Lee Day, PG	Neel-Schaffer, Inc.	N/A	N/A	N/A
7	Stefanie Castracane, EI	Neel-Schaffer, Inc.	EI No. 30464	LA	09/30/2027
8	Kara Moree, CFM	Neel-Schaffer, Inc.	N/A	N/A	N/A
8	Maria B. Reid	Neel-Schaffer, Inc.	N/A	N/A	N/A
8	Cody Hufstetler	Neel-Schaffer, Inc.	N/A	N/A	N/A
8	Lisa Morrison, RPG	Neel-Schaffer, Inc.	N/A	N/A	N/A
9	Kara Moree, CFM	Neel-Schaffer, Inc.	N/A	N/A	N/A
9	Maria B. Reid	Neel-Schaffer, Inc.	N/A	N/A	N/A
9	Cody Hufstetler	Neel-Schaffer, Inc.	N/A	N/A	N/A
9	Lisa Morrison, RPG	Neel-Schaffer, Inc.	N/A	N/A	N/A
10	Haley Streuding, MA, RPA	Neel-Schaffer, Inc.	N/A	N/A	N/A
11	Amber Ray, MHP	Neel-Schaffer, Inc.	N/A	N/A	N/A
12	Angela Lakvold, MAI, SRA, R-W/AC	The Lakvold Group LLC	N/A	N/A	N/A
13	Ellen Howard, PE, PTOE, RSP ₁	Neel-Schaffer, Inc.	PE No. 38207- Civil PTOE No. 3735	LA	03/31/2028 12/09/2028
13	Brandon Perilloux, PE, PTOE, RSP ₁	Neel-Schaffer, Inc.	PE No. 39968 - Civil PTOE No. 4432	LA	03/31/2028 03/18/2027



15. MINIMUM PERSONNEL REQUIREMENTS:

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR / certification and number (Ex: PE # - Civil)	State of license	License / certification expiration date
14	Dishili Young Curry, PE, PTOE	Neel-Schaffer, Inc.	PE No. 33723- Civil	LA	09/30/2026
15	Daniel Binet, PE	T. Baker Smith, LLC	PE No. 42997 - Civil	LA	03/31/2027
16	Jean Reulet, PLS	T. Baker Smith, LLC	PLS No. 5145	LA	03/31/2028
17	TJ Stokes, PE	T. Baker Smith, LLC	PE No. 40079 - Industrial	LA	03/31/2028
18	Robert Jewell, PE	Ardaman & Associates, Inc.	PE No. 38579 - Civil	LA	09/30/2026
19	Megan Bourgeois, PE	Ardaman & Associates, Inc.	PE No. 36725 - Civil	LA	03/31/2028
20	Jessica Litt	Ardaman & Associates, Inc.	N/A	N/A	N/A
21	Casey Floyd	Ardaman & Associates, Inc.	N/A	N/A	N/A
22	Leah Selcer, PE	Neel-Schaffer, Inc.	PE No. 43492 - Civil	LA	09/30/2027
22	Sarah McEwen, PE, CFM	Neel-Schaffer, Inc.	PE No. 42539 - Civil	LA	09/30/2026
23	Leah Selcer, PE	Neel-Schaffer, Inc.	PE No. 43492 - Civil	LA	09/30/2027
23	Sarah McEwen, PE, CFM	Neel-Schaffer, Inc.	PE No. 42539 - Civil	LA	09/30/2026
24	Sarah McEwen, PE, CFM	Neel-Schaffer, Inc.	PE No. 42539 - Civil CFM No. US-14-07857	LA N/A	09/30/2026 01/31/2027
25	Scott Pierce	Jacobs Engineering Group Inc.	N/A	N/A	N/A



Section 16

ST. BERNARD LIT CORRIDOR ROUTE: NEW ROADWAY

Contract No 4400035009

State Project No. H.015428.2

Federal Aid Project No. H015428

st Middle Pearl River

16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Nick Ferlito, Jr., PE, PTOE		Years of relevant experience with this employer	29
	Title	Executive Vice President / Louisiana Area Manager		Years of relevant experience with other employer(s)	3
	Degree(s) / Years / Specialization		BS / 1993 / Civil Engineering; MS / 1996 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 28001 / LA / 09-30-2027; PTOE No. 930		
	Year registered	1998	Discipline	Civil	
	Contract role(s) / brief description of responsibilities		Principal MPRs 1 & 2		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/25 – Ongoing	CP No. 21-TS-HC-0006 Flashing Yellow Arrow Installations, Baton Rouge, LA: NSI performed construction services in support of the City of Baton Rouge flashing yellow arrow installations. The CEI services included assisting DOTD in the developing and processing the sampling plan with the contractor; facilitating the review and approval of signal equipment submittals; providing day to day resident project representation that monitored the contractor’s progress and measurement of pay items installed; completing daily field reports in Site Manager; conducting monthly progress meetings; reviewing monthly pay estimates; prepared change orders; preparing close out documents include 2059 document and facilitating the completion of as built plans.				
10/06 – 12/1/08	CP No. 01-TS-US-0005 Baton Rouge Computerized Signalization, Phase IV: Performed traffic engineering, signal design and construction services in support of the City of Baton Rouge computerized signalization. Phase IV included 21 intersections along Florida Boulevard, Goodwood Boulevard and Acadian Thruway. CEI services included assisting DOTD in the developing and processing the sampling plan with the contractor; facilitating the review and approval of signal equipment submittals; providing day to day resident project representation that monitored the contractor’s progress and measurement of pay items installed; completing daily field reports in Site Manager; conducting monthly progress meetings; reviewing monthly pay estimates; prepared change orders; preparing close out documents include 2059 document and facilitating the completion of as built plans.				
08/12 – 05/14	CP No. 03-TS-CI-0026 Jefferson Highway Traffic Signal Upgrades, Baton Rouge, LA: Project Manager for the construction services in support of signal upgrades at eleven intersections along Jefferson Highway. CEI services included facilitating the review and approval of signal equipment submittals; providing day to day resident project representation that monitored the contractor’s progress and measurement of pay items installed; completing daily field reports; conducting monthly progress meetings; reviewing monthly pay estimates; prepared change orders; preparing close out documents and facilitating the completion of as built plans.				
11/12 – 03/15	CP No. 01-TS-US-0005 Baton Rouge Computerized Signalization, Phase VA, Baton Rouge, LA: NSI performed traffic engineering, signal design and construction services in support of the City of Baton Rouge computerized signalization. Phase VA included 23 intersections along Government Street and N. Foster Drive. The CEI services included assisting DOTD in the developing and processing the sampling plan with the contractor; facilitating the review and approval of signal equipment submittals; providing day to day resident project representation that monitored the contractor’s progress and measurement of pay items installed; completing daily field reports in Site Manager; conducting monthly progress meetings; reviewing monthly pay estimates; prepared change orders; preparing close out documents include 2059 document and facilitating the completion of as built plans.				
01/20 – Ongoing	H.010616 I-20: LA 544 Overpass Replacement: TMP and traffic analysis QA/QC. Preliminary and final design services for this project which 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 & partially on bridge. Includes a level 2 TMP				
02/15 – 12/17	H.011401.1 US 51 (W University to I-55) Corridor Study: Includes analysis of eight roundabout geometry intersections. Traffic Engineer assisted with Corridor Operational Analyses				



01/15 – 06/15	H.011645.1 LA 3002, 16 & 1034 Corridor Study Phase 2: Traffic Engineer responsible for data collection and traffic signal analysis.
01/14 – 03/16	H.011160.1 LA 73 Corridor Study (LA 74 to LA 621) Stage 0 Feasibility Study: Traffic Engineer responsible for data collection, warrant analysis, corridor operational analyses (Synchro and Sidra), Stage 0 traffic report preparation
01/14 – 12/16	H.010572.1 LA 30 Stage 0 Traffic & Safety Study, Gonzales, LA: Traffic Engineer responsible for data collection, corridor traffic operational analysis (Synchro and Sidra), calibrated Vissim modeling, Stage 0 Traffic Report
01/11 – 01/14	H.005158.2 LA 447 Corridor Study (LA 16 to US 190), Walker, LA: Project Manager for a traffic study to evaluate corridor improvements along LA 447 as well as interchange concepts at I-12. A TIER analysis was performed at the interchange of I-12 at LA 447 to evaluate various interchange configurations. The corridor analysis included HCS and Vissim analysis to evaluate RCUT and roundabout corridor concepts. Includes multilane roundabouts
07/16 – Ongoing	H.011235 I-49 South at Verot School Road, Lafayette, LA: Performed Traffic QA/QC on the preparation of a Level 3 TMP and design of temporary and permanent traffic signals. Includes a multilane Roundabout
02/24 – Ongoing	H.013897 I-10 & I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA: Project Manager for Interchange Modification Report, TMP, and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with DOTD's TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) for evaluating various MOT strategies.
08/20 – Ongoing	H.013622 College Drive Enhancement Project (Perkins Road to I-10), Baton Rouge, LA: Project Manager for the Traffic Study component for the study of the College Drive corridor. The Traffic Study is being prepared in accordance with DOTD's TEPR and includes performing all analysis in Vissim to evaluate various alternatives. In addition to corridor improvements, a tiered analysis will be performed to evaluate various interchange alternatives for I-10 at College Drive.
12/19 – Ongoing	H.014044.1 US 80 Feasibility Study, Haughton, LA: Project Manager for the preparation of a Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR.
06/17 – 09/18	I-10 New Orleans Master Plan, Port Access Improvements: Created a plan or a program of projects which mitigates the severe congestion extending from Interstate 10 at its interchange with the Pontchartrain Expressway (US 90B / I-910) to the Crescent City Connection (CCC) crossing of the Mississippi River, including connecting ramps and roadways. Project Manager. Includes roundabout alternatives.
11/16 – 08/19	H.012685.1 LA 385 Feasibility Study, Lake Charles, LA: Project Manager for the Stage 0 Report in support of safety and traffic operational improvements along with the LA 385 (Ryan Street) corridor between LA 3186 south of I-10 to Eddy Street north of I-10, including the LA 385 interchange with I-10. Includes Multilane Roundabouts
02/16 – 04/18	No. H.011618.1 LA 22 Corridor Study, Rou Mar Nei Drive to 1st Street, Ponchatoula, LA: Project Manager for a traffic study to evaluate corridor improvements along LA 22 as well as interchange concepts at I-55. A TIER analysis was performed at the interchange of I-55 at LA 22 to evaluate various interchange configurations. The corridor analysis included HCS analysis to evaluate RCUT and roundabout corridor concepts.
Career History	Nick joined Neel-Schaffer in 1996. He is an Executive Vice President and serves as Louisiana Area Manager, overseeing all responsibilities for the state. He has more than 30 years of experience managing a wide range of traffic and transportation projects. He has served as a project manager for many intersection/corridor signal timing studies, signal design projects, safety studies and other traffic engineering related projects for public and private projects. Nick is experienced with numerous traffic engineering software packages, including HCS, CORSIM, SYNCHRO, Tru-Traffic (TSPDraft), and SIDRA. He also completed the Naztec TS1/TS2 Controller 2-Day training course. He has also completed the NEPA and Transportation Decision Making course (2004), the Highway Safety Manual Workshop (2011) as well as LADOTD's Traffic Engineering Process and Report (TEPR) training. He has also served as the project manager and lead traffic engineering for the following IDIQ contracts with Louisiana Department of Transportation and Development: IDIQ for Roadway Design; IDIQ Contract 44-01583 for Safety Studies Statewide; IDIQ Contract 44-04402 for Safety Studies Statewide; IDIQ Contract 44-10504 for Safety Studies Statewide; IDIQ Contract 44-08851 for Traffic Signal Engineering; IDIQ Contract 44-04712 for Traffic Engineering; IDIQ Contract 44-04064 for Traffic Engineering; IDIQ Contract 44-01777 Signal Timing Studies; IDIQ Contract 44-04712 Traffic Signal Engineering.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Kara Moree, CFM			Years of experience with this firm/employer	1
	Title	Regional Environmental Coordinator			Years of experience with other firm(s)/employer(s)	19
	Degree(s) / Years / Specialization			BS / 2005 / Resource Biology & Biodiversity		
	Active registration number / state / expiration date			ASFPM US-06-02202 / LA		
	Year registered	2006	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Project Manager MPRs 8 & 9		
Experience dates (mm/yy-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).					
08/20 – 04/25	S.P. H.013284: Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA: Project Manager and NEPA Specialist on the Enhanced Planning Study and Environmental Assessment for a proposed new bridge crossing of the Mississippi River for the purposes of providing transportation system redundancy and additional capacity across the Mississippi River and alleviating traffic congestion in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new “south” Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 with a connection to Interstate 10 on the west side of the Mississippi River and to LA 30 (and widening of, LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls. This project required an elevated level of public involvement, including quarterly updates to the Capital Area Road and Bridge District (CARB-D), a commission comprised of Parish Presidents from Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge parishes, the Secretary of LA DOTD, and a commission chairman appointed by the Governor.					
08/24 – Ongoing	LADOTD SP No.H.003931 I-10 Calcasieu River Bridge P3 Project, Lake Charles, LA: Environmental Compliance Manager (ECM) for the Design Build Contractor (Louisiana Bridge Builders). Tasks include the management and guidance of the environmental permitting and compliance commitments for the project in accordance with NEPA standards. Acts as a liaison between the design team, environmental permitting team and all agencies involved in the permitting process. Providing guidance to LBB and assisting in decision making are key to the job duties as well as preparing all associated Environmental Plans such as a Comprehensive Environmental Protection Plan and a Hazardous Materials Management Plan.					
05/13 – 08/19 08/19 – 08/20	Environmental Impact Statement (EIS) for Houma-Thibodaux to I-10 Connection – North-South Corridor/Hurricane Evacuation, LADOTD SP No. 700-99-0302: Project Manager. Ms. Moree assisted with providing environmental studies and NEPA documentation related to addressing alternative courses of action for the development of a north-south hurricane evacuation route and suitable mitigation plans for all alternatives, including the preferred alternative. Ms. Moree was responsible for providing various sections of the EIS, such as noise, vegetation and habitat, agriculture and farmland, threatened and endangered species, essential fish habitat, water quality, wild and scenic rivers, wetlands, and permits and mitigation. A preliminary Draft EIS document was recently reviewed by LADOTD.					
01/17 – 08/18	Stage 1 Environmental Assessment for LA 447 Corridor Study, LADOTD SP No. H.005734, Walker, LA: Project Manager. Ms. Moree assisted in providing environmental studies, NEPA documentation, public, agency, and stakeholder meeting coordination. Ms. Moree performed wetland delineations and oversaw all aspects of the environmental portion of the project. Ms. Moree organized and conducted the kick-off meeting, scoping meeting, stakeholder meeting, and public meeting and assisted with data collection, schedule preparation, project work plan development and other project initiation activities. She completed the draft SOV and has received approval from FHWA for the logical termini. She oversaw the Phase 1, noise, air and other environmental tasks.					

09/18 – 09/20	US 84 Improvements Environmental Assessment, Winnfield, LA, LADOTD: Project Manager. Ms. Moree oversaw all aspects of NEPA compliance for a supplemental agreement for this EA in support of the traffic analysis required when BH performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies. Public outreach, stakeholders, and agencies meetings were held by BH in order to obtain comments on the proposed build alternatives. A combination of nine build alternatives were developed with roundabouts, access management, and widening.
03/14 – 12/16	Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44), Ascension Parish, LADOTD, SP No. H.010572.1: Environmental Project Manager responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations for evaluating alternatives to improve the mobility of the corridor. Additional duties included identifying wetlands and preparing mitigation cost tables, stakeholder/public meetings, as well as creating Environmental Avoidance mapping using GIS.
05/15 – 01/17	Stage 0 Feasibility Study LA 328 (Latiolais Drive to Julie Street), LADOTD SP No. H.011279.1: Environmental Project Manager responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations.
02/15 – 01/17	Stage 0 Feasibility Study and Environmental Inventory for LA 384 (Big Lake Road to McNeese Street), Calcasieu Parish, LADOTD, SP No. H.011242.1: Ms. Moree served as the Environmental Project Manager responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations for evaluating alternatives to improve the mobility of the corridor. Additional duties include identifying wetlands, stakeholder/public meetings, and preparing mitigation cost tables as well as creating Environmental Avoidance mapping using GIS.
09/10 – 03/11	I-12 Corridor Study (Stage 0 Feasibility and Environmental Inventory), LADOTD, SP No. 700-90-0019: Environmental Professional for a 70-mile interstate widening study. Project responsibilities included all aspects of the Environmental Inventory process such as identifying any potential “show stopping” environmental constraints, identifying wetland sand avoidance, GIS mapping, stakeholder/public meetings, and ensuring compliance with NEPA.
12/19 – 08/20	LA 429 at I-10 Connector (LA 30/LA 73) Stage 0 Feasibility Study, Gonzales, LA, LADOTD: Project Manager. Ms. Moree oversaw the safety analysis of both the corridors and the interchanges and coordinated with the traffic engineering consultant in the development of the alternatives, preparation of the schematic design of alternatives, preparation of cost analysis for five alternatives, and evaluation environmental and right-of-way impacts.
03/13 – 03/14	S.P. No. H.010571.1: Stage 0 Feasibility Study and Environmental Inventory for LA 70 Bypass in Assumption Parish for LA DOTD: Ms. Moree is currently serving as the Environmental Professional responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations for an emergency bypass route as well as a permanent bypass alternative for LA 70 in response to the current Sinkhole situation of the area. Duties also include identifying wetlands and preparing mitigation cost tables as well as creating Environmental Avoidance mapping through the use of GIS. She will also be performing some Project Manager responsibilities such as coordinating meetings and coordination of the Project Team.
Certificates & Training	NEPA and Transportation Decision Making Process, FHWA-NHI-142005GDOT Plan Development Process Wetland Basic Wetland Delineation
Career History	Ms. Moree is a Certified Floodplain Manager with over 20 years of environmental, planning and project management experience, with concentration on NEPA compliance, environmental documentation, permitting, stormwater, roadway and drainage projects. Ms. Moree has a wide range of experience in roadway projects, including direct responsibility for environmental inventory, feasibility studies, NEPA documentation, community and stakeholder engagement, wetland delineations, and permitting. Through previous employment with federal and local governments as well as with the private sector, she has provided technical assistance to various federal, state, and local agencies regarding environmental laws, regulations and executive orders and has done extensive public outreach activities, especially during her employment with the Environmental and Historic Preservation Group of the Federal Emergency Management Agency (FEMA).



12. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.					
Name	Maria B. Reid			Years of relevant experience with this employer	1
Title	Deputy Project Manager			Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization			BS / 1998 / Forest Management and Wildlife; MS / 2000 / Agribusiness and Agricultural Economics - Natural Resource Policy and Environmental Management and Planning		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Deputy Project Manager MPRs 8 & 9		
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).					
S.P. H.013284: Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA: Deputy Project Manager and NEPA Specialist – Maria served as Deputy Project Manager and Environmental/NEPA Specialist on the Enhanced Planning Study and Environmental Assessment for a proposed new bridge crossing of the Mississippi River for the purposes of providing transportation system redundancy and additional capacity across the Mississippi River and alleviating traffic congestion in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new “south” Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 with a connection to Interstate 10 on the west side of the Mississippi River and to LA 30 (and widening of, LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls. This project required an elevated level of public involvement which included quarterly updates to the Capital Area Road and Bridge District (CARB-D). CARB-D is a commission made up of Parish Presidents from Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge parishes, the Secretary of LA DOTD, and a commission chairman appointed by the Governor. CARB-D meetings are considered open to the public and are streamed through the Louisiana State Senate’s website (senate.la.gov/video_archive). The Enhanced Planning Study was completed and the documentation produced was accepted by FHWA Louisiana in December 2023 as the first approved Planning and Environmental Linkage (PEL) document in Louisiana. NEPA phase field studies were started in 2024. Anticipate NEPA initiation in Spring 2025.					
S.P. H.003931: I-10 Calcasieu River Bridge Public-Private Partnership Project, Cities of Lake Charles and Westlake, Calcasieu Parish, LA. Louisiana Bridge Builders (LBB), the constructor partner for the project, contracted with Atlas Technical Consultants to provide Environmental Compliance services to meet the technical requirements of key personnel, i.e., the Environmental Compliance Manager (ECM). Ms. Reid provided the management and guidance of the environmental permitting and compliance commitments for the project in accordance with NEPA standards. Acted as a liaison between the design team, environmental permitting team, and all agencies involved in the permitting process. Provided guidance to LBB and assisted in decision-making. Prepared the Comprehensive Environmental Protection Plan, the Hazardous Materials Management Plan, and assisted with the Health and Safety Plan.					
Environmental Impact Manager, Louisiana Department of Transportation and Development, Baton Rouge, LA: The DOTD Environmental Section evaluates the environmental consequences of each DOTD project on the natural and human environment and promotes compatible solutions in serving the transportation needs of Louisiana. As Environmental Impact Manager, Ms. Reid supported that role by: Managing staff workload, evaluating job performance, reviewing staff work, and counseling employees; Managing in-house, in-depth analyses, research and field investigations on cultural and natural resource issues; Researching, writing, and publishing of detailed reports including EISs, EAs, BAs, wetland delineations, and habitat evaluations (including monitoring of sensitive species); Conducting public involvement events, answering questions from the public and other interested parties; Representing DOTD at interagency meetings with Federal, state and local agencies to coordinate and facilitate discussions on project proposals, project impacts, and permit and mitigation requirements; Acting as a representative of DOTD at meetings with elected officials, business groups, citizen groups, educational forums, and the affected public to provide information on specialized topics; and Initiating, negotiating, and managing contractual agreements with other local, state, and federal agencies, and consulting firms.					



09/13 – 02/17	LA 427 (Perkins Road): Siegen Lane – Highland Road (Environmental Assessment, H.002344). This project would widen Perkins road from a two-lane roadway with poor level of service to a four-lane divided roadway with improved level of service with implementation of access management. The project was proposed as part of the Road Transfer Program and Mayor Holden's Green Light Program. The EA and line and grade-level design were prepared by consultants; however, Ms. Reid was involved in project decisions including: extension of the project termini (extension from Pecue to Highland in September 2014); additional noise studies with homeowner association outreach in 2016; EA and technical report review, comment, and submittal to FHWA. FHWA signed the Finding of No Significant Impact on February 9, 2017.
12/14 – 09/17	Interstate 10 Widening: I-49 eastward to Atchafalaya Floodway Bridge (Categorical Exclusions, H.003003, H.010601, H.003014). This project was completed on an accelerated schedule in order to qualify for FASTLANE Grant funding. Each of the three sections were processed using Categorical Exclusions: 1) I-49 to LA 328, 2) LA 328 to LA 347, and 3) LA 347 to Atchafalaya Floodway Bridge. As the Environmental Coordinator, Ms. Reid prepared each Categorical Exclusion which required public outreach including solicitation of views and public meetings. The Categorical Exclusions were approved May 29, 2015 (H.003003), February 18, 2016 (H.003014), and anticipated approval of September 16, 2017 (H.010601).
05/13 – 01/17	Environmental Impact Statement (EIS) for Houma-Thibodaux to I-10 Connection – North-South Corridor/Hurricane Evacuation, LADOTD SP No. 700-99-0302: DOTD Project Manager. Ms. Reid coordinated project deliverables with task leads at DOTD for timely review and comments for consultant team. She actively participated in project discussions regarding limiting project scope for budget purposes. She reviewed NEPA documentation and provided comments on the revised draft EIS and guidance regarding EIS process and corridor preservation. This project proposed the development of a north-south hurricane evacuation route between Houma, Thibodaux, and LA 3127 in Vacherie.
03/09 – 08/13	Stage 1 Environmental Assessment for LA 447 Corridor Study, LADOTD SP No. H.005734, Walker, LA: DOTD Environmental Task Manager. Ms. Reid reviewed and provided comments on environmental studies, NEPA documentation, public, agency, and stakeholder meeting coordination. Ms. Reid attended public meetings and hearings in support of the project.
05/10 – 05/17	US 190 (Collins Boulevard) Widening (LA 25 to US 190 Business) (Environmental Assessment, H.004987), St. Tammany Parish, LA: In May 2010, DOTD and the New Orleans Regional Planning Commission proposed to improve traffic capacity along a portion of US 190 (Collins Boulevard) between LA 25 and US 190 Business in Covington, LA. In 2012, a preliminary draft EA recommended widening the roadway to four travel lanes separated by a median; a four-lane bridge across the Bogue Falaya River; and roundabouts at the Collins Boulevard intersections with Columbia Street and LA 437 (Lee Road) and at the US 190 Business intersections with E. Boston Street and Military Road. Based on an updated traffic corridor study completed in 2013, DOTD and the RPC revised the proposed improvements with the purpose of further reducing traffic delays and improving capacity along the project corridor. The engineering design and EA were prepared by consultants. As the Environmental Task Manager for DOTD, Ms. Reid was involved in project decisions including: EA and technical report review, comment, and submittal to FHWA; planning for public outreach meetings and hearings; and adjacent landowner coordination for right-of-way encroachment issues. FHWA signed the Finding of No Significant Impact on May 30, 2017.
Certificates & Training	NEPA and Transportation Decision Making Process, FHWA-NHI-142005GDOT Plan Development Process Wetland Basic Wetland Delineation
Career History	Ms. Reid has over 25 years of experience in environmental and regulatory compliance in both the private and public sectors. She has managed, planned, and participated in projects requiring protected species surveys, general wildlife inventories, forest inventories, biological assessments (BAs), wetland delineations and permitting, categorical exclusions, environmental assessments (EAs), and environmental impact statements (EIS) in Louisiana, Mississippi, Alabama, Michigan, New York, Georgia, Tennessee, Florida, Arkansas, Texas, California, New Mexico, and Arizona, as well as numerous wetland delineations in Louisiana, Mississippi, Alabama, and Florida. Ms. Reid worked with Federal and state government clients including U.S. Department of the Army, Department of the Navy, Department of Homeland Security, Customs and Border Protection, U.S. Army Corps of Engineers, U.S. Forest Service, and Louisiana Department of Transportation and Development. Ms. Reid has completed the NEPA and Transportation Decision Making course (2014).



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Dishili Young Curry, PE, PTOE			Years of experience with this firm/employer	7
	Title	Vice President / Engineering Manager			Years of experience with other firm(s)/employer(s)	15
	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		
	Contract role(s) / brief description of responsibilities			Deputy Project Manager MPR 14		
Experience dates (mm/yy-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).					
06/14 - 12/16	S.P. No. H.010572.1: Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44) in Ascension Parish for LADOTD: Mrs. Curry served as Project Manager and Project Engineer. She assisted in the completion of conceptual horizontal alignments for approximately 20 interchanges during the Tier 1 interchange analysis. Interchanges included DDI, Roundabouts, partial and full cloverleaf’s, SPUI, directional interchanges and diamond interchanges. These interchanges were evaluated utilizing a matrix comparison of ROW, Cost, Traffic Operations, Environmental and Social impacts. She has also assisted with design criteria, cost estimates and the Checklist for Short term and long term improvements. Mrs. Curry also assisted with the geometric layout (horizontal and vertical alignments) for the three recommended interchanges for Tier 2 which include the DDI, double roundabout and conventional diamond interchange. Mrs. Curry assisted with the Stage 0 report, interchange Tier 1 analysis report and public outreach activities (including 15 stakeholder meetings and 2 public meetings) which were completed in accordance with NEPA.					
03/13 - 03/14	S.P. No. H.010571.1: Stage 0 Feasibility Study and Environmental Inventory for LA 70 Bypass in Assumption Parish for LA DOTD: This project considered the feasibility of constructing an emergency route as well as a permanent bypass for LA 70. This study also considered the relocation of utilities, analysis of the existing detour routes for conformance with design criteria. Mrs. Curry served as the Project Manager and Engineering Professional responsible for performing the Feasibility Study which included the determination of design criteria, establishment of typical sections, horizontal roadway alignment design utilizing InRoads and MicroStation, calculation of fill and cut quantities, construction, ROW, and utility relocation cost calculations, production of plan sheets and project coordination and management. Duties also included assisting in the organization and conduction of public meetings and stakeholders meetings and assisting with the completion of the Stage 0 reports.					
11/12 - 08/16	S.P. No. H.009837.1: Stage 0 Feasibility Study and Environmental Inventory for Mobility Improvements for LA 64 (LA 1019 to LA 16) in Livingston Parish for LA DOTD: This project determined the feasibility of extending LA 64 between the existing four lane section at the Amite River to LA 16. Mrs. Curry is served as the Project Manager and Engineering Professional responsible for performing the Feasibility Study including the determination of design criteria, establishment of typical sections, horizontal roadway alignment design, calculation of fill and cut quantities, construction, ROW, and utility relocation cost calculations, and project coordination and management.					
03/13 - 06/16	S.P. No. H.010211.1: Stage 0 Feasibility Study and Environmental Inventory for I-110 NB Ramp at Capitol Access Rd: This project determined the feasibility of improving the mobility of the I-110 NB Ramp at Capitol Access Rd. by either eliminating the northbound on ramp or improving the existing infrastructure by lengthening the existing weaving section. Mrs. Curry served as the Project Manager and Engineering Professional responsible for performing the Feasibility Study.					
06/13 – Ongoing	Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA: Project Manager. Road alignment, roundabout layout, and design, preparing cost estimates. Includes 23 Stage 0 Studies.					
02/15 - 05/24	S.P. No. H.011242.1: Stage 0 Feasibility Study and Environmental Inventory for LA 384 (Big Lake Road to McNeese Street) in Calcasieu Parish for LADOTD: Mrs. Curry served as the Project Manager and Engineering Professional responsible for performing the Feasibility Study. Mrs. Curry assisted with the Stage 0 Report, checklists, construction cost estimate layouts and more. All activities for this project were conducted in accordance with NEPA.					
01/20 – Ongoing	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.					

04/18 – Ongoing	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 Rd. 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.
09/15 – Ongoing	S.P. No. H.011280.1: Stage 0 Feasibility Study LA 10 (Improvements in Bogalusa): Mrs. Curry served as Project Manager and Engineering Professional responsible for performing the Feasibility Study, completing the stage 0 report, checklist, layouts, cost estimates and stakeholder outreach. She assisted with stakeholders meetings which were conducted in conformance with NEPA
05/15 – Ongoing	S.P. No. H.011279.1: Stage 0 Feasibility Study LA 328 (Latiolais Drive to Julie Street): Mrs. Curry is currently serving as the Project Manager and Engineering Professional responsible for performing the Feasibility Study which includes the determination of design criteria, establishment of typical sections and project completing the stage 0 report, checklist, layouts, cost estimates and stakeholder outreach. This project is being conducted in conformance with NEPA.
12/14 - 08/17	S.P. No. H.005734: Stage 1 Environmental Assessment for LA 447 Corridor Study: While serving as the Civil Project Manager for this project, Mrs. Curry has assisted with creating the Project Work Plan, analysis of existing roadway data available, listing of data needs, kick-off meeting preparation, developing the design criteria and evaluation of the Stage 0's horizontal alignment. She has assisted with the with the creation of a horizontal alignment to flatten several sharp curves located along the southern portion of LA 447 to bring the roadway up to current design guidelines and the posted roadway speed. She has provided technical guidance for the creation of multi and single lane roundabouts and R-Cut corridor improvements as well as the partial cloverleaf interchange which must tie to roundabouts which are under construction. She has also assisted with the technical portion of the draft SOV and with setting the buffer areas for the logical termini. She has assisted with portions of what will become the environmental document.
08/08 - 03/11	S.P. No. 700-36-0142: Environmental Assessment (EA) Update and Bridge Optimization Study for Almontaser Ave. Bridge Replacement over the Inner Harbor Navigation Canal for LA DOTD: Mrs. Curry served as the Engineer for this Bridge Optimization Study which was an update to a Feasibility Study and EA that was previously completed in 2004 before Hurricane Katrina. Mrs. Curry assisted with the Line and Grade Study by assisting in the establishment of the design criteria, typical section, developed the horizontal and vertical geometry, completed the drainage design and assisted with select sections of the environmental document.
12/15 - 08/17	S.P. No. H.0055158.2: I-49 South (Raceland to Westbank Expressway), Louisiana Department of Transportation and Development (LaDOTD), Jefferson Lafourche, and St. Charles Parishes, Louisiana: This project involved the completion of a Line and Grade Study as well as a Supplemental Environmental Impact Statement (SEIS) for US 90 with LA 1/LA 308 Interchange in Lafourche Parish and extending to the elevated Westbank Expressway in Jefferson Parish. Similarly, to I-49 South (Ricohoc to Berwick), this project upgrades the existing US 90 corridor to a control of access highway. This project includes a high-level interchange decision matrix for each proposed interchange. Mrs. Curry served as the civil project manager and assisted with conducting the kick-off meeting, project coordination, progress meetings, scope revisions and man-hour estimating. Currently she is assisting with the Tier 1 interchange analysis for 13 interchange locations.
08/08 - 10/19	S.P. No. 700-96-0007: Stage 0 Feasibility Study and Environmental Inventory for Additional Capacity of I-10 from Siegen Lane to Sorrento for LA DOTD: Mrs. Curry served as the Engineer for this project. She provided LiDAR data and assisted in the creation/revisions to final recommended vertical and horizontal alignments, coordination, and plan preparation.
Career History	Dishili offers approximately 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 experience includes the management of complex Stage 0 studies, completion of all tasks included in Stage 0, public and stakeholder outreach, concept layouts, cost estimating, grant applications for transportation projects and evaluation of the feasibility of transportation projects. Her Continuing Education is documented as follows: NEPA and Transportation Decision Making, Transportation Safety Systems (Highway Safety Manual Graduate Course), DOTD's Traffic Engineering Process and Report (TEPR) training.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Christopher Knotts, PE, F. ASCE, BC.WRE		Years of relevant experience with this employer	2
	Title	Director of Business Development		Years of relevant experience with other employer(s)	24
	Degree(s) / Years / Specialization		BS / 1983 / Engineering Technology; BS / 1989 / Civil Engineering; MS / 1993 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 25884 / LA / 09-30-2026; Board Certified Water Resources Engineer		
	Year registered	1994	Discipline	Civil	
	Contract role(s) / brief description of responsibilities		Department Liaison and QAQC/Technical Advisor for Road Design		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
2022 – 2023	H.013116 LA 20 Widening and Bridge, Lafourche Parish, LA: Chief Engineer. Provided executive oversight, review and approval of final plans. This project included widening of LA 20 road to include 8’ shoulders. This involved right-of-way acquisition, earthen fill, and a new bridge over Bayou Chevreuil.				
2017 – 2022	H.004987 US 190: LA 437 – US 190 (Bus), St. Tammany Parish, LA: Chief Engineer. Provided executive oversight, review and approval of final plans. This project widened US 190 to four lanes with a new bridge. Right-of-way acquisition, earthen fill, subsurface drainage in place of open roadside ditches, and a new bridge were also part of the project.				
2018 – 2022	H.002424 LA 70: Sunshine Bridge – LA 22, Ascension Parish LA: Chief Engineer. Provided executive oversight, review and approval of final plans. This project widened LA 70 to four lanes with new bridges. Right-of-way acquisition and earthen fill were also included in this project.				
2018 – 2023	H.004791 Replacement of Belle Chasse Tunnel and Bridge, Belle Chasse, LA: This project was delivered using the Public-Private Partnership (P3) method to replace the aged Tunnel (SB) and Steel lift-span Bridge (NB) with a new fixed span bridge. Both the tunnel and bridge require constant and ever-increasing maintenance. When the lift-span opened for marine traffic the road traffic was stopped causing travel delays. The new fixed span bridge is a four-lane concrete structure which will accommodate both directions of traffic (four-lanes) and is high enough to allow marine vessels to pass beneath without interrupting traffic flow. My role as Chief Engineer was to oversee the technical decisions, provide direction on areas in need of clarity and hear contract appeals between the P3 provider and DOTD.				
2019 – 2020	H.003370 Barksdale/I-220 Interchange on I-20: The project was delivered using the Design-Build model. Barksdale Air Force Base requested a new entrance so military cargo would not have to travel through a portion of the City of Shreveport that had grown quite a bit since the base was established. The Barksdale project completed the I-20/I-220 interchange with full movements from all directions. It also built the southern leg of the existing interchange to the northern limits of Barksdale with the DoD completing the portion on base property.				
2020 – 2024	H.004100 I-10 Widening, Baton Rouge, LA: This is a Construction Manager At Risk (CMAR) project increase the capacity of I-10 through Baton Rouge while replacing 60-year-old infrastructure. The first phase of construction began in the fall of 2023 and is projected to be completed in 2028. Numerous meetings were held during the evaluation and continued into the Early Works Packages (EPW) leading up to a Guaranteed Maximum Price (GMP). Many technical issues were evaluated, and decisions rendered on how to proceed. Issues included lane widths, shoulder widths, rights of way, drainage, soundwalls, and sight distance. The project closely coordinated with the new I-10 College Drive Flyover which is on the eastern end of the CMAR project.				
Career History	Based in the firm’s Baton Rouge office, Chris has over 40 years of experience which includes a mix of private consulting (13 years) and over 26 years in the public sector working for LA State government. After working in the private sector for 13+ years, Chris joined the Louisiana Department of Transportation and Development in 1997 as an Engineer Supervisor in the Bridge Design Section. Over the next 26.5 years he held multiple positions at LADOTD and LDNR/CPRA. His experience includes serving at the Director of the DNR Coastal Engineering Division, CPRA Director of Engineering and Operations, Director of DNR Technology Assessment Division, DOTD Assistant Secretary of the Office of Public Works and DOTD Chief Engineer from 2017 to 2023.				



16. STAFF EXPERIENCE

	Firm employed by				
	Name	Brian Adams, PE, SE, CBI		Years of experience with this firm/employer	1
	Title	Senior Structural Engineer		Years of experience with other firm(s)/employer(s)	22
	Degree(s) / Years / Specialization		BS / 2001/ Agricultural Engineering		
	Active registration number / state / expiration date		PE No. 0048729 / LA / 09-30-2026		
	Year registered	2024	Discipline	Civil	
	Contract role(s) / brief description of responsibilities		Bridge QAQC		
Experience dates (mm/yy-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 – 01/23	GDOT SR 81 over Dried Indian Creek, Newton County, GA (PI #0013751): Project Manager. As part of a bridge bundle contract, this project provides concept, preliminary, and final engineering design for a bridge replacement. The project replaced an existing single-span concrete arch bridge built in 1914 with a single-span, prestressed concrete bridge on concrete abutments on the existing alignment. The bridge incorporates post tensioned arch fascia girders to mimic the existing arch. Context Sensitive Design ensured mitigation of impacts to the downtown Covington Historic District. Brian monitored scope, schedule, and budget; managed a team of in-house designers and specialty subconsultants; and ensured all milestones are met.				
01/20 – 01/23	GDOT SR 212 over Lake Jackson, Newton and Jasper Counties, GA (PI#0013603): Project Manager. As part of a bridge bundle contract, this project provides concept, preliminary, and final engineering design for a bridge replacement. The project replaced an existing five-span steel bridge built in 1964 with a five-span, prestressed concrete bridge on concrete intermediate bents on an offset alignment. The bridge crosses a recreational lake and is adjacent to multiple residences. Early coordination with Georgia Power and public involvement were critical in successful delivery of this project. Brian monitored scope, schedule, and budget; managed a team of in-house designers and specialty subconsultants; and ensured all milestones were met.				
06/16 – 04/17	GDOT FY16 Design-Build Bridge Replacements Batch 3, Statewide, GA (PI #0014176): Lead Bridge Engineer for project that provided design and construction for the replacement of six bridges at various locations in Georgia. The scope of services included roadway and bridge design, hydraulic and hydrological studies, bridge foundation studies, bridge removal and replacement, utility coordination and relocation, drainage, retaining walls, erosion control and environmental permitting. Each site presented its own set of unique challenges, from limited right of way, horizontal/vertical alignments, environmentally sensitive areas, utility conflicts, work zone access, adjacent property owners, and protected species. Brian was responsible for bridge design. He led the design team to overcome the unique site challenges by developing innovative solutions such as beam sizes/spacing, bent locations, modifying the horizontal/vertical alignments, avoiding utility conflicts, crane placement, and using innovative construction methods. He coordinated with the roadway team for bridge geometry verification, ensured that the bridge design was properly integrated with the bridge hydraulic analysis, and coordinated with the geotechnical engineering team for development of all foundation solutions. Brian provided technical direction and oversight, and he took responsibility for completion of the design and production of the drawings. He ensured quality control efforts were maintained in accordance with the QA Plan. Brian verified the design for constructability, including consideration of anticipated staged construction under traffic.				
06/20 – 04/23	FDOT District 4 SR 9 (I-95) Express Lanes Phase 3C Design-Build, Bridge 26 Pier 9 Straddle Bent Retrofit, District 4, Broward County, FL: Engineer of Record for this bridge as part of Phase 3C of FDOT’s overall Phase 3 implementation of express lanes along the I-95 corridor within Broward and Palm Beach Counties. ‘95 Express’ is a limited access express lane facility that runs adjacent to the I-95 general use lanes. The construction limits extend for a total distance of approximately 9 miles along I-95. The project includes two miles of improvements along I-595; direct connections between northbound and southbound 95 Express Lanes and I-595 to and from the west; and the painting of 17 existing steel bridges within the I-95/SR 84 and I-95/I-595 Interchanges. The interchange with I-595 contains Bridge 26, for which H&L was selected to design the straddle bent retrofit for Pier 9. Bridge 26 is a long, horizontally curved, Category 2 steel box girder bridge, and Pier 9 must be replaced due to the future ramp configuration of I-595 EB. As EOR, Brian was in charge of all aspects of designing the post-tensioned, integral straddle bent at Pier 9. He reviewed all design plans, made final design decisions, and ensured all milestones were met.				



01/02 – 05/04	5th Runway/Taxiway Design-Build, Hartsfield-Jackson Atlanta (GA) International Airport: Assistant Project Manager and Lead Bridge Engineer. This project provided conceptual, preliminary, and final design of all structural elements of two bridges and retaining walls for this unique project to provide an additional 9,000-foot runway at Atlanta’s airport. One of the two new bridges carries the new 5th Runway and the other carries Taxiway “U” over 10 lanes of existing Interstate 285. The parallel taxiway bridge is comprised of 764 specially designed, prestressed concrete beams carrying aircraft loads of over 1.3 million pounds. This bridge also contained post-tensioned diaphragms and edge beams to help distribute the high concentrated wheel loads. Brian led the bridge design team. He provided technical direction and oversight, coordinated with subconsultants, ensured all deadlines were met, and assisted with quality control goals. He was responsible for completion of the design and production of the drawings, as well as shop drawing review and approval. Brian’s technical tasks included a grillage analysis of the cast-in-place deck to determine distribution of the highly concentrated aircraft wheel loads. He also performed 3D finite element analysis of the post-tensioned diaphragms and edge beams as well as the intermediate wall bents.
06/16 – 10/19	ALDOT Construction Engineering for I-20/I-59 at I-65 (CBD Phase II Project), Birmingham, AL: Engineer of Record for this project that included the modifications of the I-20/I-59 at I-65 interchange as part of the Phase II of the Central Business District Bridges Replacement. These modifications include the construction of multiple ramps and bridges that include curved continuous steel plate girder bridge units and continuous steel beam bridge widenings. The construction engineering included all analysis and design necessary to provide erection plans for the following steel units: Bridge 6A: 185’-191’-165’ span arrangement, 1023’ radius of curvature, 68” webs, Bridge 8: 100’-120’-100’ span arrangement, 1331’ radius of curvature, 68°-63°-60°-60° Bent skews, 40” webs, Bridge 9A: widening, 49’-83’-48’ span arrangement, splayed W30x211, Bridge 9 Unit 1: 140’-180’-140’ span arrangement, 1143’ radius of curvature, 60” webs, Bridge 9 Unit 2: 140’-180’-140’ span arrangement, 1143’ radius of curvature, 60” webs, Bridge 9 Unit 3: 150’-210’-150’ span arrangement, 1143’ radius of curvature, 80” webs, Bridge 9 Unit 4: 180’-260’-180’ span arrangement, 1143’ radius of curvature, 86” webs, Bridge 13: widening, 92’-165’-156’ span arrangement, 60°-60°-60°-60° Bent skews, 48” webs, Bridge 14: 252’-252’-300’ span arrangement, 831’ radius of curvature, 110” webs, Bridge 15 Unit 1: 200’-200’ span arrangement, tangent, 84” webs, Bridge 15 Unit 2: 200’-245’-195’ span arrangement, 753’ radius of curvature, 84” webs, Bridge 17: widening, 195’-195’ span arrangement, 78°-78°-78° Bent skews, 63” webs, Bridge 27 Unit 1: 120’-160’-120’ span arrangement, 488’ radius of curvature, 66” webs, Bridge 27 Unit 1: 120’-160’-120’ span arrangement, 488’ radius of curvature, 66” webs The erection analysis and design were performed in accordance with Engineering for Structural Stability in Bridge Construction – FHWA-NHI-15-044, 2015. Brian worked with the contractor to develop erection sequences and crane locations that met all site and maintenance of traffic constraints. He developed analysis and design procedures for determining steel piece pick points, for evaluating girder stability during picking, for evaluating global and local unit geometry for each stage of erection, for accounting for locked in forces due to cross-frame misfit due to detailing for total dead load fit, for specifying temporary support elevations and evaluating the resulting temporary support loads, for evaluating temporary and final girder stresses and for evaluating temporary and final cross-frame forces. These procedures utilized UT Lift and UT Bridge by the University of Texas Ferguson Structural Laboratory, CSiBridge by Computers and Structures, and manual calculations.
Career History	Brian brought 21 years of impressive bridge design experience and a deep familiarity of the structural practices and approaches used by multiple Departments of Transportation throughout the Southeast. Brian has completed a series of notable bridge design and bridge construction QA/QC projects for various transportation departments. He has contributed to bridge and roadway projects for the Georgia DOT, the Florida DOT, the Alabama DOT, and numerous municipalities and counties. Additionally, he played a pivotal role in projects at many major international airports, including Atlanta, Orlando, Tampa, and Ft Lauderdale. One of the early highlights of Brian’s career was his work on the Design-Build project of the famed 5th Runway bridge at the Hartsfield-Jackson Atlanta International Airport. The 9,000-foot runway features a bridge spanning 10 lanes of Interstate 285. He managed and served as Lead Designer for the airport’s SkyTrain and various related buildings and managed and served as Engineer of Record for Design-Build projects for the Automated People Movers at both Orlando International Airport and Tampa International Airport. In addition to holding Professional Engineer registrations in Georgia and 12 other states, Brian is a Registered Professional Structural Engineer in Georgia and Utah. He is also a Certified Bridge Inspector.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Buddy Covington		Years of relevant experience with this employer	5
	Title	Senior Environmental Manager		Years of relevant experience with other employer(s)	27
	Degree(s) / Years / Specialization		BS / 1995 / Geology; BS / 1995 / Marine Science		
	Active registration number / state / expiration date		N/A		
	Year registered	N/A	Discipline	N/A	
	Contract role(s) / brief description of responsibilities		Environmental MPRs 3 & 4		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
08/08 – 03/11	LA DOTD S.P. No. 700-36-0142 Environmental Assessment (EA) Update and Bridge Optimization Study for Almonaster Ave. Bridge Replacement over the Inner Harbor Navigation Canal: Managed environmental services related to the EA/FONSI and Programmatic 4(f) Reevaluation and Bridge Optimization Study for Almonaster Ave. bridge replacement over the Inner Harbor Navigation Canal. This Bridge Optimization Study was an update to a Feasibility Study, EA/FONSI and resource agency permitting previously completed in 2004 before Hurricane Katrina.				
	Reference: Noel Ardoin, Environmental Engineer Administrator / LADOTD / (225) 242-4501				
05/09 – 09/12	LADOTD Environmental Services for I-12 Design and Construction, Baton Rouge, LA: Managed environmental services related to compliance with DOTD’s USACE Nationwide 23 permit and LDNR/CMD Joint Permit Application requirements for the \$100 million widening of I-12. Changes in construction techniques at the environmentally sensitive Amite River required two separate modifications to the NW 23 permit and the purchase of additional mitigation credits. These efforts were coordinated with the USACE New Orleans District and the construction schedule was not impacted by the permit modifications.				
	Reference: Noel Ardoin, Environmental Engineer Administrator / LADOTD / (225) 242-4501				
02/10 – 06/13	LADOTD Environmental Services for I-10 Design and Construction, from Siegen Lane to Highland Road, Baton Rouge, LA: Managed environmental services related to compliance with DOTD’s USACE Nationwide 23 permit and LDEQ’s NPDES requirements for the \$59.9 million widening of I-10. Changes in design at the Ward Creek Diversion Canal required two separate modifications to the NW 23 permit and the purchase of additional mitigation credits. These efforts were coordinated with the USACE New Orleans District, and the construction schedule was not impacted by the permit modifications.				
	Reference: Noel Ardoin, Environmental Engineer Administrator / LADOTD / (225) 242-4501				
02/02 – 08/06	ALDOT Memphis to Atlanta Corridor Environmental Impact Study, Cherokee, DeKalb, Marshall, Madison, and Limestone Counties, AL: Environmental lead and principal author for a new location interstate corridor across northeast Alabama from I-65 to the Georgia state line. The project involved an extensive public outreach campaign. Alternatives were evaluated ranging from multiple new location routes to serve the cities of Huntsville, Decatur, and Guntersville along with several smaller municipalities. The FEIS was reviewed at FHWA Headquarters for legal sufficiency and Section 106 compliance.				
	Reference: Natasha Clay, Environmental Technical Section / ALDOT / (334) 242-6315				
05/09 – 12/14	ALDOT I-10 Mobile River Bridge Environmental Impact Study, Mobile and Baldwin Counties, AL: Environmental lead and principal author on the original \$750 million, non-tolled project DEIS/FEIS/ROD to provide additional vehicle capacity across the Mobile River in the vicinity of the existing I-10 Wallace Tunnels and to widen the elevated bridges across Mobile Bay. Alternatives were evaluated ranging from multiple new location crossings of the Mobile River and Mobile Bay to design alternatives including tunnels, movable bridges and high air draft clearance, fixed bridges. Through an extensive coordination effort and detailed evaluation of potential maritime economic impacts, the DEIS carried forward four alternatives involving cable-stayed bridges with 215 feet of air draft clearance. Environmental concerns ranged from protected species issues to detailed coordination with resource agencies, Consulting Parties and the Advisory Council on Historic Preservation on view shed impacts to historic properties. The DEIS was reviewed at FHWA Headquarters for legal sufficiency and Section 106 compliance. The DEIS was approved in July 2014. The Record of Decision (ROD) was approved in August 2019. Project information is located at www.mobileriverbridge.com .				
	Reference: Natasha Clay, Environmental Technical Section / ALDOT / (334) 242-6315				



12/14 – 04/18	GDOT Jonesboro Road Improvements Environmental Assessment, Clayton and Henry Counties, GA: Author for the EA and coordinated Public Involvement Open House and Public Hearing Open House activities for the proposed widening and reconstruction of Jonesboro Road from SR 3/US 19/41/ Tara Boulevard in Clayton County to I-75 in Henry County. Responsible for authoring the EA; coordination of environmental studies (air, noise, ecology, history, archaeology); Project includes Waters of the U.S., T&E species, extensive National Register eligible historic districts and Section 4(f) evaluations. Reference: Bobby Dollar, Office of Environmental Services / GDOT / (404) 631-1100
12/14 – 11/21	GDOT SR 515 Environmental Assessment, Union/Towns Counties, GA: Author of the EA/FONSI for this GDOT project to widen and relocate eight miles of SR 515/US 76 in Union and Towns Counties east of Blairsville, from CS 2898/Young Harris Street to just east of CR 153/Timberline Drive in Young Harris. Document received FHWA approval in June, 2017. Project includes Waters of the US, T&E species, ex-tensive national register and eligible historic districts and resources. Reevaluation for letting was completed in 2022. Reference: Bobby Dollar, Office of Environmental Services / GDOT / (404) 631-1100
12/14 – 11/21	GDOT US 441 Environmental Assessment, Rabun County, GA: Author for the EA/FONSI and public involvement activities for the proposed widening and reconstruction of SR 15/US 441 from approximately the northern limit of Clayton to the North Carolina Line. Responsible for authoring the EA; coordination of environmental studies (air, noise, ecology, history, archaeology); and planning/attending public involvement meetings. EA/FONSI complete and approved by FHWA. Reevaluation for letting was completed in 2022 Reference: Bobby Dollar, Office of Environmental Services / GDOT / (404) 631-1100
11-21 – 05/22	Mississippi Department of Transportation, Hall Avenue West , Hattiesburg, MS: Author for the Categorical Exclusion to improve function and safety for both vehicular traffic and pedestrian traffic along Hall Ave. The project provides improved drainage and additional sidewalk, median, and lighting improvements along Hall Ave. In addition, Hall Ave. crosses the existing Norfolk Southern railroad at grade. Providing a bridge over the railroad will allow pedestrians, vehicular traffic, and emergency vehicles to access the Hall Ave. corridor without being blocked by trains. Responsible for authoring the CE; coordination of environmental studies (air, noise, ecology, history, archaeology); and planning/attending public involvement meetings. Reference: Adam Johnson, Environmental Coordinator / MDOT / (601) 359-7920
11/21 – Ongoing	Mississippi Department of Transportation, Interconnecting Gulfport Airport Road Extension & Interstate 10 Overpass, Gulfport, MS: Author for the EA/FONSI to provide transportation infrastructure that will improve the flow of vehicular traffic around the Interstate 10 and US 49 interchange and that will encourage existing and support new commercial and economic growth. Responsible for authoring the EA; coordination of environmental studies (air, noise, ecology, history, archaeology); and planning/attending public involvement meetings. FONSI was completed and approved by FHWA 09/2022. Wetland permitting is in process. Reference: Adam Johnson, Environmental Coordinator / MDOT / (601) 359-7920
02/22 – 10/22	Mississippi Department of Transportation, Popps Ferry Bridge, Biloxi, MS: Environmental manager and author for the EA/FONS Reevaluation for a new, mid-level, fixed bridge along Popps Ferry Road between Riverview Drive and Pass Road to replace an existing movable bridge and to reduce traffic congestion and increase safety. Responsible for authoring the Reevaluation; coordination of environmental studies (air, noise, ecology, history, archaeology) Reference: Adam Johnson, Environmental Coordinator / MDOT / (601) 359-7920
Career History	Mr. Covington joined Neel-Schaffer in 2021 and serves as a Senior Environmental Manager. Based in the Mobile (AL) office, he has more than 30 years of experience as an accomplished Environmental Manager providing services for federal, state, municipal, industry and private clients. Buddy has a demonstrated ability to complete complex environmental projects by leading the collaborative efforts of environmental scientists, wetland scientists, ecologists, NEPA specialists, economists, cultural resources staff, planners, civil engineers, environmental engineers, coastal engineers, and permitting specialists to deliver quality environmental services. Mr. Covington has completed more than 75 NEPA documents, from PCEs to EISs. He has extensive experience with the Departments of Transportation in Alabama, Mississippi, Georgia, Florida, Tennessee, and Louisiana. He also has experience coordinating public meetings and virtual public hearings and in leading environmental studies (air, noise, ecology, history) for projects that involved impacts to Waters of the US, air quality impacts, traffic noise impacts, T&E species and habitat, and Section 4(f) resources.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Vijay Kunada, PE, PTOE, PTP		Years of relevant experience with this employer	19
	Title	Executive Vice President		Years of relevant experience with other employer(s)	5
	Degree(s) / Years / Specialization		BS / 1999 / Civil Engineering; MS / 2001 / Civil Engineering; MS / 2002 / Computer Science		
	Active registration number / state / expiration date		PE No. 32145 / LA / 03-31-2028; PTOE No. 2868		
	Year registered	2006	Discipline	Civil	
	Contract role(s) / brief description of responsibilities		Traffic / Safety Analysis / Tolling		
Experience dates (mm/yy-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).				
01/21 - 07/22	Lafayette (LA) 2050 Metropolitan Transportation Plan: Project Manager. Neel-Schaffer partnered with the Acadiana Planning Commission to shape Lafayette’s 2050 Metropolitan Transportation Plan, creating a clear, fiscally responsible roadmap for future mobility, safety, and growth. Through advanced modeling and strategic project prioritization, the plan directs \$1.24 billion in improvements to reduce congestion and enhance connectivity across the region.				
03/22 - 12/24	Johnston St. Corridor Study, Lafayette, LA: This project completed for LCG evaluated safety and operational improvements for motorist, pedestrian and bicyclist from Holden Ave to north of Garfield to the RR. Vijay served as the project manager for this project.				
11/15 - 12/19	Southcity Parkway Traffic Study, Road Design, and Environmental Assessment: Engineer Manager. Southcity Parkway will provide a new 1.8-mile, four-lane median divided roadway connecting US 167 (Johnston Street) with Kaliste Saloom Road, including 3 roundabouts and a new fixed span bridge crossing of the Vermillion River. Neel-Schaffer completed the EA, technical studies, line and grade, roadway and bridge design, US Coast Guard navigation clearance permit and an H&H analysis for the new proposed Vermilion River bridge crossing.				
02/15 - 04/18	LA 384 Stage 0, Lake Charles, LA – Traffic & Safety Study (S.P. No. 44-4909, T.O. H.011242.1): Traffic Engineering Manager. Developed traffic and safety analysis for LA 384 (Country Club Road) from Big Lake Road to McNeese Street. Traffic Engineering Manager				
05/15 - 06/18	LA 328 Stage 0, Breaux Bridge, LA – Traffic & Safety Study (S.P. No. 44-4909, T.O. H.011279.1): Traffic Engineering Manager. Developed traffic and safety analysis for LA 328 in proximity to I-10 in St. Martin Parish.				
08/20 - 12/23	I-10 & I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA (H.013897): Mesoscopic Modeling Lead for the analysis of Transportation Management Plan (TMP) for the proposed College Drive Ramp improvements. TMP was prepared for the various maintenance of traffic phases. Vijay is leading the Dynameq (Mesoscopic Modeling) modeling for evaluating various MOT strategies.				
07/20 – Ongoing	MRB South GBR: LA 1 to LA 30 Connector, S.P. No. H.013284: As Mesoscopic Modeling Lead, Mr. Kunada is overseeing the development of regional mesoscopic model using Dynameq software and the analysis of proposed MS River bridge concepts under toll and non-toll options. Calibrated and validated 2019 base mesoscopic model was developed and approved by LADOTD and the team is currently working on finalizing the 2042 no-build model. These developed models can be used for the analysis of any proposed roadway projects within the model study area, and both LA 429 & LA 74 corridors are included in this study area.				
10/20 – 03/22	Baton Rouge (LA) 2046 Metropolitan Transportation Plan (MOVE 2046) (State Project No. H.972386): As Project Manager, Mr. Kunada is overseeing the development of regional TDM, performance based multi-modal long range transportation plan with detailed regional freight component. MOVE 2046 tasks also include Congestion Management Process using big data sources and air quality conformity determination for the MPO with robust public and stakeholder engagement element.				
11/15 – 03/19	I-49 Interchange Improvement at US 190 and LA 31, St. Landry Parish, LA: Tasks included the development of existing and future traffic projections and the development of corridor concepts using the access management strategies, road diet options and innovative intersection configurations such as R-Cuts, J-turns and Roundabouts. LA (LADOTD Project No: H.011243.1): Role: Project Manager				



08/16 – 10/18	I-10 Mobile River Bridge and Bayway Widening, Mobile, AL (DPI-0030(005)) As IMR Lead, Mr. Kunada oversaw the development of IMR from data collection phase through the approval of IMR by FHWA on October 3, 2018. Tasks included traffic forecast for toll and non-toll options, analysis of the proposed Mobile River Bridge and the widening of the Bayway, as well as the proposed modifications to the interchanges within the study area including Diverging Diamond Interchange (DDI) configurations at three locations, VISSIM modeling for analyzing complex weave conditions and the development of IMR in accordance with ALDOT guidelines and FHWA Policy Points
03/17 - 12/17	I-210 Bridge Traffic Impact Study, Calcasieu Parish, LA: Project Manager. Managed a traffic study to develop a preferred alternative by analyzing the impacts of various I-210 bridge closure alternatives, and to develop recommendations to manage the expected congestion related to the planned rehabilitation of I-210 bridge over Prien Lake in Lake Charles, Louisiana. Developed project specific travel demand model to model and understand the impacts of bridge closure scenarios.
Stage 0 Study 04/2010 -12/2010 Environmental Assess. 05/2011 - 02/2013	Stage 0 Feasibility Study and Environmental Assessment (EA) Route LA 182 (North University Avenue) Widening, I-10 to West Pont des Mouton Road, Lafayette Parish (Lafayette Consolidated Government (LCG) Contract No. 500-10-034, State Project No. H.009335) Project supports the widening of LA 182 to four lane capacity. The Study / EA included traffic studies, environmental screening and alternative concepts for widening the 2-mile route. Multiple roundabouts are provided. Project Engineer supporting traffic forecasts and analysis comparing signalized and roundabout geometry intersection
12/14	Stage 0 Feasibility Studies of Modern Roundabouts, Lafayette MPO area, (Project No. H04490), Stage 0 studies supporting potential roundabouts at 23 intersections. Project Manager
10/13 – 12/16	LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1) As Traffic Forecast Lead, Mr. Kunada managed the development of future traffic forecast for the study using the CRPC Travel Demand model and considered future interchanges at I-10 and LA 74 and LA 429.
5/14 – 3/16	LA 73 Stage 0, Prairieville, LA – Traffic & Safety Study (S.P. H.011160.1) As Traffic Forecast Lead, Mr. Kunada managed the development of future traffic forecast for the study using the CRPC Travel Demand model and considered future interchanges at I-10 and LA 74 and LA 429.
10/14 – 11/16	Interstate 10 at Ambassador Caffery Pkwy Interchange Stage 0 Study: Project Manager for Traffic Analysis. Tasks included the development of existing and future traffic projections, safety analysis and development of future interchange conceptual geometry to improve safety and accommodate future traffic demands. AM strategies include channelized turn lanes, raised medians, RCUTs, limited access driveways. (LADOTD Project No: H.004492.1)
10/13 – 09/18	Roundabout Stage 0 Feasibility Studies at Various Intersections, Lafayette, LA: Completed 22 roundabout studies and one additional roundabout is currently under study. (LADOTD Project No: H.004490) Role: Project Manager
08/12 – 07/14	US 167/Johnston St Stage 0 Safety Study, Lafayette, LA: AM strategies include RCUTs, Roundabouts, Raised Median, Turn Lanes. (LADOTD Project No: H.009997.1) Role: Traffic Lead
Career History	Vijay is an Executive Vice President and the firm-wide Planning Discipline Lead at Neel-Schaffer, as well as the Engineer Manager for the Lafayette, Louisiana office. Vijay has over two decades of experience in travel demand modeling, land use forecasting, transportation planning, and traffic engineering. He has managed more than 40 transportation plans and travel demand models across AL, AR, LA, MS, TN, and TX, and provides long-term statewide modeling support to LADOTD and all Louisiana MPOs. His modeling and traffic engineering expertise includes TransCAD, CUBE, Dynameq, TransModeler, Synchro/SimTraffic, VISSIM, HCS, and ISATe, as well as land-use modeling with UrbanSim and CommunityViz. Vijay led the Lafayette MPO's 2030 Metropolitan Transportation Plan (MTP) and Travel Demand Model (TDM) updates, and supported the Acadiana MPO in developing both the 2040 and 2050 MTPs—integrating rigorous model calibration/validation with practical, stakeholder-driven planning to ensure implementable outcomes. Vijay routinely manages complex local and regional transportation plans, traffic impact studies, safety studies, travel demand models, signal warrant analyses, traffic signal timing plans, corridor studies, interchange modification/justification reports, and advanced traffic simulation projects that leverage mesoscopic and microscopic tools. He has also completed DOTD's Traffic Engineering Process and Report (TEPR) training.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Ellen Howard, PE, PTOE, RSP ₁		Years of experience with this firm/employer	11
	Title		Project Manager		Years of experience with other firm(s)/employer(s)	5
	Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 38207 / LA / 03-31-2028; PTOE No. 3735 / All / 12-09-2028		
	Year registered	2013	Discipline	Civil Engineering		
	Contract role(s) / brief description of responsibilities			Traffic / Safety Analysis MPR 13		
Experience dates (mm/yy-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 – Ongoing	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, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366); Traffic Services. This project will widening LA 73 and realign LA 621 to 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, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. NTP date is 5/2024 2.) LA 182: US 90 – Greenwood St. Overpass SPN. H.016158; Traffic Services. This project includes pavement rehabilitation along LA 182 from 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.					
12/23 – Ongoing	US 190 (E Gause Blvd): Traffic Engineer responsible for data collection, intersection safety and operations analyses, and identifying intersection/corridor improvements to accommodate existing and future planned growth.					
02/25 – Ongoing	I-49 at LA 3233 (Harry Gilbeau Road) Traffic Study (Contract No. 4400025299, PO No. H.015986.5): (2/25–Present): Traffic Engineer responsible for data collection, intersection safety and operations analyses, and identifying intersection/corridor improvements to accommodate existing and future planned growth.					
01/24 – Ongoing	Cedar St Ext. to LA 22 and Roundabout (Contract No. 4400026458, PO No. H.014710) St. Tammany Parish, LA: Traffic Engineer responsible for data collection, intersection safety and operations analyses, and identifying intersection/corridor improvements to accommodate existing and future planned growth.					
10/22 – Ongoing	LA 383 Corridor Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parishes, LA: Traffic Engineer responsible for data collection.					
06/23 – 04/24	LA 384 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA: Traffic Engineer responsible for data collection, intersection safety and operations analyses, identifying intersection/corridor improvements to accommodate existing and future planned growth, alternatives analyses and traffic report.					
06/22 – 10/24	District 03 Safety Investment Plan, LADOTD: Engineer for this study evaluating crashes at 119 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements.					
04/20 – 07/21	District 05 Safety Investment Plan, LADOTD: Engineer for this study evaluating crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements. There were initially 81 locations with 53 additional locations added as a supplement.					
02/19 – 03/20	District 07 Safety Investment Plan, LADOTD: Engineer for this study evaluating crashes at 63 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements.					



09/20 – Ongoing	MOVEBR College Drive Enhancements (C-P Proj. No. 19-EN-HC-0033): Traffic Engineer responsible for calibrated Vissim model, existing and no build traffic analysis and alternatives analysis.
03/21 – Ongoing	MOVEBR N. Sherwood Forest Extension (C-P Proj. No. 20-CP-HC-0014): Traffic Engineer responsible for initial and final data collection, existing safety analysis, existing and no build HCS analysis, alternatives HCS analysis, and final traffic report
08/20 – 10/21	I-10 & I-12 College Dr. Flyover Ramp Design-Build Project (S.P. H.013897.1): Traffic Engineer responsible for calibrated Vissim model and traffic analysis, and Interchange Modification Report
09/21 – 07/22	MOVEBR Harding Boulevard at Interstate I-110 (C-P Proj. No. 20-CP-HC-0016): Traffic Engineer responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis, Tier 1 alternative analysis, and final traffic report
01/14 – 05/15	Safety Study, LA 49 (Williams Blvd.,) Kenner, LA – Stage 0 / Safety Study (S.P. No. 4400001583, T.O. No. H.010570): Traffic Engineer responsible for data collection, intersection operational signal analyses (Synchro), and Vissim modeling.
12/17 – 03/19	District 08 Safety Investment Plan, LADOTD: Engineer for this study evaluating crashes at 68 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements.
12/19 – 03/20	US 80: Intersection @ Bellevue Rd (S.P. No. 4400010504, T.O. No. H.014044.1): Traffic Engineer responsible for Initial and final data Collection, existing safety analysis, and Chapter 1 of Final Report and signalized intersection analysis.
01/15 – 06/15	LA 3002, 16 & 1034 Corridor Study Phase 2 (Contract No. 4400004064, T.O. No. H.011645.1): Traffic Engineer responsible for data collection and traffic signal analysis.
02/15 – 12/17	US 51 (W University to I-55) Corridor Study (Contract No. 4400004064, T.O. No. H.011401.1): Includes analysis of eight roundabout geometry intersections. Traffic Engineer assisted with Corridor Operational Analyses
01/14 – 03/16	LA 73 Corridor Study (LA 74 to LA 621) Stage 0 Feasibility Study (Contract No. 4400003362, T.O. No. H.011160.1): Traffic Engineer responsible for data collection, warrant analysis, corridor operational analyses (Synchro and Sidra), Stage 0 traffic report preparation
01/14 – 12/16	LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1): Traffic Engineer responsible for data collection, corridor traffic operational analysis (Synchro and Sidra), calibrated Vissim modeling, Stage 0 Traffic Report
01/14 – 06/14	Stage 0 Study, considering the extension of Edenborne Parkway to South St. Landry Road (approximately 1 mile) for Ascension Parish: Traffic Engineer responsible for intersection operational analyses (Sidra).
Career History	Mrs. Howard joined Neel-Schaffer, Inc. in January 2014. Before joining Neel-Schaffer, Mrs. Howard worked as a Traffic Engineer for DOTD District 62. She also worked as a Traffic Engineer Intern for DOTD's Traffic Engineering Management Section in Headquarters. She worked on a variety of projects involving Traffic Engineering Studies, Signal Timing and Coordination, Corridor Studies, traffic modeling using VISSIM and Transportation Management Studies. During her employment at LADOTD, she also reviewed numerous Corridor Studies, Intersection Studies, Safety Studies, Traffic Impact Studies, and Temporary Traffic Control Plans. She is proficient in Traffic Engineering software such as HCS, Synchro, SIDRA, SimTraffic, VISSIM as well as DOTD's CAT Scan safety tool. She also attended Highway Safety Manual (HSM) workshop, Highway Capacity Analysis Seminar, Roundabout Design Workshop, Traffic Signal Workshop, Synchro Training, Vissim Training, Access Management Location and Design Course, Alternative Intersections / Interchanges Workshop, and Crash Reconstruction for Traffic Engineers Course. With Neel-Schaffer, Mrs. Howard has served as a project engineer for the noted traffic related DOTD projects. Mrs. Howard is a certified Professional Traffic Operations Engineer (PTOE), a certified Road Safety Professional Level 1, and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Brandon Perilloux, PE, PTOE, RSP ₁		Years of experience with this firm/employer	>1
	Title	Senior Project Manager		Years of experience with other firm(s)/employer(s)	15
	Degree(s) / Years / Specialization		BS / 2010 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 39968 / LA / 03-31-2028; PTOE No. 4432 / all / 03-18-2027; RSP ₁ No. 187 / all / 12-21-2027		
	Year registered	2015	Discipline	Civil	
	Contract role(s) / brief description of responsibilities		Traffic / Safety Analysis MPR 13		
Experience dates (mm/yy-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	LADOTD US 190: Wooddale to Livingston Parish P/L Study (H.016437.5): Project Manager. This project includes a corridor safety study to establish an integrated, systematic, and performance-based approach to evaluate potential safety improvements for all Vulnerable Roadway Users (VRU). The objective of this study is to analyze existing and future conditions along the corridor and identify potential treatments to improve safety, access management, and mobility with an emphasis on addressing VRU safety. Tasks include collecting traffic and VRU data along the US 190 corridor. A detailed safety analysis will also be conducted to assist with determining potential VRU improvements in the study area.				
08/25 – Ongoing	City of Mandeville Roadway Safety Improvements IDIQ: Project Engineer/ Project Manager. This project includes three tasks for high-level safety analysis to develop alternatives or low-cost safety improvement strategies to potentially reduce crashes and increase roadway and pedestrian safety as locations within the City of Mandeville. These task orders include a corridor safety evaluation of US 190, intersection evaluations at critical points on E Causeway Approach and a circulation study for Mandeville High School to improve safety. All three task orders differ in scope and tasks; however, each include detailed safety evaluation and development of alternatives with a primary focus on safety for all roadway users.				
05/24 – 07/25	Lake Charles Safety Action Plan, Lake Charles, LA: Traffic Engineer. This project included a federally funded Safe Streets and Roads for All (SS4A) initiative through the development of the Lake Charles Safety Action Plan and Active Transportation Plan. Assisted with developing non-infrastructure and performance management recommendations, creating the High Injury Network (HIN), and identifying projects to address crash trends. Also assisted in developing an active transportation plan, bicycle network, and non-motorized design guide to inform future improvements using best-practice design standards.				
06/24 – 02/25	NLCOG Safe Streets for All (SS4A) Regional Safety Action Plan, Bossier, Caddo, DeSoto and Webster Parishes, LA: Traffic Engineer. The project included an SS4A Safety Action Plan covering Bossier, Caddo, DeSoto, and Webster Parishes. Assisted with developing the High Injury Network (HIN) and creating a Countermeasure Toolbox to address roadway crashes across the four-parish region.				
02/24 – 08/25	ARDOT Highways 59 and 72 Corridor, Benton County, AR: Project Manager. Responsible for overseeing a study of the Highway 59 and Highway 72 corridors in Benton County. The study was initiated due to increased population and economic growth, the completion of Interstate 49 impacting local traffic patterns, growing congestion, safety concerns, and requests from local officials. Responsibilities included assisting in the development of project goals and purpose-and-need statements aligned with ARDOT’s Long Range Intermodal Transportation Plan, analyzing existing conditions and identifying key issues, and developing short- and long-term improvement strategies focused on safety for all roadway users. Findings were presented at multiple stakeholder meetings and shared during public meetings.				
10/22 - 04/23	TxDOT IH-35E North Segment and DCC IAJR, Denton and Cooke County, TX: Project Engineer. The project included a re-evaluation of two previously approved Interstate Access Justification Reports (IAJR) covering approximately 12 miles of I-35. Tasks included reviewing traffic projections, capacity analysis, and traffic operations, including simulations and safety analysis. Conducted Highway Safety System (HSS) and Crash Modification Factor (CMF) evaluations to determine existing and predictive safety performance and performed QA/QC of the overall IAJR documentation. The reports were successfully accepted by FHWA.				



05/22 – 08/25	TxDOT Rockwall County (TX) Outer Loop Evaluation: Project Manager. Responsible for the evaluation of potential alignments of Rockwall County Outer Loop from FM 1138 near the Collin County line to SH 276 in Rockwall County. Lead engineer for all engineering tasks including data collection and analysis, conceptual traffic control, traffic projections, and traffic engineering including capacity analysis and Interstate Access Justification Report (IAJR) and safety analysis. Developed traffic projections for approximately 16 miles of new roadway for the outer loop throughout the entire county. This included multiple new interchanges and the complex interchange with I-30. Worked with the prime and two other project teams for different counties to facilitate accurate traffic projections along the entire outer loop through multiple counties. Following approval, the team will conduct capacity and safety analysis for the IAJR and multiple traffic studies in the county.
03/16 – 12/19	LADOTD I-10 / Loyola Interchange Improvements, Kenner, LA: Project Manager. Responsible for managing this phase of the overall project, which was to develop an Environment Assessment document for the I-10/ Loyola Interchange. As prime consultant for this project, oversaw the project managing/ coordination of seven subconsultant firms, reviewing environmental technical documents, reviewing preliminary alternative designs, local/state stakeholder coordination, conducting multiple public meetings and developing the EA document.
04/16 – 02/19	LADOTD Loyola Interchange IAJR, Kenner, LA: Traffic Engineer. Tasks included data collection, safety analysis, and VISSIM analysis for the Loyola Interchange project in Kenner. Data collection related tasks included processing field travel time data and determining 95% confidence levels. Managed the safety analysis tasks, which included crash report review, collision diagrams, over-representation determination, statewide average comparisons, and trend identification. Brandon assisted with the VISSIM tasks included volume inputs, travel time section data processing, and calibration. Mr. Perilloux also coordinated the VISSIM animation production used to present the alternatives to the public based on requirements from LADOTD and FHWA.
03/23 – 10/24	City of Jennings (LA) LA26 Corridor Study & Zigler Memorial Extension: Project Engineer. Responsible for assisting in developing a Traffic Impact Analysis for the LA 26 corridor study in Jennings. The purpose of this work was to conduct a study on a proposed connection of Zigler Drive extension. The work included projecting traffic volumes for the new extension and estimating the capacity and safety impacts. Mr. Perilloux oversaw all work and provided insight on the capacity and safety analysis. The full traffic study to the City and LADOTD. The study was approved, and a Letter of Compliance was released by LADOTD.
06/23 – 05/25	TxDOT Laredo Signal Timings, Laredo, TX: Project Engineer. Assisted with analyzing existing and proposed signal timing for 54 intersections across seven corridors in Laredo, Eagle Pass and Del Rio, TX. I reviewed existing signal timings in Synchro as well as reviewed proposed timing and coordination plans for some of the corridors. Conducted two field visits to the corridors and worked with the City of Laredo to fine tune the proposed timings. This field work also included working with the City in their traffic management center and helping identifying issues with the proposed timings.
Career History	Mr. Perilloux joined Neel-Schaffer in 2025 and serves as a Senior Project Manager for Traffic Engineering, based in the firm's Mandeville (LA) Office. Brandon has extensive experience as a team leader and project manager on various successful traffic engineering projects including, but not limited to, Interstate Access Justification Reports (IAJRs), corridor studies, traffic impact analysis, safety analysis, temporary traffic control design, striping/signage and traffic signal design. Brandon is a certified Professional Traffic Operations Engineer and has worked on a variety of projects in Louisiana, Texas, Alabama, Mississippi and Arkansas. Brandon demonstrates exceptional problem-solving abilities and consistently brings a high level of organization, attention to detail, and focus to his work. He is a collaborative team player who successfully manages projects and teams delivering results that stay on scope, on schedule, and within budget.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Jonathan Duhe, PE, PTOE, RSP ₁			Years of experience with this firm/employer	12
	Title	Project Engineer			Years of experience with other firm(s)/employer(s)	1
	Degree(s) / Years / Specialization		BS / 2011 / Civil Engineering			
	Active registration number / state / expiration date		PE No. 41047 / LA / 03-31-27; PTOE No. 4418; RSP No. 282			
	Year registered	2016	Discipline	Civil Engineering		
	Contract role(s) / brief description of responsibilities		Traffic / Safety 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 years of experience specified in the applicable MPR(s).					
11/19 – Ongoing	IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62): This project will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Mr. Duhe has assisted with the ball bank studies for the signing and striping jobs. He also oversaw development of signal plans as a project engineer for FYA Signal Improvements. The task orders under this project are as follows: Local Road Signing (Vermilion) (SPN. H.013014); The project includes ball-bank study, striping and signing to improve the safety along roadway segments and curves. LRSP (Iberia Parish and City of N.I.) (SPN. H.013770); Project includes signage and striping for safety improvements along 30 Miles of roadway. FYA Signal Improvements (LCG) Lafayette Parish (SPN. H.014579); This project includes the installation of flashing yellow arrows, cabinets, and detection systems for 28 intersections throughout Lafayette.					
07/24 – Ongoing	D02H Flashing Yellow Arrow Pt2, Houma, LA: Project Engineer. Oversaw the design of 40 traffic signals to update to include flashing yellow arrows. This project involved some full redesigns as well as some partial designs. Oversaw field data collection and plan development. Pedestrian signal equipment was added to designs at applicable locations.					
02/23 – Ongoing	US 61 @ Victoria Pedestrian Study, Baton Rouge, LA: Project Engineer. The focus of this study was to determine pedestrian safety issues and propose alternatives to improve the pedestrian safety along this 0.7 mile corridor. Oversaw data collection, which included detailed pedestrian origin-destination counts to determine pedestrian paths and crossing locations along US 61. Oversaw the safety analysis including utilizing the CARTS tool to analyze existing crashes. Developed alternatives for further analysis. The alternative included adding a midblock pedestrian crosswalk between proposed back-to-back signalized U-turns. This crosswalk is recommended to have audible pedestrian push buttons and pedestrian signal heads to facilitate pedestrian crossings.					
03/21 – 04/24	MOVEBR Synchronization and Communication Signal Rebuilds – Groups 3 and 4, Baton Rouge, LA: Project Engineer. Responsible for traffic signal design of 6 intersections within the city of Baton Rouge including data collection (TMCs, peak period observations, etc.), traffic signal analysis (Synchro), signal timing determination utilizing Synchro and Tru-Traffic software, and design plan preparation. Where applicable, pedestrian signal equipment was added to facilitate pedestrian movements.					
03/23 – 11/24	City of Mandeville Safety Study Project, Mandeville, LA: Project Engineer. Performed a high level safety study to develop low cost safety improvements and/or traffic calming recommendations to reduce crashes and increase safety along several corridors and at several intersections within the City of Mandeville. Responsible for data collection, safety analysis, mitigation development, and report preparation. At several locations, raised pedestrian crosswalks were recommended to highlight pedestrian presence as well as encourage lower vehicle speeds.					
03/23 – Ongoing	Jimmie Davis Bridge Design Build, District 04, LA: Project Engineer. Oversaw the data collection, operational analysis, safety analysis, traffic report preparation, and development of traffic signal design plans (permanent and temporary) for the design-build project that involves constructing a new bridge over the Red River. This project includes a linear park and provides a multiuse path.					
04/20 – 06/21	District 05 Safety Investment Plan, District 05, LA: Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LADOTD’s CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.					



11/17 – 04/19	District 08 Safety Investment Plan, District 08, LA: Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LADOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
02/20 - Ongoing	I-20 at LA 544 Overpass Replacement, Lincoln Parish, LA: This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes new bridge with sidewalk over I-20. The entire project limits are Complete Street compliant which means it provides facilities for all users. Mr. Duhe provided signal design review. Preliminary and final plans.
03/23 – 08/23	Port Hudson-Pride Road, East Baton Rouge Parish, LA: Project Engineer Oversaw Data Collection (TMCs, Observations, ped/bike counts, etc), Safety Analysis, and Alternative Analysis. DOTD's CATScan analysis was utilized for the safety analysis. CMFs from the Highway Safety Manual and the CMF Clearinghouse were utilized to analyze the proposed alternative to widen the roadway. The addition of sidewalks along the roadway was also included with this project.
12/19 – 03/22	US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA: Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR. Project includes signalized intersections. Oversaw Intersection Operational Analyses (HCS), safety analysis, alternative development, and traffic report preparation.
08/22 – Ongoing	LRSP Ardenwood Dr Road Diet, Baton Rouge, LA: Project Engineer. Responsible for Data Collection (Traffic Counts, Ped/Bike Counts, and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (HCS, Sidra), Safety Analyses, Traffic Report Preparation. The purpose of this traffic study is to analyze the conversion of this 4-lane roadway to a 3-lane roadway section including bike lanes. Safety of VRUs is also a priority and analyzed within this study. Upon acceptance of the traffic study, this project will also include the design of the required improvements including any pedestrian/bike upgrades.
03/19 – 11/19	US 61 Signal Timing Study, Baton Rouge, LA: Project Engineer. Oversaw data collection (TMCs, Observations, Inventory Analyses, Intersection Operations Analyses (Synchro)). Developed new signal timing and TSIs. Timings for pedestrian crossings were also analyzed and updated as part of this study.
09/20 – Ongoing	MOVEBR College Drive Enhancement Project, Baton Rouge, LA: Traffic Engineer. Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.
06/20 - Ongoing	I-10/12 College Drive Flyover Design Build, Baton Rouge, LA: Traffic Engineer. Performing a traffic study at the I-10/12 merge in an effort to improve capacity and safety. Assisted with uncalibrated VISSIM model. Assisted with safety analysis and signal design.
01/22 – 08/22	Cargill Pedestrian Study, Laplace, LA: Project Engineer. Oversaw Data Collection (TMCs, Observations, VRU counts, etc), Crosswalk Warrant Analyses, and Mitigation Selection. This study was performed to investigate VRU safety for a private client where workers were frequently crossing a state highway. FHWA mitigation strategies were utilized to determine viable alternatives. This study also involved developing plans to implement the recommended safety improvements. Recommended improvements included installing an RRFB (Rectangular Rapid Flashing Beacon), advanced pedestrian warning signs, and tranverse striping on approaches to the crosswalk to encourage lower vehicle speeds.
11/16 – 04/19	LA 385 (Ryan St) Feasibility Study, Lake Charles, LA: Traffic Engineer. Assisted with intersection analysis including Vistro. Assisted with safety analysis including reviewing crashes, creating collision diagrams, identifying conflict points, and using LADOTD's CATScan tool to analyze safety. Assisted with report preparation.
02/16 – 10/17	LA 6 Feasibility Study, Natchitoches, LA: Traffic Engineer. Assisted with intersection analysis including Sychro and Sidra analysis. Assisted with safety analysis including reviewing crashes, creating collision diagrams, and using the HSM Predictive method to analyze safety of potential alternatives. Also assisted with report preparation.
Career History	Jonathan joined Neel-Schaffer in 2013 and has 13 years of experience working on a wide range of traffic and transportation projects. He has worked on many intersection/corridor signal timing studies and signal design projects and other traffic engineering related projects for both public and private projects. A PTOE and RSP, he is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Jonathan has completed training and has experience using LADOTD's CARTS safety tool. He has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Santosh Andem, PE, PTOE			Years of experience with this firm/employer	14
	Title	Senior Traffic Engineer			Years of experience with other firm(s)/employer(s)	4
	Degree(s) / Years / Specialization		B. Tech / 2003 / Civil Engineering; MS / 2006 / Civil Engineering			
	Active registration number / state / expiration date		PE No. 36465 / LA / 03-31-2026; PTOE No. 3017			
	Year registered	2011	Discipline	Civil		
	Contract role(s) / brief description of responsibilities		Traffic / Safety 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 years of experience specified in the applicable MPR(s).					
01/14 – 09/18	Roundabout Stage 0 Studies, Lafayette Consolidated Government, Lafayette, LA: This is a task order contract to conduct Stage 0 Feasibility Studies which evaluate constructability, safety, and operations of modern roundabout at 23 intersections. Tasks completed by Santosh include signal warrant analysis, crash analysis, spot speed data analysis, traffic analysis of existing and future volumes, forecasting future volumes using Lafayette Metropolitan Organization Travel Demand Model, and preparation of the report detailing the findings and recommendations.					
05/14 – 03/16	LA 73 Stage 0, Prairieville, LA – Traffic & Safety Study: Traffic Engineer, Santosh assisted in the development of future traffic forecast for the study using the CRPC Travel Demand model (TransCAD) and considered future interchanges at I-10 and LA 74 and LA 429.					
10/13 – 12/16	LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study: Traffic Engineer, Santosh assisted in the development of future traffic forecast for the study using the CRPC Travel Demand model (TransCAD) and considered future interchanges at I-10 and LA 74 and LA 429.					
04/18 – 04/20	Rees St (LA 328) Stage 0 Corridor Study: This is a feasibility Study of improving LA 328/Rees St. from Latiolais Dr. to Bridge St. Tasks completed include data collection, intersection/corridor analysis for existing and future conditions, field review observations, intersection and corridor safety analysis for No Build and existing conditions, forecasting future volumes and active participation in public meetings.					
10/22 – Ongoing	LA 383 Corridor Stage 0 Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parish-es, LA: Traffic Engineer responsible for data collection.					
06/23 – 04/24	LA 384 Stage 0 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA: Traffic Engineer responsible for data collection, intersection safety and operations analyses, identifying intersection/corridor improvements to accommodate existing and future planned growth, alternatives analyses and traffic report.					
04/18 – 06/23	LA 1256 Corridor Study from Patton Street to Dave Dugas Road, Calcasieu Parish, LA: This project involves widening of LA 1256 from Patton Street to Dave Dugas Road. Three Roundabout intersection are analyzed. Tasks completed by Santosh includes intersection and corridor safety analysis, data collection, roundabout analysis using SIDRA for existing and future volumes, writing technical memorandum documenting conclusions and recommendations.					
07/21 – 08/21	I-285 & SR400 Reconstruction Project, Atlanta, GA: This project is in reference to I-285 & SR400 Reconstruction Project – Phase 5 Stage 1. Phase 5 considers the reduction of I-285 lanes to 3 per direction to be able to fully reconstruct three underpasses of the Interstate. Tasks completed by Santosh includes developing VISSIM models, and preparation of tech memo detailing the study findings.					
11/19 – 10/20	I-24 Interchange at I-75 Interstate Access Request (IAR) Phase 2, Chattanooga, TN: The project involves conducting an Interstate Access Request (IAR) at S Moore Road and Belvoir Avenue Interchanges. Tasks completed by Santosh include developing existing, No Build and Build (Phase 1 and Phase 2) VISSIM models for AM and PM.					
01/22 – 10/22	LA 92 Corridor Study, Youngsville, LA: This purpose of this project is to develop and evaluate the improvements along the East Milton Avenue/Iberia Street Corridor that would improve the existing corridor traffic operations. Tasks completed by Santosh included spot speed data analysis, traffic analysis of existing and rerouted volumes using SIDRA and HCS software's and developing report detailing findings and recommendations.					

01/22 – 10/22	Johnston Street from University Avenue to US 90/SE Evangeline Thruway, Lafayette Consolidated Government, Lafayette, LA: The primary purpose of this study is to evaluate the feasibility of complete streets along Johnston Street from University Avenue to Southeast Evangeline Thruway to provide options for all users of transportation. Santosh worked on the traffic analysis of existing and rerouted volumes using Synchro, safety analysis and preparation of the report detailing study findings and recommendations.
03/17 – 12/17	I-210 Bridge Traffic Study, Calcasieu Parish, LA: The purpose of this study is to analyze the impact of various alternatives related to the rehabilitation of I-210 Bridge over Prien Lake in Lake Charles, LA. Tasks performed by Santosh includes traffic analysis for base year and construction phase alternatives, matrix comparison of construction phase alternatives and developing report based detailing study findings and recommendations.
07/14 – 04/15	I-10 Interchange at North Ambassador Caffery Parkway Stage 0 Feasibility Study, LADOTD, Lafayette, LA: The purpose of this study is to provide operational, safety and capacity improvements to the I-10 at N. Ambassador Caffery Pkwy interchange and intersections within the influence area of the interchange as well as improve access for freeway traffic to adjacent arterials and vice versa. Tasks completed by Santosh include existing analysis, developing future intersection peak hour volumes using Lafayette MPO travel demand model, signal warrant analysis, capacity and LOS of study intersections, ramps, weaving sections and corridors using Synchro 8 and HCS 2010, and preparation of the report detailing the findings and recommendations. Project Engineer
03/12 – 04/12	N. University Avenue (LA 182) Widening, Lafayette Consolidated Government, Lafayette, LA: This project involves widening of University Avenue between I-10 and Pont des Mouton Road. Three roundabout geometry intersections are proposed. Tasks completed by Santosh includes preparing a VISSIM model for build scenario, air quality analysis using MOVES 2010a and preparing air quality report documenting study findings.
10/12 – 01/13	LA 935 (LA 431 to LA 22) Safety Study/Stage 0 Feasibility Study, LADOTD, Ascension Parish, LA: This is a Safety Stage 0 Study. Tasks completed by Santosh included the identification of crash clusters, the review of hard copy police reports, determination of the contributory causes and the development and evaluation of the effectiveness of proposed alternatives using IHS DM.
Career History	Santosh joined Neel-Schaffer in 2011. He serves as a senior traffic engineer/transportation planner for traffic impact studies, traffic simulation models, signal timing, local and regional travel demand models, corridor analysis, demographic forecasting, and other traffic engineering related projects for both public and private developments. He has extensive experience in traffic engineering which includes safety studies related to intersection/lane departure/pedestrian, signal warrant analysis, roadside hazard, fatal crash reviews, corridor analysis, qualitative assessment, signal timing, signal design traffic impact studies and traffic control. Santosh has experience in using Synchro/Sim Traffic, Highway Capacity Software (HCS), VISSIM, Tru-Traffic, AutoCAD, Microstation and SignCAD. Additionally, he has working knowledge of CORSIM and TransCAD. Santosh has completed DOTD's Traffic Engineering Process and Report (TEPR) training.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Charles LeBoeuf, PE, PTOE		Years of relevant experience with this employer	11
	Title		Project Engineer		Years of relevant experience with other employer(s)	1.5
	Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering; MS / 2014 / Civil Engineering		
	Active registration number / state / expiration date			PE 0042854 / LA / 03-31-2027; PTOE 5397		
	Year registered	2018	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Traffic / Safety 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 years of experience specified in the applicable MPR(s).				
02/22 – 10/22		Pinhook Road at Kaliste Saloom Road, Lafayette, LA: This project evaluated the conversion of the intersection of Pinhook Road at Kaliste Saloom Road from a full access signalized intersection to a quadrant intersection. For this project, Mr. LeBoeuf analyzed the proposed intersection concept in Synchro and developed signal timings and lane geometry that would reduce intersection delay.				
10/21 – 06/23		College Drive Enhancement Project, Baton Rouge, LA: Several off-corridor concepts were considered in the vicinity of College Drive between Perkins Road and I-10. Mr. LeBoeuf analyzed these off-corridor concepts using mesoscopic modeling to determine which concept, or group of concepts, would result in the most improvements within the study area. These improvements include a reduction in vehicle delays and shifts in traffic volumes.				
02/21 – Ongoing		I-10 and I-12 College Flyover Ramp Design-Build Project, Baton Rouge, LA: This project documented the expected work zone impacts to I-10, I-12, and nearby surface arterials due to the construction of the College Drive Flyover. Mr. LeBoeuf analyzed the expected work zone impacts using mesoscopic modeling for the first phase of construction. The impacts included queueing, shifts in traffic volumes, and traffic speeds.				
07/20 – Ongoing		MRB South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA: This project uses mesoscopic modeling to analyze a proposed new crossing over the Mississippi River from LA 1 to LA 30 between I-10 and LA 70. Mr. LeBoeuf used the existing traffic data to develop peak period volumes and travel times which were to be used in the model calibration and validation. Mr. LeBoeuf developed the Base mesoscopic model by first expand-ing a previous mesoscopic model to include the West Bank of the Mississippi River from Baton Rouge to Donaldsonville, and then performing Dynamic Traffic Assignments using Origin-Destination (O-D) matrices. Afterwards, Mr. LeBoeuf used the existing traffic data to calibrate the Base model to better reflect existing traffic conditions. Once the Base model was finished, Mr. LeBoeuf then developed the No Build model, which in-cluded proposed highway improvements and an updated O-D matrix. This No Build model was then used as a background model to develop Bridge-specific models for each of the 20 proposed Bridge crossings.				
12/18 – 02/19		I-635 LBJ East Alternative Technical Concepts, Dallas, TX: Alternative Technical Concepts were proposed for three interchanges associated the I-635 LBJ East Project in Dallas, TX. For this project, Mr. LeBoeuf analyzed the freeway and frontage road elements, comparing the operational changes between the original build concept and the proposed Alternative Technical Concept.				
01/17 – 08/18		I-10 Mobile River Bridge Interchange Modification Report, Mobile, AL: This project analyzed the impacts of the new I-10 bridge crossing the Mobile River to the south of the existing I-10 Wallace Tunnels in Mobile, AL. Mr. LeBoeuf developed future peak hour volumes using the Travel Demand Model results for Mobile and Baldwin Counties for the No Build scenario, which involved no improvements to study area roadways, and for the Build scenario, which incorporated the new I-10 Mobile River Bridge, a widened I-10 Bayway from Mobile to Daphne, AL, and inter-change improvements along I-10 within the study area. Mr. LeBoeuf performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for study area intersections.				



01/17 – 02/18	Western Beltway Phase II Feasibility Study, Hattiesburg, MS: This project determined the feasibility of extending MS 42 from I-59 to US 49 north of Hattiesburg, MS. Mr. LeBoeuf developed existing peak hour volumes and volume characteristics such as peak hour factors and heavy vehicle percentages. Mr. LeBoeuf developed future peak hour volumes using the Hattiesburg, MS Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which involved no improvements to study area roadways, and for the Build scenario, which incorporated two roadway alignment alternatives. Mr. LeBoeuf performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for study area intersections. Mr. LeBoeuf analyzed crash data to determine crash trends and estimate the expected number of crashes for future scenarios. Mr. LeBoeuf also performed a benefit-cost analysis for each scenario using the expected number of crashes and expected changes in travel times.
04/18 – 04/20	LA 328 (Rees Street) Corridor Study and Plan: Project includes improving La. Hwy. 328/Rees Street from Latiolais Road to E Bridge Street including considering the impacts of the proposed E Mills Ave extension LA 328 to Doyle Melancon Ext. roadway and outreach
12/18 – 02/19	I-635 LBJ East Alternative Technical Concepts, Dallas, TX: Alternative Technical Concepts were proposed for three interchanges associated the I-635 LBJ East Project in Dallas, TX. For this project, Mr. LeBoeuf analyzed the freeway and frontage road elements, comparing the operational changes between the original build concept and the proposed Alternative Technical Concept.
01/17 – 08/18	I-10 Mobile River Bridge Interchange Modification Report, Mobile, AL: This project analyzed the impacts of the new I-10 bridge crossing the Mobile River to the south of the existing I-10 Wallace Tunnels in Mobile, AL. Mr. LeBoeuf developed future peak hour volumes using the Travel Demand Model results for Mobile and Baldwin Counties for the No Build scenario, which involved no improvements to study area roadways, and for the Build scenario, which incorporated the new I-10 Mobile River Bridge, a widened I-10 Bayway from Mobile to Daphne, AL, and interchange improvements along I-10 within the study area. Mr. LeBoeuf performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for study area intersections.
10/16 – 01/17	LA 1133 Realignment Study Carlyss, LA. This realignment study analyzed the operational impacts of closing South Boudoin Road between Sayles Street and East Dave Dugas Road in Carlyss, LA as part of the expansion of the Westlake Chemicals Plant. Mr. LeBoeuf developed future peak hour volumes using the Lake Charles, LA Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which kept South Boudoin Road open. Volumes for the Build scenario were developed by rerouting traffic from Boudoin Road to other roads within the study area. Mr. LeBoeuf performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended improvements for signalized and unsignalized study area intersections with the closure of South Boudoin Road.
Career History	Mr. LeBoeuf joined Neel-Schaffer in 2014 and has 12 years of experience in the engineering field, including 18 months as a Co-Op student with the Louisiana Department of Transportation and Development. Since joining Neel-Schaffer, Mr. LeBoeuf has provided a wide variety of transportation-related services, including travel demand modeling, GIS, crash analysis, traffic analysis, mesoscopic modeling, and traffic signal design. He also has experience in the collection of turning movement counts for development projects. Mr. LeBoeuf has completed DOTD's Traffic Engineering Process and Report (TEPR) training.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Katie Odenthal, PE, PTOE			Years of experience with this firm/employer	15
	Title	Traffic Engineer			Years of experience with other firm(s)/employer(s)	0
	Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 40920 / LA / 03-31-27; PTOE No. 4528		
	Year registered	2016	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Traffic / Safety 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 years of experience specified in the applicable MPR(s).					
07/21 - Ongoing	St. Tammany Trace Pedestrian Crossing Studies (Contract No. 600-197), St Tammany Parish, LA: Project Engineer: Oversaw data collection (TMCs, Observations, VRU counts, etc.) crosswalk warrant analyses, and mitigation selection. This study was performed to investigate VRU safety and to provide recommendations for future pedestrian crossings based on LADOTD requirements.					
07/21 - Ongoing	St. Tammany Trace Pedestrian Crossing Studies (Contract No. 21-077), City of Slidell, LA: Project Engineer: Oversaw data collection (TMCs, Observations, VRU counts, etc.) crosswalk warrant analyses, and mitigation selection. This study was performed to investigate VRU safety and to provide recommendations for future pedestrian crossings based on LADOTD requirements.					
02/23 - Ongoing	US 61 @ Victoria Pedestrian Study, Baton Rouge, LA: Project Engineer. The focus of this study was to determine pedestrian safety issues and propose alternatives to improve the pedestrian safety along this 0.7 mile corridor. Assisted with the data collection, which included detailed pedestrian origin-destination counts to determine pedestrian paths and crossing locations along US 61. Reviewed the safety analysis including utilizing the CARTS tool to analyze existing crashes. Developed alternatives for further analysis.					
05/24 - Ongoing	Sherwood Forest Extension (Greenwell Springs to Joor Road) Signal Plans (City-Parish Project No. 20-CP-HC-0014), Baton Rouge, LA: Project Engineer. This project is an extension of the previously completed Sherwood Forest Extension Study to develop signal plans for the recommended improvements. It also includes a crosswalk justification memo based on the LADOTD Traffic Engineering Manual requirements.					
09/22 – Ongoing	LRSP Ardenwood Dr Road Diet (Contract No. 4400013850, T.O. No. H.013622.5), East Baton Rouge Parish, LA: Traffic Engineer. Performed peak period determination, organized data collection submittals. Performed existing and future intersection analyses, developed recommendations, and prepared report. The purpose of this traffic study is to analyze the conversion of this 4-lane roadway to a 3-lane roadway section including bike lanes. Safety of VRUs is also a priority and was analyzed within this study.					
09/22 – 07/23	Sugar House Road Extension, Intersection Control Evaluation (ICE) Study, Alexandria, LA: Traffic Engineer. Performed peak period determination, organized data collection, reviewed safety analysis. In the future, will perform existing and future intersection analyses including signal warrants, if necessary, develop recommendations, and prepare report.					
06/23 – 04/24	LA 384 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA: Traffic Engineer. This project included analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned growth. Performed existing and alternative safety analysis, performed existing and future intersection analyses, developed recommendations, and prepared report.					
01/24 – Ongoing	US 190 Corridor (E Gause Blvd) (Contract No. 23-171 PO No. 22307798) St. Tammany Parish, LA: Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned growth. Reviewed existing safety analysis, performed existing and future intersection analyses. In the future, will develop recommendations, perform alternative intersection operational and safety analyses, and prepare report.					



07/24 – Ongoing	US 190 Access Management Stage 0 and Traffic Study (Contract No. 700.21.015) City of Mandeville, LA (16541): Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned growth. Performed peak period determination, organized data collection, reviewed existing safety analysis, performed existing and future intersection analyses. In the future, will develop recommendations, perform alternative intersection analyses, perform alternative safety analysis, and prepare report.
10/22 – Ongoing	LA 383 Corridor Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parishes, LA: Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned development growth. Performed peak period determination, organized data collection, reviewed existing safety analysis. In the future, will perform existing and future intersection analyses, develop recommendations, perform alternative intersection analyses, perform alternative safety analysis, and prepare report.
01/24 – Ongoing	Cedar St Ext. to LA 22 and Roundabout (Contract No. 4400026458, PO No. H.014710) St. Tammany Parish, LA: Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned development growth including extending a roadway and installing a roundabout at one of the study intersections. Performed peak period determination, organized data collection, reviewed existing safety analysis, performed existing and future intersection analyses. In the future, will develop recommendations, perform alternative intersection analyses, perform alternative safety analysis, and prepare report.
02/25 – Ongoing	I-49 at LA 3233 (Harry Gilbeau Road) Traffic Study (Contract No. 4400025299, PO No. H.015986.5): Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned development growth including a roundabout design at one of the study intersections. Performed peak period determination and organized data collection. Reviewed existing safety analysis, performed existing and future intersection analyses, and developed recommendations. In the future, will perform alternative intersection analyses, perform alternative safety analysis, and prepare report.
10/21 – Ongoing	MovEBR Synchronization and Communication Signal Rebuilds – Group 3 and Group 4 (Contract No. 800003327 and 800003805), Baton Rouge, LA: Traffic Engineer. Assisted with preparing signal reports. Created signal plans.
10/21 – 05/22	MovEBR Sherwood Forest Extension, Baton Rouge, LA: Traffic Engineer. This project was concerned with extending Sherwood Forest Blvd from Greenwell Springs Rd to Joor Rd. Assisted with alternative analyses for design years and report preparation.
10/21 – 06/22	Harding Blvd at I-110, Baton Rouge, LA: Traffic Engineer. Performing a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I-110 Ramps in an effort to improve capacity. Performed intersection analyses, tier 1 analyses. Assisted with report preparation.
10/21 – 04/22	US 190 Access Management Project, Mandeville, LA: Traffic Engineer. Performing a traffic study along US 190 from East Causeway Approach to Clausel Street in order to improve capacity. Performed demand calculations. Determined peak periods and peak hours. Performed intersection analyses and tier 1 analyses. Prepared data collection reports and existing analysis and no build analysis report submittals.
03/16 – 04/17	LA 22 Corridor Study (Rou Mar Nei Drive to 1st Street), Tangipahoa Parish, LA: Engineer Intern. Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Helped prepare the traffic report.
02/16 – 04/17	LA 22 (Dalwill Dr to Rodger Storme Rd) Corridor Study, Mandeville, LA: Engineer Intern. Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Helped prepare the traffic report.
01/14 – 12/16	LA 30 Stage 0 (Contract No. 4400001862, T.O. No. H.010572.1), Gonzales, LA: Engineer Intern. Performed intersection analyses for existing and future alternatives using Synchro and SIDRA software. Checked signal timings.
Career History	Mrs. Odenthal joined Neel-Schaffer, Inc. as a student intern in 2010, went full time in 2012 upon her graduation, and joined the Baton Rouge office in 2014. She is a traffic/transportation engineer who works on a range of traffic and transportation projects including intersection/corridor signal timing studies, signal design projects, and other traffic engineering related projects for both public and private projects. Mrs. Odenthal is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Mrs. Odenthal is a certified Professional Traffic Operations Engineer (PTOE) and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Britton Overby, EI		Years of relevant experience with this employer	2
	Title		Engineer Intern		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization			BS / 2025 / Civil Engineering		
	Active registration number / state / expiration date			EI No. 36074 / LA / 09-30-2027		
	Year registered	2025	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Traffic / Safety 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 years of experience specified in the applicable MPR(s).					
03/24 – Ongoing	US 61 at Victoria Dr. Pedestrian Crossing, Baton Rouge, LA: This study sought to determine and alleviate pedestrian safety issues along the US 61 corridor. Assisted with operational analyses, alternative development, and report.					
03/24 - 04/24	Buc-ee’s TIS, Ruston, LA: The purpose of this study is to evaluate the impacts of the Buc-ee’ Travel Center and any associated outparcel developments on the transportation network in the vicinity of the proposed site and evaluate alternatives to mitigate traffic impacts associated with the developments. The study will also include an assessment of site circulation to mitigate its impact on the transportation network. Assisted with data processing.					
03/24 - 07/24	Love’s Travel Stop TIS, Mandeville, LA: This study sought to determine the impacts and potential improvements required to mitigate impacts of the proposed Love’s Travel Stop. Assisted with signal design and signal timings.					
03/24 – Ongoing	US 190 Corridor Traffic Study, Slidell, LA: The purpose of this study is to evaluate capacity, safety, and access management improvements along the US 190 corridor in Slidell, LA. Assisted with operational analyses utilizing Synchro and HCS.					
03/24 - 06/24	Ascension Commerce II TIS, Gonzales, LA: This study sought to determine the impacts and potential improvements required to mitigate impacts of the proposed Ascension Commerce II development. Assisted with data processing and operational analyses utilizing Synchro and Sidra.					
07/24 - 11/25	D02H Flashing Yellow Arrow, Houma, LA: This project aims to incorporate flashing yellow arrows and upgrade applicable intersections across Houma, LA. Assisted with intersection inventory and the development of signal plans.					
05/24 – Ongoing	LA 47 Hayne Blvd Safety Improvements, New Orleans, LA: The goal of this project is to evaluate potential alternatives that will improve safety, speed management and allow for safe travel for all roadway users along the LA 47 corridor. Assisted with data collection and using Synchro for operational analyses.					
05/24 - 01/25	LA 621 Realignment at LA 73, Prairieville, LA: The purpose of this project is to provide engineering and related services to perform minor adjustments to the existing traffic report during the design phase, including but not limited to: restricting movements, realigning road with Hospital driveway, additional of lanes/legs at the roundabout, etc. Assisted with operational analyses utilizing Vissim.					
07/24 – Ongoing	Canterbury Ct Development TIS, Alexandria, LA: This project sought to determine the impacts and potential improvements required to mitigate impacts of a proposed development of 234 single family lots. Assisted with data collection in the field, operational analyses utilizing Synchro, alternative generation and analysis, and report.					
01/25 – Ongoing	Starbucks/4 Corners Traffic Study, Mandeville, LA: The purpose of this study is to evaluate existing driveway access along the four frontage roads adjacent to US 190 and to evaluate alternative intersection control and configurations at the US 190 median opening near Starbucks. Assisted with data collection in the field and operational analyses utilizing Synchro.					
Career History	Britton joined Neel-Schaffer in 2024 as a student intern and transitioned to full-time Engineer Intern after graduating in 2025. During his time with Neel-Schaffer, he has gained experience with multiple traffic impact studies, corridor studies, and signal designs throughout Louisiana. Britton has also completed the DOTD Traffic Engineering Process and Report (TEPR) training course.					



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Barry Brupbacher		Years of experience with this firm/employer	20
	Title		Senior Project Manager		Years of experience with other firm(s)/employer(s)	22
	Degree(s) / Years / Specialization			BA / 1972 / Political Science; MS / 1990 / Urban Studies from the College of Urban and Public Affairs		
	Active registration number / state / expiration date			N/A		
	Year registered		N/A	Discipline		N/A
	Contract role(s) / brief description of responsibilities			PEL / NEPA / Environmental		
Experience dates (mm/yy-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).				
12/14 - 12/19		Stage 0 Feasibility Studies of Modern Roundabouts, Lafayette MPO Area, LA: Stage 0 studies supporting potential roundabouts at 23 intersections. Performed QA/QC of Stage 0 Reports				
07/15 – Ongoing		Mandeville Bypass, St. Tammany Parish, LA: The Mandeville Bypass will provide a new 3-mile median section roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. The project includes roundabout geometry intersections at LA 1088 and US 190. It will also provide multiple entrances to Pelican Park, a major recreation facility serving west St. Tammany Parish. Mr. Brupbacher led the environmental planning for the project which includes analysis of potential wetlands and potential impacts to a T& E species, the Red Cockaded Woodpecker as well as the public involvement, developing traffic forecasts, providing traffic analysis and providing design services for concept routes.				
04/13 - 10/14		St. Tammany Parish Resiliency Program, St. Tammany Parish, LA: Deliverables include short, medium and 20-year demographic forecast, projections of developable area within RPC traffic analysis zones considering potential wetlands, floodplains and other environmental constraints, and recommendations for transportation utility and drainage infrastructure. Project Manager				
Stage 0 Study 04/10 – 12/10 EA 0 5/11 – 02/13		Stage 0 Feasibility Study and Environmental Assessment, Route LA 182 Widening (I-10 to West Pont des Mouton Road), Lafayette Parish, LA: Project supports the widening of LA 182 to four lane capacity. The Study / EA included Public Involvement, traffic studies, environmental screening and alternative concepts for widening the 2-mile route. Multiple roundabouts are provided. Project Manager				
01/10 - 01/11		Route LA 3234 Stage 0 Feasibility Study, Tangipahoa Parish, LA: The project will improve east-west connectivity through Hammond by extending LA 3234 from its current terminus at LA 1065 to Hammond Northshore Regional Airport. Project Planner responsible for the development of the Stage 0 Reports				
07/15 – Ongoing		Mandeville Bypass, St. Tammany Parish, LA: The Mandeville Bypass will provide a new 3-mile median section roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. The project includes roundabout geometry intersections at LA 1088 and US 190. It will also provide multiple entrances to Pelican Park, a major recreation facility serving west St. Tammany Parish. Mr. Brupbacher led the environmental planning for the project which includes analysis of potential wetlands and potential impacts to a T& E species, the Red Cockaded Woodpecker as well as the public involvement, developing traffic forecasts, providing traffic analysis and providing design services for concept routes.				
11/15 – Ongoing		Southcity Parkway Extension, Phase 1, Robley Drive To Kaliste Saloom Road, Lafayette Parish, LA: Environmental Assessment (EA) developed in conformance with USCG guidance, Public Involvement, engineering line and grade and technical environmental studies supporting the design and construction of Southcity Parkway extension from current terminus west of the Vermillion River to Kaliste Saloom Road including a crossing of the Vermillion River. Project Manager				



07/15 – Ongoing	US 90 Pearl River Bridges Environmental Assessment, St. Tammany Parish, LA and Hancock County, MS: Work included the preparation of an Environmental Assessment, as well as line and grade engineering for multiple fixed and movable span bridge alternatives. Work included Public Involvement, navigation studies and supporting environmental studies involving the replacement of five Historic Bridges crossing the Pearl River waterways. Project Manager
01/09 – 12/09	Interstate 10 Frontage Road Feasibility Study in Lafayette, LA: The project involved a traffic and line & grade study of I-10 for a 10-mile corridor extending from LA 93 to Louisiana Avenue in Lafayette, LA. The primary purpose of the project was to develop viable conceptual alternatives for frontage roads parallel to and/or adjacent to the I-10 corridor within the study area. Project Planner supporting the alternatives development.
2000 – 2003	I-49 South, Lafayette Regional Airport to LA 88, Lafayette, St. Martin and Iberia Parishes, LA: Project included the development of traffic studies, line and grade studies and an EIS with ROD. The proposed action by the LADOTD involves converting approximately 12 miles of U.S. 90 in the project area to a full “Control of Access” highway meeting current interstate standards. Project Manager
Career History	Mr. Brupbacher joined Neel-Schaffer in 2006. He has over 40 years of diversified planning experience performing in both public and private sector consulting. His broad range of transportation project experience includes feasibility studies and environmental document preparation for roadway, passenger and freight rail and transit projects. He completed NHI course No. 142005, NEPA and Transportation Decision-making and NTI Course, Managing the Environmental Process. He has also managed planning projects involving economic development planning, multi-use trail planning, planning for port facilities and industrial parks, recreation parks and wetlands restoration. Other infrastructure projects include wetlands restoration, drainage and hydrology studies.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Monica Patel, CERP		Years of relevant experience with this employer	4
	Title		Environmental Manager		Years of relevant experience with other employer(s)	12
	Degree(s) / Years / Specialization			BA / 2006 / Economics; MS / 2010 / Environmental Management		
	Active registration number / state / expiration date			Certified Ecological Restoration Practitioner, #0339		
	Year registered	2019	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Public Involvement & Outreach; PEL / NEPA / Environmental		
Experience dates (mm/yy-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		Government Ditch Watershed Plan and Restoration, Coahoma County, MS. MS Soil & Water Conservation Commission. Environmental Manager. Led Environmental Assessment (EA) efforts on a project to restore and stabilize a failing stormwater channel. The goal of the project is to implement permanent stabilization structures to reduce sediment transport and improve water quality in the Sunflower River, which has a TMDL for pathogens, and to decrease flooding within the HUC12 watershed. Coordinated environmental technical fieldwork and reporting efforts, and served as the primary author of the EA, ensuring comprehensive evaluation and compliance with USDA NRCS guidelines and NEPA regulations.				
10/24 – Ongoing		Jackson County Resiliency Plan, Jackson County, MS. Jackson County Board of Supervisors. Environmental Planning. Supported environmental planning activities for a countywide coastal resiliency initiative aimed at reducing flood risk, improving infrastructure resilience, and guiding future investments across Jackson County. Responsibilities included reviewing and commenting on the project’s Community Engagement Plan to strengthen inclusive public participation. Contributed to plan analysis by evaluating potential regulatory considerations, environmental constraints, and flood-prone areas using existing land use and infrastructure data. The project is funded to develop long-term resiliency strategies addressing coastal hazards, climate impacts, and infrastructure vulnerabilities at the regional scale.				
08/22 – 04/24		Rhodes Bayou Maintenance and Flood Mitigation City of Moss Point. Environmental Scientist. Conducts habitat assessment, submerged aquatic vegetation study, Section 404/401 permitting, and agency coordination with MDEQ, MDMR, and USACE. The project aims to mitigate flooding during storm events to the local residential community while maintaining water quality standards.				
07/22 – 06/23		Salt Bayou Marsh Creation Environmental Screening St. Tammany Parish. Environmental Scientist conduct a desktop evaluation of current environmental conditions in the project area to inform project development and the permitting process. The project includes the design of a marsh restoration project along the northeast border of Lake Pontchartrain in response to historic wetland loss. The project goal is to create 278 acres and nourish 155 acres of marsh; 433 total acres of wetland restoration. The project consists of one marsh creation site and three marsh nourishment sites.				
11/22 – 09/23		Queensburg Avenue Property HUD Floodplain and Wetlands Evaluation. Jones County, MS. Environmental Project Lead. Completed the wetlands and floodplains components of the HUD EA for the construction of a new apartment complex for eligible low-income families, elderly, and persons with disabilities. Wetlands component included field delineation, data collection and mapping using Trimble equipment and ArcGIS, agency coordination, and HUD worksheets. Floodplains component included an 8-step process, public involvement, and HUD worksheets.				
07/22 – Ongoing		Bayous Maintenance Dredging, Gautier, Jackson County, MS. Jackson County Board of Supervisors. Environmental Scientist. Conduct submerged aquatic vegetation survey, habitat assessment, avoidance and minimization guidance, Section 404/401 permitting, and agency coordination with MDEQ, MDMR, and USACE.				



05/24 – Ongoing	Burns Bottom Redevelopment, Columbus, Lowndes County, MS. Columbus Redevelopment Authority. Environmental Project Lead. Preparing in HUD's HEROS system for a 15-acre brownfield redevelopment project located in a designated floodplain. Scope includes an evaluation of 25 environmental factors under 24 CFR Part 58, with specific emphasis on flood-plain management, wetlands, land use compatibility, and potential contamination. Work included conducting a preliminary wet-land and floodplain assessment and initiating the 8-step decision making process under Executive Orders 11988 and 11990. Coordination efforts supported alignment with local redevelopment goals, and mitigation documentation was developed to facilitate HUD compliance and project approval.
08/24 – Ongoing	Okhissa Lake Scenic Rivers Community Development, Franklin County, MS. Scenic Rivers Development Alliance. Environmental Project Lead. Conducted environmental review for a HUD-funded community development project adjacent to Okhissa Lake within the Homochitto National Forest. Project scope includes construction of approximately 9,650 feet of access and internal roads, multi-use trails, culverts, parking areas, and stormwater infrastructure. Responsibilities included floodplain and wetland impact assessment, support for HUD Part 58 compliance, and evaluation of drainage design in relation to storm-water best management practices.
11/24 – Ongoing	Emergency Drainage Rehabilitation, Moss Point, Jackson County, MS. City of Moss Point. Environmental Project Lead. Environmental coordination conducted for a HUD CDBG-DR funded emergency drainage rehabilitation project spanning seven road segments over approximately 7 miles in Moss Point, Mississippi. The project aims to restore storm-damaged drainage systems and mitigate future flood risks resulting from Hurricanes Ida and Zeta. Coordination included early consultation with the U.S. Army Corps of Engineers (USACE), Mississippi Department of Marine Resources (MDMR), and Mississippi Department of Environmental Quality (MDEQ) to evaluate potential impacts to wetlands, tidal wetlands, and water quality. Project elements were assessed to determine permitting requirements, and regulatory feedback was used to confirm components that fall outside of Section 404/401 jurisdiction. Completed the U.S. Fish and Wildlife Service (USFWS) IPaC submission and secured a no effect determination for federally listed species. Efforts support HUD Part 58 compliance and facilitate environmental clearance for critical infrastructure rehabilitation.
03/19 – 12/19	Coastal Preserves Spatial Ecological Risk Assessment and Management Planning, Coastal Counties, MS. Geo-spatial Analyst. Led spatial modeling efforts for a multi-parameter comprehensive ecological risk assessment. Utilized advanced geospatial analysis techniques and ecological modeling in ArcGIS software to evaluate risks across more than 35,000 acres within 13 coastal sites. Results informed the management plan to develop site-specific strategies to mitigate identified risks and enhance ecological resilience.
06/17 – 02/19	Coastal Marsh Reference Site Monitoring for Beneficial Use Site Design, Coastal Counties, MS. Environmental Scientist. Conducted bi-annual vegetation and elevation/topography surveys at three reference sites over three years to inform the design of beneficial use sites. Conducted field data collection, GIS analysis, and tabular data analysis. Prepared site reports summarizing findings of each monitoring event and cumulative analysis to identify vegetation and elevation trends.
Career History	Monica Patel is an accomplished Environmental Manager with 15 years of experience in planning, restoration, monitoring, and geospatial analysis. She leads comprehensive environmental studies in coastal environments, and she has directed diverse natural resource studies including stream and wetland delineations, submerged aquatic vegetation surveys, protected species surveys, invasive species surveys, habitat assessments, elevation surveys, and shoreline change surveys. She is proficient in using Trimble and RTK GPS equipment for precise geospatial data acquisition and ESRI ArcGIS software for advanced spatial analysis, comparison analysis, and cartographic mapping. Her extensive experience with NEPA compliance includes securing numerous approvals, from Categorical Exclusions to Finding of No Significant Impact Reevaluations, for a variety of federal agencies.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Ellen Soll, AICP			Years of relevant experience with this employer	<1
	Title	Senior Project Manager			Years of relevant experience with other employer(s)	20
	Degree(s) / Years / Specialization		BS / 1998 / Anthropology; MS / 2004 / Community & Regional Planning			
	Active registration number / state / expiration date		AICP No. 22382 / all / 12-31-2027			
	Year registered	2008	Discipline	Planning		
	Contract role(s) / brief description of responsibilities		PEL / NEPA / Environmental MPR 4			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
12/24 – 10/25	Lake Charles Safety Action Plan, Active Transportation Plan, and Non-Motorized Design Guide, Lake Charles, LA: Ellen was the Project Manager for the Lake Charles Safety Action Plan and Active Transportation Plan, a federally funded Safe Streets and Roads for All (SS4A) initiative. As Project Manager, she was responsible for the delivery of all aspects of the plan, ensuring federal grant compliance and eligibility for future funding rounds under the SS4A program. This included public engagement, stakeholder coordination, securing the leadership commitment, equity planning analysis, non-infrastructure recommendations, performance management recommendations, the development of the High Injury Network (HIN) and identification of projects to address crashes throughout Lake Charles. This project also included the development of a HIN map, active transportation plan, bicycle network and non-motorized design guide to steer future improvements with best practice design guidance.					
10/23 – 12/24	Path to Zero: Safe Streets for All (SS4A) Plan, St. John the Baptist, Tangipahoa, and St. Tammany Parishes, LA: Ellen was Project Manager as a subconsultant on this Safety Action Plan for a three-parish area. She was responsible for the delivery of public engagement, stakeholder coordination, leadership commitment, equity planning analysis, non-infrastructure recommendations and performance management recommendations. This project won an “Excellence for a Planning Process” award from the Louisiana APA in 2025, and the City of Natchitoches awarded two additional grants under the same program to implement the solutions recommended in the plan. This project included a network screening for a High Injury Network (HIN) and development of projects to address Vulnerable Road User (VRU) crashes and high risk locations.					
11/23 – 12/24	NLCOG Regional Active Transportation Plan, Bossier, Caddo, DeSoto and Webster Parishes, LA: Ellen was Project Manager for this Regional Active Transportation Plan developed to build a complete network for active transportation across the four-parish area. Ellen was responsible for all technical analyses, public engagement, and client interactions. A standalone non-motorized design guide was created as a tool to assist local governments with context appropriate design of facilities going forward. For this plan, each proposed project was evaluated using a four-point scale for implementation feasibility. This project received an honorable mention for a Transportation Focus in the 2025 Louisiana APA “Excellence for a Plan” award category.					
07/23 – 10/24	SCPDC Bicycle and Pedestrian Safety Plan, Seven Parishes in South Central Louisiana: Ellen was Project Manager in this effort to assist South Central Planning and Development Commission (SCPDC) with completion of their Bicycle and Pedestrian Safety Plan. SCPDC began a Bicycle and Pedestrian planning process in 2019 which was temporarily halted during the COVID-19 pandemic. The team paired the previously conducted stakeholder engagement with a latent demand analysis, crash analyses, funding resources, and an action plan with key pedestrian projects and a bicycle network for the seven-parish area. This project received a National Association of Development Organizations (NADO) Excellence in Regional Transportation Award in 2025.					
12/22 – 10/23	Victoria Active Transportation Master Plan, Victoria, TX: Ellen served as Project Manager on this effort to prepare an Active Transportation Master Plan to make it safer and more comfortable to walk, bike and roll in Victoria, TX. As Project Manager, Ellen was responsible for all deliverables, including risk-based safety and crash analysis, latent demand analysis, level of stress analysis, sidewalk gap analysis, public engagement, and stakeholder involvement. Ellen led the development of an active transportation network plan to address safety and create an all-ages network for the city through bicycle infrastructure, sidewalks, trails, crossing features and other safety measures.					



12/20 – 03/22	Capital Regional Bicycle & Pedestrian Plan, Ascension, East Baton Rouge, Iberville, Livingston and West Baton Rouge Parishes: Project Manager for a subconsultant firm responsible for oversight of crash analysis; safety evaluation, and base-mapping for this regional bicycle and pedestrian plan for the Baton Rouge area, as a subconsultant to another firm. Ellen also oversaw the development of all policy and land use recommendations at the local and regional level.
06/17 – 12/18	Safe Streets for Everyone – A Transportation Safety Campaign for Orleans Parish, Orleans Parish, LA: Working as a subconsultant, Ellen’s responsibilities included community outreach, and coordination of the Community Outreach Work Group and Traffic Operations and Enforcement Work Group, as a member of the project team on this active transportation media and education campaign for New Orleans. “You’re Not Alone on the Road, Create Safe Streets for Everyone” was the project tag line, encouraging a shared responsibility for the safety of people walking, biking, and driving in the New Orleans area.
07/15 – 10/17	NORPC Complete Streets Workshop Series & Community Education Program Tangipahoa Parish, LA, St. John the Baptist and St. Bernard Parishes, LA: Ellen was a co-presenter on this Complete Streets Workshop effort – providing Complete Streets resources and training to the Cities of Hammond, Ponchatoula, St. John the Baptist Parish and St. Bernard Parish. Ellen co-led the four workshops, developed policy language, and led groups of participants on a “Walking Audit.”
08/14 – 12/15	Long Range Bicycle Map, Statewide LA: Ellen was an active transportation planner on a statewide effort to develop context - appropriate bicycle facility improvements for the state bicycle network, now referred to as “The Bicycle Planning Tool.” This effort entailed detailed development and assessment of the state bicycle network, including developing a GIS-based Bicycle Level of Service (BLOS) Model, crowd-t-sourced Strava cycling data, and the development of a derived demand analysis methodology based on a combination of transportation and land use factors. Ellen was responsible for a significant amount of the conceptual development of the tool, data analysis and product delivery, as well as stakeholder participation and outreach as a subconsultant and subject matter expert. The Tool is now available on LADOTD’s Open GIS site with the intention of wide usage for active transportation planning throughout the state.
03/13 – 03/15	Complete Streets Implementation, Statewide, LA: Ellen was the principal planner responsible for assisting LADOTD with the development of an Implementation Program of the Louisiana Complete Streets Policy from 2013 through 2015. Her primary project responsibilities were coordination of the legislatively mandated Louisiana Complete Streets Advisory Council and the development of an implementation plan and performance measure framework to be used for annual reporting back to the Louisiana Legislature.
01/11 – 02/12	Louisiana Bicycle Suitability Map, Statewide, LA: Ellen served as project manager for the Prime consultant. The project analyzed the state highway network for bicycle compatibility. Final products included an updated State Bicycle Map, supporting documentation and GIS databases for the Department’s further use. Ellen was responsible for the development of mapped and tabular products, technical documentation, oversaw advisory committee coordination and GIS methodology and development of GIS model.
01/08 – 12/09	Louisiana Statewide Bicycle & Pedestrian Master Plan & Complete Streets Workgroup (Phases I and II), Statewide, LA: Ellen served as active transportation planner, providing research analysis, and developed all preliminary and final products. Ellen coordinated, conducted and presented at six in-person community meetings with over 300 attendees across the state. In response to a request of the Louisiana legislature, this project called for the coordination of Complete Streets Work Group and development of a Complete Streets Policy for the LADOTD. Ellen was responsible for coordinating and facilitating four work group meetings, garnering support, and was the primary author of the official Louisiana Complete Streets Policy. The LADOTD policy was evaluated and found to be one of the strongest internal state policies in the nation by the National Complete Streets Coalition and this process and plan received the “Excellence for a Planning Process Award” from the American Planning Association Louisiana Chapter.
Certificates & Training	NEPA and Transportation Decision Making Process
Career History	Ellen Soll joined Neel-Schaffer in 2025 and serves as a Senior Project Manager based in the firm’s New Orleans (LA) Office. Ellen is an experienced transportation planner and project manager specializing in safety action planning and active transportation initiatives. With a strong track record of leading federally funded Safe Streets and Roads for All (SS4A) projects, Ellen has successfully delivered comprehensive plans across multiple jurisdictions, including urban, regional, and rural communities.



12. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.

Name	Chase Hughes			Years of relevant experience with this employer	2
Title	Environmental Scientist			Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			BS / 2023 / Conservation Biology		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Wetlands / Threatened and Endangered Species		

Experience dates (mm/yy-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 – Ongoing	MDOT Jackson Heart Museum Trail, Jackson, MS: Environmental scientist responsible for completing the WOTUS delineation of the approximately 3-mile project corridor. Assisted in conducting technical studies (Phase I ESA, Cultural resources survey).			
02/24 – 05/24	MDOT Wingo Way Extension, Starkville, MS: Environmental scientist involved with completing the noise study, wetland and stream delineation, and cultural resource survey for a new location roadway and multi-use path project			
06/24 – 10/24	MDOT 8th Street Improvements, Meridian, MS: Environmental Scientist responsible for completing the WOTUS delineation of the approximately 1-mile project corridor.			
05/25 – 07/25	MDOT West North Street Pedestrian Pathway, Pass Christian, MS: Environmental scientist responsible for completing the WOTUS delineation and completing the CWA section 404 Joint Permit Application.			
05/25 – 03/26	MDOT US 51 RR Bridge, Pike County, MS: Environmental scientist responsible for completing the WOTUS delineation of the project corridor spanning between McKay and Hayles Roads. Assisted in conducting technical studies (Phase I ESA).			
05/25 – 09/25	MDOT West Drive Roadway and Bridge Improvements, Laurel, MS: Environmental scientist responsible for completing the WOTUS delineation of the approximately 1-mile project corridor.			
09/25 – 01/26	MDOT Elder Ferry Road South of Interstate 10 Improvements, Moss Point, MS: Environmental scientist responsible for completing the WOTUS delineation of the project corridor along Elder Ferry Road, Amoco Drive, Jamestown Road, and Dutch Bayou Road.			
11/24 – 11/25	SRDA Scenic Rivers Community Development, Meadville, MS: Environmental scientist involved in the WOTUS delineation and phase I site assessment of an approximately 150-acre study area.			
02/24 – 09/24	Port Bienville – Site Due Diligence, Hancock County, MS: Delineated wetlands and other aquatic resources and completed surveys for the presence of threatened and endangered species for multiple project sites within the Port Bienville Industrial Park.			
09/24 – 11/25	Lowery Island Restoration, Pascagoula, MS: Delineated wetlands and other aquatic resources for a project site that encompassed areas of estuarine and aquatic habitat. Completed surveys for the presence of oyster beds and submerged aquatic vegetation at the request of the Mississippi Department of Marine Resources.			
02/25 – 03/25	Port Bienville – Site 6, Hancock County, MS: Delineated wetlands and other aquatic resources and completed a survey for the presence of threatened and endangered species for a project site located within the Port Bienville Industrial Park.			
10/25 – 12/25	Mr. Hughes joined Neel-Schaffer in 2024 and serves as an Environmental Scientist based in the firm’s Biloxi (MS) office. He has experience in delineations of wetlands and other waters of the United States, desktop analysis of potential wetland areas, threatened and endangered species assessments, submerged aquatic vegetation surveys, phase 1 environmental site assessments, storm water monitoring, the HUD environmental review process, and coordination with local and federal government agencies. He is proficient in ArcGIS mapping software and experienced with Trimble data collection tools. Mr. Hughes has conducted numerous wetland delineations throughout Mississippi and Alabama and is well versed in the standards implemented by the United States Army Corps of Engineers.			



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Cody Hufstetler	Years of relevant experience with this employer		3
	Title		Environmental Manager	Years of relevant experience with other employer(s)		5
	Degree(s) / Years / Specialization			BS / 2018 / Biology; BS / 2018 / Ecology		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Cultural Resources MPRs 8 & 9		
Experience dates (mm/yy-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).					
07/23 – 07/25	PI 0018362, GDOT Design Build Bridge Replacements at 6 locations in District 4: Act as Design Build team Environmental Project Manager for 6 design build bridges in GDOTs District 4. Liaison with design team for avoidance and minimization of impacts to environmental resources. Responsible for authoring and obtaining USACE 404 permits and stream buffer variances, mitigation acquisition, and overseeing protected species surveys before and during construction.					
07/23 – Ongoing	PI 0017937, State Route 85 at CSX #639361Y in Woodbury, GA: Bridge Replacement over CSX #639361Y in Woodbury. Act as consultant environmental manager, responsible for scope, schedule, and budget of all environmental activities. Manage subconsultant of historical, archeological, and ecological surveys and documentation. Responsible for NEPA resource surveys, coordination with project stakeholders, as well as production and completion of public outreach activities. Liaison with design team for avoidance and minimization of impacts to environmental resources.					
07/23 – Ongoing	PI 0017940, State Route 74 at Elkins Creek, Molena, GA: Bridge Replacement over Elkins Creek, 2 miles south of Molena. Act as consultant environmental manager, responsible for scope, schedule, and budget of all environmental activities. Manage subconsultant of historical, archeological, and ecological surveys and documentation. Responsible for NEPA resource surveys, coordination with project stakeholders, as well as production and completion of public outreach activities. Liaison with design team for avoidance and minimization of impacts to environmental resources.					
07/23 – Ongoing	PI 0017236, State Route 21 BU/State Route 73 @ ORC #620102E, Sylvania, GA: Bridge Replacement over ORC #620102E in Sylvania. Act as consultant environmental manager, responsible for scope, schedule, and budget of all environmental activities. Manage subconsultant of historical, archeological, and ecological surveys and documentation. Responsible for NEPA resource surveys, coordination with project stakeholders, as well as production and completion of public outreach activities. Liaison with design team for avoidance and minimization of impacts to environmental resources.					
07/23 – 05/24	ALDOT I-65 Widening: Widening of Interstate 65 in Alabama, from Exit 231 to 234. Provide support for production of PIOH materials and CE materials. Provide technical and quality reviews for public outreach materials and videos. Support in completion of NEPA analysis, stakeholder coordination, and early coordination materials.					
07/23 – 08/24	ALDOT IM-I459, New Interchange on Interstate 459 at Milepost 9, Birmingham, AL: Provide support for production of Categorical Exclusion. Provide technical and quality reviews for the Categorical Exclusion. Support in completion of NEPA analysis, stakeholder coordination, and early coordination materials.					
05/22 – 07/23	PI 0010352 and 0013910, State Route 316 at SR 211 and SR 316 at CR 329/Barber Creek Road (Bundle 1), Design Build: Acted as Pre-Let Environmental Project Manager whose duties include overseeing field survey, reporting, agency consultation, public involvement, NEPA documentation, and authoring environmental technical provisions. Led supplemental public involvement effort, prepared NEPA Categorical Exclusion, and led USACE and FHWA consultation in conjunction with PMC.					



05/22 – 07/23	PI 0013767, State Route 316 at CR 55/Jimmy Daniel Road (Bundle 2), Design Build: Acted as Pre-Let Environmental Project Manager whose duties included overseeing field survey, reporting, agency coordination, public involvement, and NEPA documentation. Led USACE and FHWA conjunction with PMC.
Certificates & Training	NEPA and Transportation Decision Making Process, FHWA-NHI-142005GDOT Plan Development Process Wetland Basic Wetland Delineation, Duncan and Duncan Advanced Hydric Soils, Hydrology, and Regional Indicators (Coastal Plain and Piedmont), Duncan and Duncan Hydrophytic Vegetation (Coastal Plain and Piedmont) Duncan and Duncan Inter-agency Section 7 Consultation for Endangered Species, Duncan and Duncan
Career History	Cody serves as Neel-Schaffer's Georgia Environmental Manager, based in the Atlanta office. He has extensive experience providing environmental services supporting federal, state, and locally funded transportation projects. He oversees NEPA compliance and permitting for Georgia Department of Transportation projects and other clients in the region and has extensive experience supporting design build and traditional delivery projects. His experience includes NEPA compliance, ecological impact assessment, and permitting for GDOT bridge replacements, widening, roundabouts, and intersection improvements. Cody has spent time embedded with GDOT OES's NEPA section, providing him hands on experience with GDOT and their federal counterparts. In the past Cody has executed public engagement plans, individual 4(f) assessments, and a variety of NEPA decisions. He is well versed in GDOT PDP and navigating the environmental constraints commonly associated with transportation projects. This experience allows him to promote protection of environmental resources while supporting effective project delivery.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Lisa D. Morrison, RPG			Years of relevant experience with this employer	3
	Title	Geologist			Years of relevant experience with other employer(s)	39
	Degree(s) / Years / Specialization			BS / 1984 / Geology; MS / 1991 / Geology		
	Active registration number / state / expiration date			Registered Professional Geologist: FL PG1894; MS 0738		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Wetlands / Threatened and Endangered Species MPRs 8 & 9		
Experience dates (mm/yy-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).					
06/12 – 05/14	Jackson County Port Authority, Tiger Grant, Pascagoula, Jackson County, MS: Environmental Project Manager. Project Cost: \$50,000. Multi-modal transportation project with environmental impacts. Wetland delineation. Correspondence with local, state and federal agencies. Prepared National Environmental Policy Act documentation including Environmental Assessment and Finding of No Significant Impact.					
05/14 – 06/15	Hancock County, Tidal Marsh Restoration, Hancock County, MS: Environmental Project Manager. Restoration of damaged tidal marsh. Plan approved by Mobile District Corps of Engineers. Included grading and planting, monitoring. Reached performance success within one year of planting.					
12/10 – 09/18	Restoration of Hancock County Beaches, Hancock County, MS: Environmental Project Manager. Project Cost: \$20,000. Permitting for nearshore and offshore beach re-nourishment. Permitting for outfall structure repair and improvement.					
04/15 – 12/21	Jackson County Board of Supervisors and Huntington Ingalls Industries, Phase I ESA, Update NEPA documents and Environmental Review Record for Maritime and Metal Trades Training Annex, Pascagoula, MS: Project Cost: \$12,500. Phase I ESA for proposed project location. Correspondence with local, state and federal agencies for input on impacts from the project. Update Format II documentation for public review. Prepare Early and Late Public Notices, Publication of FONSI and RROF.					
Career History	Lisa Morrison joined Neel-Schaffer in 2023 and has over 32 years of experience in environmental permitting for civil site development, assessment and remediation of controlled hazardous waste sites, environmental due diligence including Phase I and Phase II ESAs, asbestos and lead based paint assessments and remediation, and Environmental assessments for federal projects using NEPA. Lisa has managed projects involving coordination with various local, state and federal agencies to obtain project approval and for permitting requirements. Ms. Morrison has experience with Section 404 Wetlands Permitting of projects in the United States Corps of Engineers Mobile District. She has experience with projects ranging from one acre in size to several hundreds of acres. Ms. Morrison has prepared Mitigation Plans for wetland impacts for individual and nationwide permits from the Corps of Engineers. Ms. Morrison has prepared Storm Water Pollution Prevention Plans for large and small construction projects. She has prepared Spill Prevention, Control and Countermeasures Plans for industrial facilities. Lisa has prepared over 500 Phase I ESAs for various commercial, institutional, multi-family and industrial properties. Ms. Morrison is familiar with the ASTM standard 1527-13 and the All-Appropriate Inquiry rule promulgated by EPA in 40 CFR Part 312 adopted November 2005. Ms. Morrison has conducted Phase I's throughout the southeast including Mississippi, Alabama, Louisiana, Florida, and Texas. Ms. Morrison has utilized various intrusive techniques for soil and groundwater assessments.					



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Haley Streuding, RPA		Years of relevant experience with this employer	6
	Title		Archaeologist		Years of relevant experience with other employer(s)	12
	Degree(s) / Years / Specialization			BA / 2001 / Political Science; BA / 2007 / Anthropology; MS / 2014 / Anthropology		
	Active registration number / state / expiration date			Professional Archaeologist No. 32026903 / MS / 12-31-26		
	Year registered	2014	Discipline	Archaeology		
	Contract role(s) / brief description of responsibilities			Cultural Resources MPR 10		
	Experience dates (mm/yy-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).			
06/23 – 04/24		H.011242:LA 384 (Big Lake Rd. to McNeese St. , Calcasieu Parish, LA: Principal Investigator. This project proposes improvements along LA 384 from Lisle Peters Rd. to LA 3092 (Lake St.). Improvements include the construction of a three-lane section (two travel lanes with a two-way-left-turn lane) from Lisle Peters Rd. to Elliott Rd. and the construction of a four-lane median divided roadway between Elliott Rd. to LA 3092. This project includes U-turns and signal improvements as well as complete streets. The project included a stage 0 report, checklists, conceptual layout, and cost estimates. Provided Archaeological Services.				
02/20 – 01/22		H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road), Desoto Parish, LA: Principal Investigator. This project provides a connection between I-49 and the proposed future I-69. The project included a stage 0 report, checklists, conceptual layout, and cost estimates. The project also included turn lanes, upgrading, and extending existing roadway. Responsible for conducting a desktop review of cultural resources within the vicinity of the project area (Archaeological Services).				
02/20 – 01/22		H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road), Caddo Parish, LA: Principal Investigator. This project when combined with the proposed I-69 project will provide a connection between Port of Caddo-Bossier and I-49. The project included a stage 0 report, checklists, conceptual layout, and cost estimates. The project also included turn lanes, bridge replacements, upgrading and extending existing roadway to current design guidelines. Responsible for conducting a desktop review of cultural resources within the vicinity of the project area (Archaeological Services).				
10/22 – Ongoing		LA 383 Corridor Stage 0 Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parishes, LA: Principal Investigator. Performed cultural resources desktop review.				
06/23 – 04/24		LA 384 Stage 0 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA: Principal Investigator. Performed cultural resources desktop review.				
07/25 – 01/26		North Rail Connector, Jackson County Port Authority, Moss Point, MS: Principal Investigator for project that proposes construction of a connector railroad over tidal marsh. Included preparation of a RESTORE Act Checklist, a NEPA Environmental Assessment and coordination with the Federal Railroad Administration to obtain a CRISI grant for construction of a connector railroad over tidal marsh.				
04/25 – 10/25		Mississippi Department of Transportation, U.S. Highway 51 Railroad Bridge Construction, Pike County, MS: Environmental Manager and Lead Archaeologist for proposed construction of a railroad bridge over US Highway 51. Conducted a Phase I cultural resources survey of the project area and prepared the ENV-160. The project will include (1) the construction of a new 800-foot-long bridge with two travel lanes over the southeastern railway, (2) the construction of a 0.27-mile (0.43-km) one-lane access road connecting two residences to McKay Road, and (3) the removal of the intersection of U.S. Highway 51 and the existing gravel road utilized by the residences in Magnolia, Mississippi.				
05/23-06/24		The City of D’Iberville, Mallett Road/Sangani Boulevard Intersection Improvements: Principal Investigator for a re-evaluation of the Interstate (I)-10 Connector Road project. This re-evaluation is required since additional roadway improvements along Mallett Road, Sangani Boulevard, and Lamey Bridge Road resulted in a design change in the originally planned improvements. Responsible for conducting the cultural resources survey (CRS) and authoring the report. Re-evaluation was completed and approved by FHWA 06/2024.				



10/23 – 01/25	Mississippi Department of Transportation, I-10 Planning and Environmental Linkages (PEL) Study, Jackson County, MS: Environmental Scientist/Planner and Principal Investigator for the PEL study that includes a study corridor approximately 20 miles along I-10 in Jackson County, Mississippi, between SR 57 in Gautier and the Mississippi/Alabama State Line near Grand Bay, Alabama. The study corridor includes two key interchanges at SR 613 and SR 63. Responsible for coordination of environmental studies (public involvement, agency coordination, wetlands, protected species, air, noise, history, archaeology).
11/21 – 09/22	Mississippi Department of Transportation, Interconnecting Gulfport Airport Road Extension & Interstate 10 Overpass, Gulfport, MS: Archaeologist for the EA/FONSI to provide transportation infrastructure that will improve the flow of vehicular traffic around the Interstate 10 and US 49 interchange and that will encourage existing and support new commercial and economic growth. Responsible for directing the CRS, authoring the report, and attending public involvement meetings. FONSI was completed and approved by FHWA 09/2022. Wetland permitting is in process. Project information is available at www.interconnectinggulfport.com .
11/21 – 05/22	Mississippi Department of Transportation, Hall Avenue West , Hattiesburg, MS: Principal Investigator for a project that proposes to improve function and safety for both vehicular traffic and pedestrian traffic along Hall Ave. The project provides improved drainage and additional sidewalk, median, and lighting improvements along Hall Ave. In addition, Hall Ave. crosses the existing Norfolk Southern railroad at grade. Providing a bridge over the railroad will allow pedestrians, vehicular traffic, and emergency vehicles to access the Hall Ave corridor without being blocked by trains. Responsible for conducting the CRS and authoring the report. The CE was completed and approved 05/2022.
09/20 – 12/23	Roy Cumbest Bridge Replacement Project, Jackson County, MS: Principal Investigator. Principal Investigator. Conducted a Phase I cultural resources survey and authored report for a proposed bridge replacement in Jackson County. Work performed for the Jackson County Board of Supervisors.
6/20 – 12-20	Sabine River Marine Remote Sensing Project, Newton County, TX, Vernon Parish, LA (TxDOT): Marine Archaeologist on a remote-sensing survey of the water bottoms of the Sabine River at the crossing of Texas Highway 63/Louisiana Highway 8, Jasper County, Texas, and Vernon Parish, Louisiana. The survey, undertaken under contract to the Texas Department of Transportation, includes survey of the present bridge location as well as the proposed location of a new bridge crossing. Served as co-director of the fieldwork and assisted the Remote-Sensing Specialist in the collection of magnetometer, side-scan sonar and fathometer data. Contributing author to the draft and final reports. Project Value: \$78,826.00
2019 – 2020	IH-35 Red River Bridge Improvements, Cooke County, TX, and Love County, OK (TxDOT): Marine Archaeologist on a Phase I remote-sensing survey of the water bottoms within Red River at the crossing of the Interstate Highway (IH) 35 bridge between Cook County, Texas, and Love County, Oklahoma. The survey, undertaken under contract to the Texas Department of Transportation, entailed use of a magnetometer, side-scan sonar, and fathometer, and required the use of an airboat in the extremely shallow waters of the Red River. In some cases, the magnetometer was used on a pedestrian survey of the sandbars in the river. Ms. Streuding conducted pre-field historical research, aided in data interpretation, and contributed to the final report. Project Value: \$52,500.40
2019 – 2020	Living Shoreline and Reefs in Mississippi Estuaries Project: Project Manager and Marine Archaeologist for a series of Phase I cultural resources surveys related to five oyster reef restoration and shoreline stabilization projects in Harrison and Jackson counties, Mississippi. Work was performed for Covington Civil and Environmental, LLC, under contract to the Mississippi Department of Environmental Quality. Overall, ca. 265 acres of water bottom were surveyed, plus terrestrial investigations along adjacent shoreline and marsh areas. Ms. Streuding conducted historical research, directed both the underwater and terrestrial portions of the survey, prepared the terrestrial Phase I survey results, and co-authored the Phase I report for both the terrestrial and underwater portions of the project. Project value: \$59,841
Career History	Ms. Streuding joined Neel-Schaffer in 2020 and is a Registered Professional Archaeologist (RPA), based in the firm's Biloxi (MS) office. She has 20 years of experience in the archaeological field, providing a wide variety of services on projects around the world. She has extensive experience directing Phase I cultural resources surveys, Phase II archaeological testing, and Phase III data recovery/mitigation, as well as conducting archaeological monitoring throughout the south and southeast. She has assisted in several marine geophysical surveys and data acquisition, as well as marine remote sensing data interpretation. She has overseen multiple terrestrial and marine archaeological projects and has participated in data recovery and site mitigation projects, including human burial excavations. Her area of expertise is in cultural resource management and Section 106 compliance, clearance, and planning. She has demonstrated the ability to carry projects to completion and has authored over 70 technical reports. She has experience working with multiple federal and state agencies, including the Departments of Transportation in Alabama, Mississippi, Louisiana, and Texas.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Amber Ray, MHP		Years of relevant experience with this employer	1
	Title		Historian		Years of relevant experience with other employer(s)	36
	Degree(s) / Years / Specialization			BS / 1987 / Journalism/Mass Communications; MA / 2017 / Heritage Preservation		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Cultural Resources MPR 11		
Experience dates (mm/yy-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).					
10/22 – 08/23	GDOT, PI #0010318, Interchange Improvement Project on I-75 at County Road 421/ Chula Brookfield Road (Exit 69), Tift County, GA: Senior Historian. Amber performed a historic resource survey, writing a Notification Letter, the Historic Resource Survey Report, Early Coordination Letters, a No Historic Properties Affected (NHPA) document, developed the Public Information Open House (PIOH) documents and post card for the project, delivered the post cards for distribution within the county, participated in the review of the PIOH responses and wrote the PIOH response letter to the respective parties, coordinated with OES and SHPO for document reviews and concurrences					
06/21 – 04/22	Historic Resource Survey, Roswell, GA: Senior Historian for this project that was completed in April 2022. The comprehensive historic resources survey of 589 historic parcels included buildings, structures, sites, and objects constructed before 1980 and were located within and adjacent to the locally designated Roswell Historic District. The survey was funded by the National Park Service and the U.S. Department of the Interior through the Historic Preservation Division of the Georgia Department of Natural Resources. The survey identified and evaluated (or reevaluated where applicable) resources within the study area for their eligibility for listing in the NRHP; helped to provide a clear statement and justification of the boundaries of the surveyed area; and included a summary of previous preservation project local designations, HABS/HAER/HALS listings, and other historic preservation planning efforts. All survey data was entered into GNAHRGIS, recommendations were provided for future preservation activities, and a complete survey report was presented to the City of Roswell to provide to the Historic Preservation Division of the Georgia Department of Natural Resources.					
6/22 – 09/23	GDOT, PI #0017232, I-20 EB and WB at Oconee River and Oconee River Overflow, Greene and Morgan Counties, GA: Senior Historian. Amber performed a historic resource survey, in addition to writing a Notification Letter, the Historic Resource Survey Report (HRSR) and a No Historic Properties Affected (NHPA) document, coordinating with OES and SHPO for document reviews and concurrences. This project involved the replacement of four existing bridges on I-20 over Oconee River and the river’s overflow area in Greene and Morgan Counties located six miles south of Greensboro, GA. There were two eastbound bridges in the series and two westbound bridges in the series.					
12/21 – 09/22	Historic Resource Survey, City of Hartwell, GA: Senior Project Historian for this project completed in September 2022. The comprehensive historic resources survey of 380 historic parcels included buildings, structures, sites, and objects constructed before 1982 and were located within the boundaries of the City’s five historic districts. The survey included Benson Street-Forest Avenue Residential Historic District, Franklin Street-College Avenue Residential Historic District, Hartwell Commercial Historic District, the Witham Cotton Mills Village Historic District, in addition to the locally designated historic district. The survey was funded by the National Park Service and the U.S. Department of the Interior through the Historic Preservation Division of the Georgia Department of Natural Resources. The survey identified and evaluated (or reevaluated where applicable) resources within the study area for their eligibility for listing in the NRHP; helped to provide a clear statement and justification of the boundaries of the surveyed area; and included a summary of previous preservation project local designations, HABS/HAER/HALS listings, and other historic preservation planning efforts. All survey data was entered into GNAHRGIS database, recommendations were provided for future preservation activities, and a complete survey report was presented to the City of Hartwell to provide to the Historic Preservation Division of the Georgia Department of Natural Resources. Additionally, Amber presented the formal report and survey findings at the City of Hartwell City Council Meeting on November 7, 2022.					



05/21 – 10/22	Phase I Historic Resource Survey for Dooly County, Byromville, GA: Senior Project Historian. The comprehensive historic resources survey served as mitigation for HP-171113- 001 Lilly Tower. Amber conducted a historic resources survey which included 296 historic parcels of buildings, structures, sites, and objects constructed before 1980. This project was a cellular tower licensed by the Federal Communications Commission which required compliance with Section 106 of the NRHP. The project was determined to have an adverse effect on Resource DO-341, a 19th century “Double Pen” type house, which was eligible for listing in the NRHP, along with the Lilly Historic District (NRIS ID 97001558 Listed: 1998, GNAHRGIS ID 261214). This mitigation was agreed to by all parties. Amber entered all survey data into GNAHRGIS, provided recommendations for future preservation activities, and submitted a survey report in October 2022.
10/22 – 01/25	Historic Resource Survey, Effingham County, GA: Senior Project Historian. The comprehensive historic resources survey served as mitigation for HP-130311-001 Lilly Tower cell phone tower for Verizon Wireless. The comprehensive historic resources survey of 220 historic parcels includes buildings, structures, sites, and objects constructed before 1977 and are all located within Effingham County. This project is a cellular tower licensed by the Federal Communications Commission which requires compliance with Section 106 of the NRHP. The project has been determined to have an adverse effect on Resource 99, a circa 1860 Georgian Cottage with Greek Revival elements and associated outbuildings and fields and is eligible for listing in the NRHP. This mitigation, including the survey boundaries, has been agreed to by all parties. All survey data has been entered into GNAHRGIS, recommendations have been provided for future preservation activities, and a complete survey report was presented to Verizon Wireless and the Historic Preservation Division of the Georgia Department of Natural Resources January 2025.
08/22 – 03/23	White Sulphur Road Realignment, Gainesville, GA: Senior Historian. Amber performed a historic resource survey, in addition to writing a Notification Letter and a Historic Resource Survey Report (HRSR) for the client. The purpose of this project involves the construction of a new two-lane road (New White Sulphur Road) realigning the road to eliminate trucks from having to cross the Norfolk Southern tracks twice.
Certifications & Training	Secretary of the Interior Qualified Architectural Historian GDOT Section 4(f) Training GDOT Ranch House Training Advisory Council on Historic Preservation Introduction to Section 106 Section 106 Essentials and Section 106 Practitioner’s Workshop
Career History	Amber Ray joined Neel-Schaffer in 2026 and serves as a Historian, providing history research, survey and documentation to facilitate compliance with Section 106 of the NHPA for projects across the company. She will also support NEPA compliance activities. Amber has extensive experience in historic preservation and environmental compliance, encompassing cultural resource survey, resource identification, evaluation, historic research, analysis, and documentation at the federal, state, and local levels. She has served as an Environmental Protection Specialist/Historic Preservation Specialist. Through February 2026, she has conducted 43 cultural resource surveys in Georgia, Ohio, and Minnesota for a variety of projects, including individual residences, historic districts, courthouses, public libraries, covered bridges, stone walls, WPA pipes and culverts, historic state and local parks and structures within, campgrounds, cemeteries, municipal buildings, individual residences for acquisition and demolition, and project consultations. The surveys have included evaluating historic resources, assessing eligibility for listing in the National Register of Historic Places (NRHP), mitigating adverse effects from project impacts to historic properties, and consulting with State Historic Preservation Offices. In addition to performing cultural resource surveys, she is well-versed in evaluating and documenting historic properties. Amber is also experienced in preparing NEPA (National Environmental Policy Act) documentation for transportation projects.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Shannon Wooten-Cole			Years of relevant experience with this employer	2
	Title	Environmental Scientist			Years of relevant experience with other employer(s)	2
	Degree(s) / Years / Specialization		BA / 2017 / Anthropology; MA / Anthropology / 2021			
	Active registration number / state / expiration date		N/A			
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities		Cultural Resources			
Experience dates (mm/yy-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 — 10/25	Phase I Cultural Resources Survey for Proposed Mitigation Areas for the North Rail Connector Project, Jackson County: Environmental scientist on excavation and author of report, providing an archaeological survey and report. No significant cultural findings were recovered and much of the area is classified as wetlands.					
04/24 — 05/24	Phase I Cultural Resources Survey for Proposed Road Expansion of U.S. Highway 51, Desoto County: Environmental scientist on excavation and author of report, providing an archaeological survey and report for the road expansion project of U.S. Highway 51 between Southaven and Hernando. No significant cultural findings were recovered.					
05/24 — 01/25	Phase I Cultural Resources Survey for Proposed Expansion of Edwards Street Corridor, Forrest County: Lead environmental scientist on excavation and author of report, providing an archaeological survey and report for the road expansion and improvement project of the Edwards Street Corridor in Hattiesburg. No significant cultural findings were recovered.					
05/24—06/25	Phase I Cultural Resources Survey for the Proposed Burns Bottom Redevelopment Project, Lowndes County: Author of report, providing an archaeological survey and report for the Proposed Burns Bottom Redevelopment Project in Columbus. No significant cultural findings were recovered.					
05/24 — 02/26	Phase I Cultural Resources Survey for the Proposed Improvement Along 16th Street, Harrison County: Lead environmental scientist and author of report, providing an archaeological survey and report for the Proposed expansion and improvement of 16th Street in the Gulfport Sportsplex neighborhood in Gulfport. No significant cultural findings were recorded and much of the area is classified as wetlands.					
06/24— 08/24	Phase I Cultural Resources Survey for the Proposed Water Quality and Flood Mitigation Improvements Within the Hopson Bayou-Big Sunflower River Watershed, Coahoma County: Environmental scientist and author of report, providing an archaeological survey and report for the proposed improvement project within the Hopson Bayou-Big Sunflower River Watershed in Clarksdale. One positive shovel test was excavated during the fieldwork.					
04/24 — 06/24	Phase I Cultural Resources Survey for the Proposed 8th Street Corridor Improvement Project, Lauderdale County: Author of report, providing an archaeological survey and report for the proposed 8th Street corridor road improvement project in Meridian. No significant cultural findings were recovered.					
03/25 — 03/25	Phase I Cultural Resources Survey for the Proposed Laurel Road Improvement Project, Jones County: Author of report, providing an archaeological survey and report for the proposed Laurel Road Improvement Project in Laurel. No significant cultural findings were recovered.					
06/24— 04/26	Phase III Cultural Resources Survey for 22Hr1160 Site: Environmental scientist of Phase III archaeological survey of 22Hr1160 in Biloxi. Significant cultural resources were recovered from the excavation.					
Career History	Ms. Wooten joined Neel-Schaffer in 2024 and serves as an Environmental Scientist. She has more than 10 years of experience as an accomplished anthropologist and archaeologist providing services for federal, state, municipal, industry and private clients. Ms. Wooten has a demonstrated ability to complete complex environmental projects by leading the collaborative efforts of environmental scientists, wetland scientists, and cultural resources staff to deliver quality environmental services. She also has experience in museum management. She is adept in Trimble equipment for field data collection. Ms. Wooten has also led cultural resource surveys in both Mississippi and Georgia. During her time at Neel Schaffer, Ms. Wooten has completed six cultural resources survey reports and participated in six archaeological excavations, including Phase I and Phase III cultural resource surveys.					



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Lee Day, PG		Years of relevant experience with this employer	2
	Title	Geologist		Years of relevant experience with other employer(s)	37
	Degree(s) / Years / Specialization		BS / 1983 / Geology; MS / 1987 / Geology		
	Active registration number / state / expiration date		Professional Geologist/Geoscientist: LA 357, MS 0134, AR 1996, TX 6485		
	Year registered	N/A	Discipline	N/A	
	Contract role(s) / brief description of responsibilities		Environmental (Phase I ESA MPR 7		
Experience dates (mm/yy-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).				
12/22 – 12/23	Marco of Iota Site, Work Orders 2.0-2.1: Project Manager responsible for implementation of Interim Corrective Action (ICA) Work Plan. Site activities consisted of a site-wide geophysical survey (GPR/EM) to locate any buried metallic debris (drums/piping). Once completed, an ICA Work Plan was prepared and implemented to remove buried materials and any associated impacted soil/debris. As a result of this ICA, approximately 1,246 tons of impacted soil and metallic debris were excavated and transported to a permitted non-hazardous solid waste facility. Total project costs were approximately \$721,000.				
7/22 – 3/24	Stevens Site, Work Orders 3.0-3.1: Project Manager responsible for completion of remaining ICA Work Plan (Phase II) for removal of additional anomalies identified during the previous GPR/EM Survey. Once completed, an ICA Work Plan was prepared and implemented to remove buried materials and any associated impacted soil/debris. As a result of this ICA, approximately 375 tons of impacted soil and metallic debris were excavated and transported to a permitted non-hazardous solid waste facility. Total project costs were approximately \$264,000.				
01/23 – 10/23	Imperial Dry Cleaners Site, Work Orders 4.0-4.2: Project Manager responsible for completion of ICA Work Plan, which consisted of installation of a vapor barrier fabric to impede organic vapors, and excavation and disposal of impacted soils. Historical site activities for a former dry cleaners site led to excessive soil and groundwater impacts from chlorinated solvents, both beneath the building and offsite to the neighboring properties. The closest property to the former dry cleaners building was experiencing the presence of low level organic vapors that were potentially impacting site workers. To minimize these vapors, a vapor barrier fabric within the vadose zone (ground surface to 8 feet in depth) and was installed in the alley between the two structures.				
10/22 – 03/23	Prudhomme Trucking, Work Orders 5.0-5.2: Project Manager responsible for completion of ICA Work Plan, which consisted of removal and disposal of impacted soils (barium and 1,2-dichloropropane) above RECAP Limiting Remedial Standards (LRS). Approximately 124 tons of impacted soils were excavated and transported to a non-hazardous waste facility. Excavations were backfilled and compacted to grade.				
10/22 – 09/23	Former International Petroleum Corporation, Work Orders 6.0-6.2: Project Manager responsible for completion of ICA Work Plan. Site tasks included an asbestos-containing material (ACM) sampling and survey of the former office building, demolition/removal of the former office building and small storage building, hazardous/non-hazardous materials characterization/removal/disposal, and removal of the former above-ground storage tank ring foundations.				
10/22 – 03/24	Rogers Enterprises, Work Orders 7.0-7.3: Project Manager responsible for completion of ICA Work Plan. Interim corrective action consisted of completing a ground-penetrating radar (GPR) and electromagnetic (EM) survey to locate any potential buried materials. Historical analytical data re-reported concentrations of lead, PCBs, 1,1-dichloroethane, trichloroethene, 1,1,2,2-tetrachloroethane, and pentachlorophenol in soils and/or groundwater. A series of injection wells (IW) and recovery wells (RW) were completed at the site from 2021 to 2023. These injection/recovery wells served as the location for the introduction of Ivey Sol into the subsurface to reduce concentrations of these constituents. Post-injection groundwater sampling reported a substantial reduction (to below remedial standards) for groundwater constituents.				



12/22 – 05/24	Ceramic Tank Farm, Work Orders 8.0-8.1: Project Manager responsible for completion of ICA Work Plan. Site activities consisted of completing a ground-penetrating radar (GPR) and electromagnetic (EM) survey to locate any potential buried materials, excavation of buried metallic debris and impacted soils, in-situ treatment for the deeper soils greater than 10 feet, and natural attenuation monitoring and evaluation.
03/23 – 09/24	Ida Gasoline Petroleum Site, Work Orders 9.0-9.1: Project Manager responsible for completion of ICA Work Plan. . Recommended soil washing to remove petroleum hydrocarbons from the subsurface. Prepared an Interim Corrective Action Plan to introduce Ivey Sol product into the uppermost aquifer and remove via vacuum, with disposal of recovered fluids. Project is ongoing.
11/23 – 02/25	LA Metals Site, Work Orders 12.0-12.1: Project Manager responsible for site visit and review of historical documents. Prepared an Interim Corrective Action Plan to remove hazardous materials on site and excavate COC-impacted soils. Project ongoing.
11/23 – 0/24	US Rig & Equipment Site, Work Orders 13.0-13.1: Project Manager responsible for site visit and review of historical documents. Prepared an Interim Corrective Action Plan to remove impacted surface soils from the center of the site. Project Ivey Sol product into the uppermost aquifer and remove via vacuum, with disposal of recovered fluids.
Career History	Lee has over thirty-nine years of professional geological, hydrogeological, and environmental consulting and project management experience. He has managed over 200 Site Assessment, Interim Corrective Actions and Remediation projects over the course of 35+ years. Of these site assessment projects, approximately 80% were risk-based or RECAP-driven, either being below the RECAP screening standards, or achieving the site- specific remedial standard (RS). Sites that did not meet the RS were subject to soil and/or groundwater remediation or corrective action. He has been a hydrogeologist for soil/groundwater assessments at various industrial facilities in Louisiana, Texas, and Mississippi, participated in design and implementation of remedial programs for industry, coordination of quarterly/semiannual groundwater sampling events, regulatory groundwater reporting for several industrial facilities, and regulatory liaison. Responsibilities include various aspects of project management, client relations, coordination of field activities, preparation of proposals and final reports.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Stefanie Castracane, EI			Years of relevant experience with this employer	1
	Title	Environmental Professional			Years of relevant experience with other employer(s)	13
	Degree(s) / Years / Specialization		MS / Biological and Agricultural Engineering / 2013; BS / 2011 / Biological Engineering			
	Active registration number / state / expiration date		Engineer Intern 30464 / LA / 09-30-2027			
	Year registered	2011	Discipline	Civil		
	Contract role(s) / brief description of responsibilities		Environmental (Phase I ESA) MPR 7			
Experience dates (mm/yy-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 - 11/25	Phase I Environmental Site Assessment/Due Diligence for Multiple Clients in Texas, Michigan, Indiana, and Illinois: Conducted Phase I Environmental Site Assessments (ESA) for commercial properties. Prepared reports detailing findings, conclusions, and recommendations.					
10/25 - 11/25	Phase II Environmental Site Assessment for I-10 Calcasieu River Bridge Project: Currently performing numerous Phase II ESAs for multiple preconstruction properties. The investigations are driven by findings reported in Phase I ESAs conducted to determine environmental risk associated with the various property parcels. Final reports will be prepared comparing analytical results to appropriate state screening standards.					
10/25 - 11/25	Lead-Based Paint Screening for I-10 Calcasieu River Bridge Project: Currently performing lead-based paint screening on the currently bridge structure. Final reports will be prepared comparing analytical results to appropriate state screening standards.					
01/21 - 05/25	Groundwater Recovery System at a Former UST Site in Northern Louisiana: Site Manager and Project Manager. Oversaw project planning and operation and maintenance of a groundwater recovery system to address benzene, toluene, ethylbenzene and xylenes (BTEX) constituents in groundwater.					
01/21 - 05/25	Former UST Site in Northern Louisiana: Site Manager and Project Manager: Managed the coordination and implementation of a Corrective Action Plan targeting BTEX constituents stemming from previous Underground Storage Tank (UST) operations. Led field investigations, including quarterly groundwater sampling and soil assessments. Oversaw multiple In-Situ Chemical Oxidation (ISCO) injection treatments to remediate the affected area. Facilitated the decommissioning of a groundwater recovery system upon successful completion of remediation efforts.					
01/21 - 05/25	Multiple Former UST Sites in Southwestern Louisiana: Site Manager and Project Manager: Managed the coordination and implementation of multiple Corrective Action Plans to address BTEX constituents from former UST operations. Led field investigations, including quarterly groundwater sampling and soil assessments. Oversaw multiple In-Situ Chemical Oxidation (ISCO) injection treatments to remediate the affected area. Facilitated the decommissioning of a groundwater recovery system upon successful completion of remediation efforts.					
05/14 - 05/25	Soil and Groundwater Investigations at Various Facilities in Louisiana: Conducted site-wide characterization of soil and groundwater impacts from industrial operations. Managed and prepared field investigations, developed health and safety plans, and prepared reports for governing agencies.					
05/14 -05/25	Quarterly and Semi-Annual Groundwater Monitoring at Various Facilities in Louisiana*: Coordinated and conducted groundwater monitoring sampling events at active and former impacted sites. Developed health and safety plans and prepared reports for governing agencies.					
01/21 - 05/25	Phase I Environmental Site Assessment/Due Diligence for Multiple Clients in Louisiana, Mississippi, Texas, Arkansas, and Tennessee: Conducted Phase I Environmental Site Assessments (ESA) for commercial, industrial, and residential properties. Prepared reports detailing findings, conclusions, and recommendations.					



01/21 - 05/25	Phase II Environmental Site Assessment for Multiple Clients in Louisiana and Mississippi: Performed numerous Phase II ESAs for multiple commercial, industrial, residential and preconstruction retail properties. The soil and groundwater investigations were driven by findings reported in Phase I ESAs conducted to determine environmental risk associated with the purchase of the property. Final reports were prepared comparing analytical results to appropriate state screening standards.
01/21 - 12/22	LDEQ Contract No. 2000430545, Marco of Iota Site: Coordinated implementation of Interim Corrective Action Plan and Removal Action Plan. Site activities consisted of asbestos-containing material (ACM) sampling and abatement, hazardous/non-hazardous materials characterization/removal/disposal, soil sampling, and ground-penetrating radar (GPR) / electromagnetic (EM) surveys.
01/21 - 12/22	LDEQ Contract No. 2000430545, Stevens Site: Coordinated implementation of GPR / EM surveys. The results of the geo-physical survey identified subsurface anomalies that required excavation/removal/disposal actions. Prepared an Interim Corrective Action Plan, to provide details regarding the excavation/removal/disposal of these anomalies.
01/21 - 05/21	LDEQ Contract No. 4400017274, Louisiana Pine Production Site: Implemented the Removal Action Plan (RAP). Site activities consisted of ACM sampling and abatement, hazardous/non-hazardous materials characterization / removal / disposal, and soil sampling.
01/21 - 12/22	LDEQ Contract No. 4400017274, Rogers Enterprises Site: Prepared and implemented the Interim Corrective Action Plan. Site activities consisted of installation of injection/recovery wells, and injection of Ivey-Sol for removal of petroleum constituents from soil and groundwater. Additional site activities consisted of quarterly sampling and several soil and groundwater assessments for off-site impacts.
Career History	Stefanie has over 13 years of engineering, technical fieldwork, and project management experience in the investigation, evaluation, and remediation of impaired sites located throughout the United States. She has been the lead project manager on several long-term, large-scale investigation and re-mediation projects under the jurisdiction of CERCLA, RCRA, and state-led programs. She has been a field engineer for environmental investigations and remediation and regulatory compliance for environmental projects and industrial facilities in Louisiana, Mississippi, Arkansas, Texas, Oklahoma, and New Mexico, primarily in the oil and gas and chemical manufacturing industry.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Maggie Waldron		Years of relevant experience with this employer	2
	Title	Environmental Scientist		Years of relevant experience with other employer(s)	5
	Degree(s) / Years / Specialization		BA / 2013 / Economics, Classical Studies; MS / 2019 / Geography; PhD, in progress, Coastal Science		
	Active registration number / state / expiration date		N/A		
	Year registered	N/A	Discipline	N/A	
	Contract role(s) / brief description of responsibilities		Public Involvement & Outreach / GIS Mapping & Exhibits		
Experience dates (mm/yy-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).				
05/24 – Ongoing	Government Ditch Watershed Plan and Restoration, Coahoma County, MS. MS Soil & Water Conservation Commission. Environmental Scientist. Contributing environmental and spatial analysis and writing for an Environmental Assessment, including wetland and other waters delineation and habitat studies, for a project that aims to restore and stabilize a failing storm-water channel. The goal of the project is to reduce sediment transport and improve water quality in the Sunflower River and to decrease flooding within the HUC12 watershed.				
10/20 – 04/24	Field Implementation of Belowground Biomass for Increased Dune Stability and Resiliency, Pass Christian, MS. USACE Engineer Research & Development Center. Principal Investigator. Project collected and analyzed quarterly terrestrial LIDAR surveys, ground-based RTK surveys and vegetation information, and UAS imagery at an experimental dune site in Pass Christian. Led field survey planning, data collection, and analysis and contributed to writing of peer-reviewed publication. The goal of the project was to investigate the impacts of organic wrack placement on beach dune stability, accretion, and volume as well as vegetation changes through time.				
10/22 – 12/22	Invasive Species Mapping and Forecasting at Deer Island, MS. Mississippi Department of Marine Resources. Environmental Scientist. Created maps and areal estimates of Phragmites australis coverage at Deer Island, MS using remotely sensed image classification and spatial/GIS analysis to assist MDMR Invasive Species and Coastal Preserves Coordinators with species management decisions.				
05/24 – 08/24	Gulfport Commerce Corridor, Gulfport, MS. City of Gulfport. Lead GIS Scientist. Scientist for a 23-acre road corridor project. Deliverables included a wetland and other waters delineation, threatened and endangered species survey and agency co-ordination, environmental and spatial analysis, GIS habitat mapping, and report writing..				
08/24 – Ongoing	Jackson County County-Wide Resiliency Plan, Jackson County, MS. Jackson County Board of Supervisors. Deputy Project Manager. Leading Data Collection, GIS, and Community Engagement Tasks in support of the creation of a county-wide plan to increase the resiliency of the county's economy, natural environment, and communities to coastal hazards, including storm surge, riverine, precipitation-induced flooding. This work includes conducting spatial analysis using FEMA Special Flood Hazard information along with other data pertaining to the natural and built environment to assess, quantify, and visualize flood vulnerabilities for assisting planning and decision-making. Project activities also include facilitating communication with a broad group of stakeholders about flood risk and vulnerability across the county, as well as preparing written documentation, maps, and other visual data products to contribute to the final Resiliency Plan.				
01/17 – 01/20	Historic Estuarine Land Cover Change Assessment for the Pascagoula River Estuary, Jackson County, MS. University of Southern Mississippi. Researcher/Analyst. Created historical image mosaics and mapped historical and present-day estuarine habitats using textural and spectral image analysis to analyze spatial change for National Academy of Sciences Gulf Research Program-funded Data Synthesis project, “Understanding the Trajectory of Coastal Salt Marsh Structure, Function, and Processes in the Face of Sea Level Rise: A Synthesis from Historical Imagery, Biophysical Processes, and Hierarchical Modeling.” Produced data products available at https://aquila.usm.edu/saltmarsh/ and a led writing and submission of a peer-reviewed publication in the Journal of Coastal Research.				



04/24 – Ongoing	Shelbyville Overlook, Bedford County, TN. City of Shelbyville. Environmental Lead. Completing the NEPA review as a Categorical Exclusion (CE) for a Transportation Alternatives Program (TAP) funded project. The NEPA review included an Initial NEPA Study, Section 106 assessment, and the CE document. The project aims to provide green space and tourist attractions as well as enhancing connectivity in the downtown Shelbyville area through the rehabilitation of a multi-use path and construction of an overlook along the Duck River.
09/24 – Ongoing	Tyne Boulevard Bikeway, Davidson County TN. City of Forest Hills. Environmental Lead. Completing the NEPA review as a Categorical Exclusion (CE) for a Transportation Alternatives Program (TAP) funded project. The NEPA review includes an Initial NEPA Study, Section 106 assessment, and the CE document. The purpose of the project is to provide a bikeway connection between bike lanes located along scenic Hillsboro Pike to a widely used existing pathway system on Otter Creek Road, improving bicycle and pedestrian connectivity between the neighborhoods within Forest Hills as well as between the City and its neighbors.
Career History	Maggie serves as an Environmental Scientist conducting environmental and geospatial analysis and documentation for a wide range of clients, providing technical expertise in coastal environments and systems, remote sensing, and Geographic Information Systems (GIS). Her responsibilities include developing, producing, or advising on technical solutions related to environmental concerns consistent with client goals, conducting and participating in environmental studies, and consulting on environmental concerns and procedures. Maggie also has seven years of experience in environmental, geospatial, and research science with the University of Southern Mississippi (USM), where she developed, planned, managed and conducted research projects addressing coastal change, coastal biogeography and geodesy, remote sensing in coastal environments, Real Time Kinematic GNSS and other geospatial methods and applications, including research related to the Mississippi Real Time Network of Continuously Operating Reference Stations (MS CORS RTN), in coordination with University and external collaborators and stakeholders including federal and state agency and university partners. Through her role at USM as a Data Scientist at USM's Gulf Coast Geospatial Center (GCGC), she has experience collecting, managing, analyzing and interpreting data from ecological, biophysical, GNSS, and remotely sensed datasets, and with the preparation of technical reports, manuscripts, and presentations to disseminate research findings.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Mai Nguyen, PE			Years of relevant experience with this employer	9
	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		
	Contract role(s) / brief description of responsibilities			Line and Grade		
Experience dates (mm/yy–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 – Ongoing	H.010616 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.					
06/23 – Ongoing	H.015226 US 90: Roundabout at LA 101: Roundabout intersection preliminary and final plans, drainage, sequence of construction and TMP.					
9/22 – Ongoing	E. Milton Ave Improvements, Lafayette Parish, LA: This project will widen an existing Roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. 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. Project includes preliminary and finals plans.					
02/22 – Ongoing	H.011663 W. Broussard Roundabout at Duhon Rd. (LA 724): This project will construct a roundabout and required drainage improvements. Review of design, assist with plan production. Preliminary plans completed. Final design ongoing.					
12/22 – Ongoing	H.016215 LA 89 at Guillot Rd Improvements: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts.					
08/22 – Ongoing	H.012867.6 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. Project includes preliminary and final plans.					
01/11 – 01/14	H.005158.2 LA 447 Corridor Study, Walker, LA (LA 16 to US 190): Corridor study to evaluate corridor improvements along LA 447 between LA 16 and burgess Ave. Project included the interchange at I-12. Includes multilane roundabouts					
09/14 – 08/15	H.010124 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 sequence of construction, and perform hydraulic analysis.					
04/18 – Ongoing	H.011235 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 College Rd. 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					
11/15 – 07/20	H. 011358 Southcity Parkway Extension, Lafayette, LA: This project will construct a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and 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.					



02/16 - 04/18	H.011618.1 LA 22 (Rou Mar Nei to 1st) Corridor Study: Corridor Study Included analysis of proposed roundabout interchange (6 roundabouts) geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
07/15 – 08/21	H.000284 & H.000286 US 90 Pearl River Bridges Environmental Assessment, St. Tammany Parish, LA and Hancock County, MS: Project includes the replacement of five bridges. This project also includes roundabout intersections. Project Engineer for over 75 line and grade alternatives. Developed horizontal and vertical alignments, considering required drainage and ROW requirements were developed and analyzed for potential environmental impacts and costs. Includes a roundabout intersection
05/12 – 10/14	H.009033 LA 44 Intersection Improvement at LA 934, Ascension, LA: Responsible for developing roadway plans in accordance with LaDOTD design guidelines, performing sub-surface drainage calculations, creating horizontal and vertical alignment layouts, modeling roadway to determined required right-of-way limits, and calculating quantities and cost estimates for bidding.
08/17 – 07/18	I-10 New Orleans Master Plan: Provided engineering support in development of horizontal and vertical alignments of roadways, and geometric layouts of traditional interchanges, with multiple bridges, alternative intersections, ramps, roundabouts, and HOV lanes to provide access to the Port of New Orleans.
09/15 – 10/17	H.011454.1 LA 22 (Dalwill to Rodger Storm) Corridor Study: Includes analysis of six roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
06/13 – Ongoing	H.04490 Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA: Road alignment, roundabout layout, and design, preparing cost estimates. 23 separate roundabout projects
02/15 – 12/16	H.011401.1 US 51 Business Corridor Study (I-12 to Coleman): Includes analysis of three roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
02/15 – 10/16	H.011401.1 US 51 Corridor Study (W University to I-55): Includes analysis of eight roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
09/14 – 08/15	LA 27 turn lane improvements, Cameron and Calcasieu, LA: Responsible for developing roadway plans following LADOTD design guidelines at three turn lanes along LA 27 at LGN plant entrances. Served as utility coordinator, and provided engineering support during construction. Also, responsible for developing utility agreement packages as part of utility coordination phase. The tasks included communication, site visitation and coordination with countless utility companies, LNG facility personnel and LADOTD to seamlessly reduce and address utility conflicts. Also, assisted the Contractor with design associated with concrete barrier, provided working drawings to assist with construction activities, and provided commercial driveway detail drawings and design at locations with large grade changes.
Career History	Mai has over 15 years of experience as a Roadway Design Engineer, including over six years working for LADOTD roadway design. She is proficient with 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 also has 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 study, 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.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Scott Andrepont, PE		Years of relevant experience with this employer	16
	Title		Project Engineer		Years of relevant experience with other employer(s)	4
	Degree(s) / Years / Specialization			BS / 2005 / Civil Engineering; MS / 2007 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 37107 / LA / 09-30-2026		
	Year registered	2012	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Line and Grade		
Experience dates (mm/yy-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 – Ongoing	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, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226); Plan Production 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 @ LA 73 (Ascension) (SPN. H.014366); Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to 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, Transportation Management Plan, 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; Plan Production and Design Services. 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.					
12/22 – Ongoing	H.016215 LA 89 @ Guillot Rd Improvements: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.					
02/15 - 06/19	LA 182 (N University Ave) @ Stone Ave: Design roadway widening and drainage. The roadway design included a new right turn lane at the intersection of N. University Ave and Stone Ave. The project was constructed to improve traffic flow by accommodating traffic to Lafayette Christian Academy and to remove queuing traffic congestion along N. University Ave. The scope of work included roadway and drainage design, utility coordination and construction administration, and inspection services. Mr. Andrepont provided consultant project engineering and daily work reporting. He also oversaw daily contractor operations and materials testing.					
03/19 – 04/20	H.013023 LA 328 (Reese Street) Stage 0: Mr. Andrepont created the geometry for this project which would improve LA 328 from Latiolais Drive to E. Bridge St. Signalized and roundabout intersections were considered. Mr. Andrepont completed the design criteria, typical sections, and geometry in accordance with the requirements of DOTD. He also assisted with public outreach activities. Includes 3 roundabouts.					
08/17 – 03/20	LA 73 Turn Lanes: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines					
09/22 – Ongoing	E. Milton Ave Improvements, Lafayette Parish, LA: This project will widen an existing Roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. This project includes curb and gutter with side-walks, as well as preliminary and finals plans.					



09/14 – 08/15	LA 27 Turn Lane Improvements, Cameron and Calcasieu, LA: Responsible for developing roadway plans following LADOTD design guidelines at three turn lanes along LA 27 at LGN plant entrances. Served as utility coordinator, and provided engineering support during construction. Also, responsible for developing utility agreement packages as part of utility coordination phase. The tasks included communication, site visitation and coordination with countless utility companies, LNG facility personnel and LADOTD to seamlessly reduce and address utility conflicts. Also, assisted the Contractor with design associated with concrete barrier, provided working drawings to assist with construction activities, and provided commercial driveway detail drawings and design at locations with large grade changes.
08/22 – Ongoing	H.012867.6 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. Project includes preliminary and finals plans.
01/11 – 01/14	H.005158.2 LA 447 Corridor Study, Walker, LA (LA 16 to US 190): A corridor study to evaluate corridor improvements along LA 447 between LA 16 and burgess Ave. Project included the interchange at I-12. Includes multilane roundabouts
11/19 – Ongoing	SPN 4400031039 IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62): This project will provide safety improvements for four parishes with in three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design and construction related engineering. Mr. Andrepont is assisting with the roadway and drainage plan production and design.
11/15 – 07/20	H. 011358 Southcity Parkway Extension, Lafayette, LA: This project will construct a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and new bridge design. The roadway and drainage design are being completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design and traffic services.
01/20 – Ongoing	H.010616 I-20: LA 544 Overpass Replacement, Lincoln Parish, LA: NSI 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.
04/18 – Ongoing	H.011235 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 College Rd. 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 roundabouts.
08/12 – 03/19	H.004634 Juban Road Widening: NSI managed the completion of the roadway and drainage design services for this project, which will widen LA 1026 (Juban Rd.), construct three roundabouts and two new frontage access roadways, with storm drainage sewer systems.
06/13 – Ongoing	H.012502 Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA: Road alignment, roundabout layout, and design, preparing cost estimates. Project Engineer. Includes 23 roundabouts.
03/15 – Ongoing	Mandeville Bypass, St. Tammany Parish LA: Assisted in geometric layout of roadway and development of alternatives. Includes roundabout geometry intersections with LA 1088 and US 190. Road Design Assistance. Includes 4 roundabouts.
03/19 – 04/20	H.013023 LA 328 (Reese Street) Stage 0: Created the geometry for this project which would improve LA 328 from Latiolais Drive to E. Bridge St. Signalized and roundabout intersections were considered. Scott completed the design criteria, typical sections, and geometry in accordance with the requirements of DOTD. He also assisted with public outreach activities. Includes 3 roundabouts.
04/20 – Ongoing	US 90 and FM 481 Improvement, Kinney County, TX: QA/QC of Striping, Signing, and High Friction Surface course plans.
09/09 – 08/12	N. University Ave. Widening, Lafayette, LA: Road alignment, preparing scope for utility and topographic survey, roundabout layout and design, and plan preparation. Project Engineer
Career History	Mr. Andrepont is a design engineer and has been assigned to a variety of projects which include safety projects, roadway design, drainage design, foundation design and other civil engineering projects. His duties include design and analysis, preparation of construction plans, and specifications. He also has experience providing engineering design support during construction. He is also an ATSSA – Work Zone TCS/TCT/Flagger.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Chance Shuckrow, PE			Years of relevant experience with this employer	12
	Title	Project Engineer			Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering			
	Active registration number / state / expiration date		PE No. 0042746 / LA / 03-31-2027			
	Year registered	2018	Discipline	Civil		
	Contract role(s) / brief description of responsibilities		Line and Grade			
Experience dates (mm/yy-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).					
11/19 – Ongoing	IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62): This project will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Mr. Shuckrow is providing engineering design support. He has completed the drainage design for these projects and assisted with the review process. The task orders under this project are as follows: Local Road Signing (Vermilion) (SPN. H.013014); The project includes ball-bank study, striping and signing to improve the safety along roadway segments and curves. Independence SRTS – Phase II (SPN. H.010108.1); The project includes approximately 4,100 feet of sidewalks, storm sewer drainage system, handicap curb ramps, and signage along LA 40, N. Oak St. and Pine St. LRSP (Iberia Parish and City of N.I.) (SPN. H.013770); Project includes signage and striping for safety improvements along 30 Miles of roadway. LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1); This project will provide safety improvements which include a road diet, new crosswalks, sidewalks, signage, and new pavement markings. The project limits are along Avenue B (LA 60), Plaza Street and Red Cross Plaza. W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621); This project will provide safety improvements which include 2,000 feet of sidewalks, pavement markings, signage, and storm sewer drainage along W. 11th Avenue between S. Tyler (LA 21) to S. Jefferson Avenue. LRSP Signs, Striping and X-Overs (Gonzales) (SPN. H.013621.1); This project will provide safety improvements (median modifications, pavement markings, signage) along S. Irma Boulevard and S. Purpera Avenue. Downtown Greenway LA Connector (BR) (SPN. H.013751); The project will provide sidewalks and shared lanes on Louisiana Ave. and Eddie Robinson Sr. Dr. The project scope includes adding sidewalks, replacing driveway pavement, installing plastic pavement striping, and ADA-compliant curb ramps. LSU Laboratory School SRTS Project (SPR. H.009290); This project includes shared use paths along Dalrymple Dr., sidewalks along Fraternity Dr., curb extensions, signage, striping and ADA-compliant handicapped ramps. Local Road Signing (Ascension) (SPN. H.015011); Project includes raised median installation, signage, and striping for safety improvements along 32 parish and local roadways in Ascension Parish.					
03/23 – Ongoing	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, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226); Plan Production 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 @ LA 73 (Ascension) (SPN. H.014366); Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to 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, Transportation Management Plan, 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; Plan Production and Design Services. 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; Design Services. This project includes pavement rehabilitation along LA 182 from 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.					



04/23 – Ongoing	Jimmie Davis Design Build: This 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 the roadway drainage design, and managed the scour analysis, attends 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 the technical writing for the proposal.
09/20 – Ongoing	H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA: This project considers multiple alternatives along a 5.5 mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more. Mr. Shuckrow will provide roadway support and help with the cost estimate.
08/22 – Ongoing	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. Project includes preliminary and finals plans.
02/22 – Ongoing	W. Broussard Roundabout at Duhon Rd. (LA 724): This project will construct a roundabout and required drainage improvements. Includes roundabout. Design services. Preliminary plans completed. Final design ongoing.
08/20 – Ongoing	I-10 & I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA: This project includes an Interchange Modification Report, TMP, and ITR of MOT Plans for the proposed College Drive Ramp improvements. Provided road design and drainage Independent Technical Review.
04/18 – 04/20	S.P. No. H.013023: Rees St. (LA 328) Stage 0 Corridor Study (Design Study), St. Martin Parish, LA – This project focuses on the overall improvement of safety along the corridor. He reviewed the proposed road alignment, several roundabout intersection, roadway widening with sidewalks and bike path and cost estimates the corridor in Breaux Bridge, LA.
11/15 – Ongoing	Southcity Parkway Extension, Phase 1, Robley Drive to Kaliste Saloom Road, Lafayette Parish, Lafayette Consolidated Government (LCG). EA and Final Design. Final Design of 2-mile four lane median divided roadway with 3 multilane roundabout intersections and a major bridge crossing the Vermilion River. Completed the vertical and horizontal alignments, modeled the project with Bentley software and completed the drainage design. Mr. Shuckrow serves as the engineer of record for this project assisting with the roadway design, stage 0 feasibility study and EA. This project includes bike lanes and sidewalks/paths.
06/13 – 09/20	Stage 0 Feasibility Studies, Modern Roundabouts, SPN: H04490, Lafayette Metropolitan Area (Retainer) Engineering in support of Stage 0 Scope and Budget Checklist for 24 separate roundabouts. This project focuses on the improvement of traffic flow and safety at each intersection & interchange. Mr. Shuckrow assisted with the review of the roadway design and cost estimates.
03/15 – Ongoing	St. Martinville Bypass (LA31) Environmental Assessment and Line and Grade Study in St. Martinville, LA (SPNH.004924.5) Includes five roundabout geometry intersections at connections with state routes. Assisted in geometric design of roadway alternatives and in the development of horizontal and vertical profiles.
06/18 – 03/20	Move Ascension Project No. MA-18-03: LA 73 Turn Lanes at Brown Road/ LA 73 Turn Lanes at Oakland Drive: Served as designer on project, working mainly on drainage design for 2 separate turn lane projects. Work included delineating existing drainage and design of new structures.
09/15 – Ongoing	Ham Reid Road at Lake Street Intersection Improvements, Calcasieu Parish, LA: Project includes the final design of a multilane roundabout. Completed the roundabout design, drainage design, and developed plans.
11/16 – 08/19	LA 385 Stage 0 Feasibility Study: This project focuses on safety improvements along the LA 385 corridor between LA 3186 south of I-10 to Eddy Street north of I-10. Mr. Shuckrow provided engineering design support.
Career History	Mr. Shuckrow joined Neel-Schaffer in 2014 and has 12 years of experience in the design of roadways, freeways, signalized and roundabout geometry intersections. Based in the firm's Baton Rouge (LA) office, Chance has worked in the design of drainage, horizontal and vertical profiles, and corridors. He has also worked in cost estimating of projects and in the preparation of roadway design plans.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Joshua Schexnider, PE		Years of relevant experience with this employer	6.5
	Title		Project Engineer		Years of relevant experience with other employer(s)	14
	Degree(s) / Years / Specialization			BS / 2016 / Civil Engineering; BS / 2000 / General Studies		
	Active registration number / state / expiration date			PE No. 45891 / LA / 03-31-2028		
	Year registered	2021	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Line and Grade		
Experience dates (mm/yy-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).					
10/22 – Ongoing	LA 383 Corridor Stage 0 Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parishes, LA: Plan Production and Design Services.					
06/23 – 04/24	LA 384 Stage 0 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA: Plan Production and Design Services. Responsible for data collection, intersection safety and operations analyses, identifying intersection/corridor improvements to accommodate existing and future planned growth, alternatives analyses and traffic report.					
03/20 – Ongoing	H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA: Plan Production and Design Services. This project when combined with the pro-posed I-69 will provide a connection between Port of Caddo-Bossier and the proposed future I-69. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines.					
02/20 – Ongoing	H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA: Plan Production and Design Services. This project will provide a con-nection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and ex-tending existing roadway.					
09/20 – Ongoing	H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA: Plan Production and Design Services. This project considers multiple alternatives along a 5.5 mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more.					
07/21 – Ongoing	Earhart Expressway Masterplan Stage 0 Feasibility Study: Plan Production and Design Services. Project included traffic and safety analysis studies. Project involves prioritizing several proposed projects along Earhart Expressway in Jefferson and Orleans Parishes.					
03/23 – Ongoing	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, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226); Plan Production 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 @ LA 73 (Ascension) (SPN. H.014366); Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to 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, Transportation Management Plan, 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; Plan Production and Design Services. 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.					



6/22 – Ongoing	Jimmie Davis Bridge (LA 511) (HBI) Design Build: This project will replace the existing five-lane roadway with a four-lane median divided roadway with turn lanes. It will provide a new bridge crossing for LA 511 at the Red River and will also modify the existing bridge crossing for use as a linear park and provide a multiuse path. NSI is providing the traffic analysis, signal design, striping and signing plans, road design support and Bridge H&H and Scour for the river crossing. This preliminary design is being completed in support of the Design Build Proposal document. Design Services.
10/22 – Ongoing	I-20: LA 544 Overpass Replacement, Lincoln Parish, LA: NSI 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.
06/23 – 04/24	E. Milton Ave Improvements, Lafayette Parish, LA: This project will widen an existing Roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. This project includes curb and gutter with sidewalks, as well as preliminary and finals plans.
03/20 – Ongoing	W. Broussard Roundabout at Duhon Rd. (LA 724): This project will construct a roundabout and required drainage improvements. Includes roundabout. Design services. Preliminary plans completed. Final design ongoing.
02/20 – Ongoing	LA 89 @ Guillot Rd Improvements: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.
08/22 – Ongoing	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. Project includes preliminary and finals plans.
12/21 – 01/22	LA 1256 intersection improvements (Calcasieu Parish): project will construct multiple turn lanes along 1256. Drainage improvements are included along with signal design. Road design and drainage design are in conformance with DOTD requirements. Project engineer for roadway and drainage design.
10/19 – Ongoing	East Mandeville Bypass, St. Tammany Parish: This project will construct a new 2-mile four lane median divided roadway with multilane roundabouts intersections at LA 1088 and US 190. Project includes roundabout.
08/16 – Ongoing	Southcity Parkway Extension – Lafayette, LA: Assisted in preparation of plans. Project includes 3 multilane roundabouts.
08/17 – 03/19	Juban Road (LA 1026) Widening, Livingston Parish, LA: Assisted in preparation of plans. This project includes roundabouts.
02/17 – Ongoing	US 90 Bridges Environmental Assessment, St. Tammany Parish, LA: Assisted with preparation of plans. Includes a roundabout.
08/17 – 01/20	Bossier Parish Roadway, Bridge and Culvert Engineering, Damage Assessment and Reconstruction Services: This project included approximately 90 project sites consisting of bridges, roadway reconstruction, patching and overlays, and new drainage structures. Assisted with the design and plan production.
08/17 – 03/20	LA 73 Turn Lanes: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines.
06/16 – 06/16	LA 22 Corridor Study – St. Tammany Parish, LA: Assisted with preparation of plans. Project includes 6 roundabouts.
Career History	Josh is a design engineer and has been assigned to a variety of projects which include safety projects, roadway design, drainage design, and other civil engineering projects. His duties include design and analysis, preparation of construction plans, and specifications. He also has experience providing engineering design support during construction. He is also an ATSSA – Work Zone TCS/TCT/Flagger.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Sarah McEwen, PE, CFM		Years of relevant experience with this employer	4
	Title		Central Region Hydrology & Hydraulics Lead		Years of relevant experience with other employer(s)	11
	Degree(s) / Years / Specialization			BS / 2013 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 42539 / LA / 09-30-2026; CFM No. US-14-07857 / 01-31-2027		
	Year registered	2018	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Hydraulics & Scour Analysis MPRs 22, 23, & 24		
Experience dates (mm/yy–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).				
01/15 – 08/15		Sonny McDonald Industrial Park, Jackson, MS: Served as Project Engineer. This project for the Hinds County Development Authority included using HEC-RAS, ArcGIS, and hydrologic and hydraulic calculations to evaluate the proposed in-line structure risk during a breach. The dam was evaluated for risk and appropriate documentation submitted to MDEQ Dam safety division. The study involved unsteady flow analysis, review of hydrology, and use of ArcGIS to map the breach boundary to evaluate the potential impacts of the breach.				
07/16 – 10/17		Lake Hico Dam Breach Analysis, Jackson, MS: Project Engineer responsible for developing hydrology and hydraulic report for the dam breach project. This included development and analysis of hydraulic model, review of existing FEMA flood hazard model and analysis of impacts of dam breach.				
02/16 – 08/16		Dry Lake Dam Breach Analysis, Jackson, MS: Project Engineer responsible for developing hydrology and hydraulic report for the dam breach project. This included development and analysis of hydraulic model, review and analysis of impacts of dam breach.				
06/16 – 03/17		Dam Breach Analysis, Hazlehurst, MS: Project Engineer responsible for reviewing internal hydrology and hydraulic report for the dam breach project. This included review and analysis of hydraulic model and review and analysis of impacts of dam breach.				
08/24 – Ongoing		Moss Point General Services Contract, Moss Point, MS: In this role she supports the Moss Point City Engineer by facilitating meeting between agency, consulting, and educational stakeholders to support the development of technical guidance, data collection of stormwater systems, and decision support tools.				
05/17 – 06/18		Lakefront Airport 2D Subsurface Modeling, New Orleans, LA: General review and assistance on drainage design for the airport. As the project engineer work included using hydraulic software such as PCSWMM, to create hydraulic analysis of the pre- and post- conditions of site to that would meet or exceed drainage regulations.				
04/19 – 04/23		LA Office of Community Development, Louisiana Watershed Initiative, Statewide, LA: Project & Program Manager. Services included project management, design guidance review, and overall facilitation and quality control of the watershed initiative. Sarah served as the Project Manager for Task 1, which included leading a team to review current guidance/policies, summarize and present current data, develop a technical approach and guidance document for the Pilot Amite River model use and internal staff modifications. In addition, she served as the Project Manager for Task Order 12, which included project management of data and modeling activities. In this role she facilitated meetings between agency, consulting, and university stakeholders to support the development of technical guidance, oversees the 48 HUC 8 regional models, and decision support tools. Her technical background allowed her to advise and assist OCD on program decisions and support moving the multi- year schedule forward. In 2022, she took over as Program Manager, overseeing all Task Orders including Statewide Watershed Plan.				



08/17 – 04/23	CPRA, Mid-Barataria Sediment Diversion, Plaquemines Parish, LA: Project Engineer. In charge of coordination with subconsultants on weekly progress reports for submission to the Louisiana Coastal Protection and Restoration Authority. Tasks include management and processing of data received from subconsultants. Other roles include reviewer of BODR report for technical approach and clarity. In addition, she led the scour evaluation of the bridge at a site with both riverine and coastal design factors evaluated for impact on the proposed structure including complex piers in a cohesive soil environment. Piers were evaluated using both HEC-18 and FLDOT methods due to the complex pier and cohesive soil conditions. A practical application of the scour methodology was used to replicate the most realistic scour conditions anticipated at the site.
10/23 – Ongoing	MS Soil & Water Conservation Commission, Government Ditch Watershed Plan Restoration & Environmental Assessment, Coahoma County, MS: Project Engineer. Engineer for the restoration and stabilization of a watershed in the Mississippi Delta. The goal of the project is to implement permanent stabilization structures to reduce sediment transport and improve water quality in the Sunflower River, which has a TMDL for pathogens, and to decrease flooding within the HUC12 watershed.
01/16 – 04/17	Mississippi Department of Environmental Quality, Delta Levee Protection Study, along Mississippi River from Memphis to Vicksburg: Served as Project Engineer. Includes review and HEC-SSP analysis of hydrologic information from USGS and USACE historical gauge information provided along the reaches of the Mississippi River from Memphis to Vicksburg. Frequency analyses of river gage data was used to estimate the 1-percent-annual chance discharges along the portion of the Mississippi River that is the subject of this project. The U.S. Army Corps of Engineers provided two HEC-RAS geometry files for two reaches of the Mississippi River. The reaches were merged then modified to include appropriate Manning's. Ultimately the cross sections were calibrated, thinned, calibrated and extended into the delta region to provide a flood analysis of without levee conditions. Software used includes HEC-SSP, HEC-RAS, and Arc-GIS.
07/13 – 04/17	Mississippi Department of Environmental Quality, Digital: Flood Insurance Rate Map (DFIRM): Program Project Engineer responsible for updating FEMA floodplain maps for communities throughout Mississippi. Tasks include processing and analysis of digital terrain data in various formats, GIS data processing and analyses, hydrologic and hydraulic modeling and analyses, digital mapping, and extensive database management. Participated in community outreach meetings and educational programs to support the floodplain mapping projects of communities.
Certifications and Training	2014 – US-14-07857 Certified Bridge Inspector 2021 – FHWA-NHI-130056 – Safety Inspection of In-Service Bridges for Professional Engineers 2013 – ASCE One-Dimensional Modeling of River Encroachment with HEC-RAS 2013 – FHWA NHI Course# 135046 Stream Stability and Scour at Highway Bridges 2014 – ASCE Stormwater/Constructed Wetland Design #8095W2014 2014 – National Flood Insurance Program Basic Agent Webinar (FIRA Compliant) 2015 – Aquaveo 2D Hydraulic Flow with SMS and SRH-2D 2016 – FHWA NHI Course #135027 Urban Drainage Design 2019 – FHWA NHI Course #135048 Countermeasure Design for Bridge Scour and Stream Stability 2021 – FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers
Career History	Sarah serves as the Central Region Hydrology and Hydraulics Discipline Lead. In this role, she is responsible for managing all hydrology, hydraulics, and drainage projects in MS, LA, and AR. She has extensive experience managing projects and programs for state agencies, including current work on master services H&H contracts for MDOT and ARDOT, and previously led the program management for the Louisiana Watershed Initiative for the LA Office of Community Development. Sarah has a background in floodplain mapping and is a Certified Floodplain Manager. She has experience in HEC-HMS, HEC-RAS, HEC-SSP, PCSWMM, HY-8, Hydraulic Toolbox, XPSWMM, ESRI ArcGIS, AutoCAD, SMS SRH2D, MicroStation, and GeoPak.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Leah Selcer, PE			Years of relevant experience with this employer	6
	Title	Louisiana Hydraulics & Hydrology Lead			Years of relevant experience with other employer(s)	6
	Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering;			
	Active registration number / state / expiration date		PE No. 43492 / LA / 09-30-2027			
	Year registered	2019	Discipline	Civil Engineer		
	Contract role(s) / brief description of responsibilities		Hydraulics & Scour Analysis MPRs 22 & 23			
Experience dates (mm/yy-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 – Ongoing	US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); H&H Analysis 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.					
06/24 – Ongoing	LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5; H&H Analysis and Design Services: 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 mprove drainage along LA 16 from US 51 to approximately 1000’east of Duncan Avenue.					
04/21 – Ongoing	CPRA, Calcasieu-Sabine Large-Scale Marsh & Hydrologic Restoration, Cameron Parish, LA: Project Manager. Main project tasks consist of a combination of program management, design integration, and project concept design. Design Integration Services include a combination of initial project management activities, initial data gap analysis, preliminary data collection, design integration planning including project E&D work breakdown structure and cost estimates, optimization planning and initial optimization tasks, and other project planning tasks. Hydrologic structure design optimization includes development of hydrologic structure alternatives; analysis and determination of preferred structure type; construction logistics and constructability evaluation; conceptual level estimates of quantities, construction, and operations/maintenance costs; as well as conceptual pump station evaluation.					
04/22 – 03/23	St. Tammany Parish Sustainable Growth Pilot Study, St. Tammany Parish Government: Study to detail the hydrology and hydraulics of three drainage basins to consider future development as related to types, conditions, densities, and regulatory structure. Additionally, the goal is to review regulation of stormwater management within the study area to avoid additional flood risk and or mitigate flooding within the existing drainage basins associated with the study area as related to existing and future developments. Project includes the hydrologic and hydraulic modeling of a regional detention pond.					
06/22 – Ongoing	Jimmie Davis Bridge (LA 511) (HBI) Design Build: Drainage Design. This project will replace the existing 5 lane roadway with a 4 lane median divided roadway with turn lanes. It will provide a new bridge crossing for LA 511 at the Red River and will also modify the existing bridge crossing for use as a linear park and provide a multiuse path. Neel-Schaffer is providing the roadway drainage design, traffic analysis, signal design, striping and signing plans, road design support and Bridge H&H and Scour for the river crossing. This preliminary design is being completed in support of the Design Build Proposal document.					
02/17 – 06/18	Chacahoula-Gibson Drainage Pump Station, Terrebonne Parish, LA: This project consisted of the design 1,000 cfs drainage pump station to reduce flooding due to excessive rainfall. Ms. Selcer performed site design of the pump station and the hydraulic calculations of the conveyance channel. Ms. Selcer prepared preliminary construction plans and estimate of probable cost. In addition, she performed site design of the pump station and the hydrologic and hydraulic calculations of the conveyance channel using HEC RAS.					
05/19 – 12/19	Upper Delta Soil & Water Conservation District, Upper Terrebonne Basin Watershed Plan/EA, Pointe Coupee, LA: Project Engineer. Leah was the project engineer for the hydrologic and hydraulic analysis of the Upper Terrebonne Basin Watershed Plan and EA, using HEC HMS for stormwater runoff calculations and HEC RAS for channel improvements. The flood protection project covers seven HUC 12 watersheds, totaling about 225,072 acres.					



2024 – Ongoing	Port Hudson Pride Road Streambank Stabilization, EBR City-Parish, LA: Leah served as the Project Manager for the H&H study and recommendations for the project that will address streambank erosion northeast of the Port Hudson Pride Road bridge crossing along the east bank of the Comite River as well as an area of west streambank north of the bridge crossing. The roadway and bridge crossing are subject to failure from erosion/undercutting of road bank from high velocities and flooding and displacement/destruction of the road structure and bridge footings from landslides due to heavy rains. The project intent is to repair current erosion and design solutions to reduce future erosion.
2020 – 2022	Safe Haven Blue Green Campus Master Plan, St. Tammany Parish, LA: Performed a drainage analysis to evaluate the effectiveness and size proposed retention ponds. The retention ponds concepts were proposed as a form of blue infrastructure improvement features during the grant application process.
2021 – 2022	Louisiana Watershed Initiative – Slidell Ring Levee Project: East Segments Project: Neel-Schaffer prepared a Louisiana Watershed Initiative Round 1 Application for the project that was successful in receiving \$2.85M in award. Neel-Schaffer provided conceptual engineering and grant preparation services, include FEMA Benefit Cost Analysis, to St. Tammany Parish for the Slidell Ring Levee Project: East Segments Project. The project includes levee segments that provide flood protection and storm surge risk reduction around for the eastern side of the City of Slidell.
05/20 – 11/20	ARDOT 101054: Bridge Replacements Along SR 230, Lawrence and Craighead Counties, AR: Engineer for H&H Design. Neel-Schaffer was selected to develop and provide final roadway plans, final bridge plans, hydraulic analysis and a geotechnical report for this project that includes the replacement of hydraulic structures at 10 sites along SR 230 between Alicia and Bono in Lawrence and Craighead counties. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.
03/21 – 09/21	ARDOT 061614: Bridge Replacements Along SR 86, Prairie County, AR: Engineer for H&H Design. Neel-Schaffer was selected to develop and provide final roadway plans, final bridge plans and a hydraulic analysis for this project that includes the replacement of hydraulic structures at two sites along SR 86 near SR 38 in Prairie County. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.
10/20 – 03/21	ARDOT 040788: Bridge Replacements Along SR 64, Crawford County, AR: Engineer for H&H Design. NSI was selected to develop and provide final roadway plans, final bridge plans and a hydraulic analysis for this project that includes the replacement of hydraulic structures at two sites along SR 64 near Mulberry in Crawford County. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.
12/20 – 04/21	ARDOT 040780: Bridge Replacements Along SR 186, Franklin County, AR: Engineer for H&H Design. NSI was selected to develop and provide final roadway plans, final bridge plans and a hydraulic analysis for this project that includes the replacement of hydraulic structures at two sites along SR 186 near Altus in Franklin County. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.
Career History	Leah is NSI's Hydrology and Hydraulics Lead in LA, overseeing H&H and drainage design projects statewide. With a decade of diverse experience in Civil and Coastal Engineering, she brings extensive project engineering and management expertise. Leah excels in design, planning, and budgeting, and is skilled at preparing permits, plans, specifications, and reports for various civil engineering projects. She has played a key role in engineering and designing complex projects for coastal ports, parish governments, the LADOTD, the Coastal Protection and Restoration Authority, and private developers.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Colby Curtis, PE, CFM			Years of relevant experience with this employer	3
	Title	Project Engineer			Years of relevant experience with other employer(s)	3
	Degree(s) / Years / Specialization			BS / 2020 / Civil and Environmental Engineering		
	Active registration number / state / expiration date			PE No. 49117 / LA / 09-30-26		
	Year registered	2024	Discipline	Civil Engineer		
	Contract role(s) / brief description of responsibilities			Hydraulics & Scour 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 years of experience specified in the applicable MPR(s).					
06/24 – Ongoing	LA 16: N 2nd Street to LA 445 (SPN. H.009425.5); H&H Analysis and Design Services; Tangipahoa Parish LA: 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.					
08/24 – 10/24	US 90: Roundabout at LA 101 (SPN. H.015226); H&H Analysis and Design Services; Calcasieu Parish, LA: The proposed roundabout at the intersection of US90 and LA101 conflicted with an existing swale used to capture an adjacent property’s runoff. To re-route this flow, calculated the site’s existing runoff and designed two detention ponds on either side of the property that would both ensure that the development maintained its permitted discharge into the state’s roadside ditches as well as avoided the footprint of the new roundabout.					
11/23 – 08/24	Maxwell Creek No Rise Study, Murphy, TX: The city is adding two pedestrian bridges on either side of East FM 44 road at the crossing of Maxwell Creek as well as low crossing a half mile downstream. A hydraulic analysis was performed to document any increase in water surface elevation and mitigate this increase in the stream due to these added obstructions to meet the FEMA required No Rise condition.					
06/21 – 06/24	MDOT Hydraulics IDIQ Master Contract (2021-24) Statewide, MS: Neel-Schaffer holds a 3-year IDIQ Master Contract with the MDOT to provide Hydraulic and Hydrologic Engineering services as requested. Under this contract, Neel-Schaffer has or is performing the following tasks: MDOT SR 172 Bridge Replacement, Tishomingo County, MS: Project Engineer. Bridge replacement project involving modeling the existing and proposed bridge alternatives in SMS to analyze scour. Project is now in design phase. MDOT SR 4 Bridge Replacement, Tippah County, MS: Project Engineer. Bridge replacement project involving modeling the existing and proposed bridge alternatives in SMS to analyze scour. Project is now in design phase. MDOT SR 313 Bridge Replacement, Marshall County, MS: Project Engineer. Bridge replacement project involving modeling the existing and proposed bridge alternatives in SMS to analyze scour. Project is now in design phase. Phase I-II Scour Evaluation of US 84 at Tallahala Creek and Relief – Br. Nos. 151.5 and 151.7; SR 15 at Tallahala Creek and Relief – Br. Nos. 80.1 and 80.4 (Jones County) and Phase I-II Scour Evaluation of I-22 at Pechahalee Creek – Br. Nos. 46.9A and 46.9B; I-22 at Oaklimer Creek – Br. Nos. 49.2A and 49.2B (Benton County): Project Engineer. Scour evaluation project involving channel stability analysis and SRH-2D modeling to calculate scour for eight bridges in Jones and Benton County.					
07/23 – 11/24	DeSaix Bridge Replacement, New Orleans, LA: Design of a replacement bridge in Bayou St. John, City of New Orleans. Obtained needed permitting to begin construction phase of project. Reviewed submittals and RFIs, checked monthly quantities usage, updated meeting notes, created invoice letters for contractors and subconsultants.					



08/23 – Ongoing	Green Infrastructure Toolkit, New Orleans, LA: Audited and revised the City's standard details, specifications, toolkit calculator, and general guidance document. The details and specifications of focus for NSI's effort were porous concrete pavement, edge restraints, cleanouts, and pavers for sidewalks, alley ways, and parking lanes.
10/23 – 03/24	Pelican Park Water System – Water Modeling, Mandeville, LA: Evaluated the need for a new water well and storage tank at Pelican Park, located in Mandeville, LA. Developed a hydraulic model of the water system using InfoWater Pro that delivers pressurized flow to the park's playing fields and buildings. A data collection effort was conducted that fielded all the park's available information of the pipe network layout, existing wells, pumps, tanks, and sprinkler heads, and logs of monthly water usage. The model incorporated findings and associated properties such as the head losses, flow demands, and system's compliance with Louisiana Department of Health's water pressure requirements. Multiple scenarios were analyzed including adding a new well and tank. The modeling results were presented in a report that established the benefits of a new well and identified areas in the network where the pipes were undersized.
07/23 – Ongoing	St. Tammany Parish Grande Maison Subdivision Drainage: Addressing subdivision flooding issue in Mandeville, LA. Contributed writing Existing Data Memo, Modeling Report, prepared client presentation, reviewed HEC-RAS and PCSWMM model, and created plan sheets for proposed alternatives.
11/23 – 10/24	East Baton Rouge Parish Port Hudson-Pride Road Bank Scour: Upstream of the Port Hudson Pride Road Bridge, the Comite River was causing bank erosion, weakening embankment stability along the north side of the road. To mitigate this hazard, the river was modeled using HEC-RAS 2D to analyze velocities in the river bend as well as tested the effectiveness of constructing multiple bendway weirs to provide the client with the most stable and cost-effective solution. Calculated revetment gradations and design parameters for the bendway weirs.
10/23 – 11/24	Stennis Tech Park Hancock County, MS: Seven-acre site development for future business use. This effort included grading plans, ditch and culvert sizing, designing a detention pond in accordance with MDEQ guidance, laying out building and parking footprints, identifying utility tie-ins, creating specifications for project execution, and permitting.
10/23	New Orleans Sewerage and Water Board Saltwater Intrusion: The saltwater wedge moving up the Mississippi River posed a threat to the City of New Orleans' drinking water as it receives its supply from two intakes on both banks. Drafted preliminary design plans, collected permitting documentation for the Algiers Intake, and laid out initial pipe routing for the Carrollton Intake in a tight time frame to meet the Sewerage and Water Board's urgent needs.
09/23 – 01/24	Huddleston Street No Rise Study, Haltom City, TX: The city is repaving Huddleston Street as well as adding curb and gutter, inlets and storm drains, and sidewalks on either side. The street crosses Stream WB4, which flows through a culvert. A hydrologic and hydraulic analysis was performed to document the changes in runoff and mitigate any increase in water surface elevation in the stream to meet the FEMA required No Rise condition.
06/20 – 06/21	Jimmie Davis Bridge, Bossier City, LA: Internal technical review of the Drainage Calculations for the proposed ditches, culverts, inlets, and storm drains.
Career History	Colby joined Neel-Schaffer's New Orleans office in July 2023 and serves as a Project Engineer in the Water Resources Group. Prior to joining Neel-Schaffer, he worked for three years at the United States Army Corps of Engineers in the Hydraulics Branch for the Vicksburg District office and the Lower Mississippi River and Tributaries Branch for the New Orleans District office during which time he completed numerous dam and levee breach analyses for the Modeling Mapping and Consequences Center (MMC). These projects include Wallace Lake Dam, Tully Dam, Mathes Dam, Wright Patman Dam, Okatibbee Dam, Wax Lake Levees East and West, and the West St. Francis Floodway Levee System.



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Cameron Broussard, PE			Years of relevant experience with this employer	1
	Title	Project Engineer			Years of relevant experience with other employer(s)	5
	Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering; MS / 2020 / Civil Engineering			
	Active registration number / state / expiration date		PE No. 46115 / LA / 03-31-2028			
	Year registered	2021	Discipline	Civil		
	Contract role(s) / brief description of responsibilities		Hydraulics & Scour 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 years of experience specified in the applicable MPR(s).					
07/25 – 01/26	Dove Park Road Drainage Study, Mandeville, LA: Supported H&H alternatives evaluation to reduce neighborhood ponding using a refined 2D HEC-RAS rain-on-grid model and an SSA screening model to quantify ponding depths, drainage duration, and conveyance constraints for multiple design storms (NOAA Atlas 14). Tools: HEC-RAS, ArcGIS Pro, SSA.					
01/24 – 05/25	Lower Mississippi River Comprehensive Study: Developed and calibrated a basin-wide HEC-RAS model using observed high-flow events to support evaluation of river management alternatives. Simulated various scenarios including modified Old River Control Structure operations, Atchafalaya–Wax Lake Outlet deepening, and future sedimentation impacts. Analyzed potential levee overtopping locations under alternative conditions and sedimentation projections. Used R scripts to automate result extraction and streamline visualization of large output datasets. Tools: HEC-RAS, R, HEC-DSS, ArcGIS.					
04/24 – 01/25	Texas Stormwater Initiative: Developed HEC-HMS model for the Mountain Creek Basin and reviewed deliverables for accuracy and compliance with USACE standards. Tools: HEC-HMS, ArcGIS.					
12/23 – 11/24	Lafitte (LA) Feasibility Study: Modeled compound flood scenarios from rainfall and coastal surge to evaluate drainage and overtopping vulnerabilities. Used statistical tools to develop total water level probability curves for risk-informed design. Tools: HEC-RAS, HEC-SSP, ArcGIS.					
10/22 – 12/22	St. Tammany Parish (LA) Feasibility Study: Conducted internal technical review of H&H model, reports, and calculations to ensure accuracy and alignment with USACE standards.					
04/22 – 05/25	Morganza to the Gulf Levee Project: Performed hydraulic design of drainage structures, canals, pump stations, and navigation features for a proposed 98-mile levee and floodwall system. Used HEC-RAS to evaluate flows, velocities, head differentials, and interior drainage performance. Developed a simplified storm surge approximation method to estimate exterior water level impacts using HEC-RAS. Tools: HEC-HMS, HEC-RAS, ArcGIS.					
11/21 – 11/22	Atchafalaya River and Mississippi River Floodwall Prioritization Studies: Generated flow-frequency curves using HEC-SSP and applied them to the upstream boundary of a calibrated 2D HEC-RAS model. Simulated flows were used to extract water surface elevations at critical levee locations, supporting identification of high-risk segments with insufficient freeboard. Tools: HEC-RAS, HEC-SSP, ArcGIS.					
11/22 – 05/23	Comite River Diversion: Conducted internal technical review of H&H model, reports, and calculations to ensure accuracy and alignment with USACE standards.					
01/22 – 05/22	SELA Orleans Project: Conducted internal technical review of H&H model, reports, and calculations to ensure accuracy and alignment with USACE standards.					
06/22 – 10/22	East Baton Rouge Project: Conducted internal technical review of H&H model, reports, and calculations to ensure accuracy and alignment with USACE standards.					
Career History	Mr. Broussard joined Neel-Schaffer in 2025 as an engineer in the Water Resources Group and is based in the Mandeville (LA) office. He has over eight years of experience in hydrologic and hydraulic modeling, developed through his prior work with the U.S. Army Corps of Engineers. Cameron has supported a wide range of civil works projects related to flood protection, levee safety, and stormwater management. His experience includes both inland and coastal systems, with a focus on modeling, design support, and technical review.					



12. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Justin LeBlanc			Years of relevant experience with this employer	14
	Title	GIS Technician (Part Time)			Years of relevant experience with other employer(s)	0
	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			GIS / Mapping / Graphics		
Experience dates (mm/yy-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).					
12/22 – Ongoing	LA 89 at Chemin Metairie Road Improvements: Mr. LeBlanc provided a background aerial image in the form of a single georeferenced mosaic for use in MicroStation for proposed roadway corridor improvements, which include a roundabout. Project is in Youngsville, LA.					
09/22 – Ongoing	E. Milton Avenue Improvements: Mr. LeBlanc provided a background aerial image in the form of a single georeferenced mosaic for use in MicroStation for proposed roadway corridor improvements, which include a roundabout. Project is in Youngsville, LA.					
02/20 – Ongoing	W. Broussard Roundabout at Duhon Road (LA 724): Mr. LeBlanc provided a background aerial image in the form of a single georeferenced mosaic for use in MicroStation for a proposed roundabout. Project is in Youngsville, LA.					
01/23 – Ongoing	LA 383 Stage 0 Feasibility Corridor Study: Mr. LeBlanc assisted in preparing maps and exhibits for project meetings. The maps provide avoidance information with oil and water well locations, locations of schools and parks. Also assisting in providing images and exhibits for Stage 0 Report. Project will focus on corridor improvements along the LA 383 corridor near the town of Iowa, LA in Calcasieu and Jefferson Davis Parishes.					
07/21 – Ongoing	Earhart Expressway Masterplan Stage 0 Feasibility Study: Mr. LeBlanc assisted in preparing maps and aerial exhibits for project meetings and reports. He assisted with the creation of centerline alignment on GIS imagery based on engineers designs and past studies. Project involves prioritizing several proposed projects along Earhart Expressway in Jefferson and Orleans Parishes.					
07/21 – Ongoing	LA 10 Stage 0 Feasibility Improvements: Mr. LeBlanc assisted in creating maps and exhibits for project prioritization meetings for multiple proposed projects for the LA 10 corridor in Bogalusa, LA. Mr. Leblanc also assisted in creating maps and images to be used in Stage 0 reports.					
03/20 – Ongoing	I-20: LA 544 Overpass Replacement, Lincoln Parish, LA: Mr. LeBlanc provided a background aerial image in the form of a single georeferenced mosaic for use in MicroStation 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.					
03/20 – Ongoing	I-69 Stage 0 Feasibility (Ellerbe Road to LA 1): Mr. LeBlanc assisted with providing maps, images, and exhibits for project Stage 0 Reports. The project is in Caddo Parish, LA and involves the design of horizontal alignments for upgrading and extending existing roadway and intersection design. He provided avoidance maps with oil and water well data and other environmental sites.					
03/20 – Ongoing	I-69 Stage 0 Feasibility (Stonewall-Frierson Road): Mr. LeBlanc assisted with providing maps, images, and exhibits for project Stage 0 Reports. The project is in Desoto Parish, LA and involves the design of horizontal alignments for upgrading and extending existing roadway and intersection design. He provided avoidance maps with oil and water well data and other environmental sites.					



12. STAFF EXPERIENCE

	Firm employed by T. Baker Smith, LLC					
	Name		TJ Stokes, PE		Years of relevant experience with this employer	5
	Title		Lead Professional, Subsurface Utility Engineering		Years of relevant experience with other employer(s)	12
	Degree(s) / Years / Specialization			BS / 2009 / Industrial Engineering		
	Active registration number / state / expiration date			PE No. 40079 / LA / 03.31.2028		
	Year registered	2015	Discipline	Industrial Engineer		
	Contract role(s) / brief description of responsibilities			Engineer. TJ will lead and oversee Subsurface Utility Engineering MPR 17.		
Experience dates (mm/yy–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 – 10/23		S.P. No. 4400014661, IDIQ SUE Services Statewide; LADOTD; Statewide, LA - Served as Project Manager and Engineer of Record, supporting 15 separate task orders involving Subsurface Utility Engineering (SUE) and utility coordination. Responsibilities included overseeing and delivering Quality Level B and Quality Level A SUE services in accordance with project-specific scopes. Conducted comprehensive QA/QC reviews of topographic survey data submitted to LADOTD to verify adherence to ASCE 38-02 guidelines. Additionally, evaluated and guided all utility coordination processes, including the development of conflict matrices and conflict resolution plans.				
05/23 – Ongoing		S.P. No. 4400025511, IDIQ SUE Services Statewide; LADOTD; Statewide, LA - Provide Project Management and serve as Engineer of Record, supporting multiple task orders involving Subsurface Utility Engineering (SUE). Oversee and deliver Quality Level B and Quality Level A SUE services in accordance with task order requirements. Perform QA/QC reviews of topographic surveys to ensure compliance with LADOTD requirements and ASCE 38-22 standards.				
05/21 – 03/24		S.P. No. H.003931.5, Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA – As the Project Manager and Engineer of Record for this project, responsibilities included overseeing and delivering Quality Level B and Quality Level A SUE services in accordance with ASCE 38-22 and LADOTD requirements. At the time of award, this was one of the larger SUE projects in LADOTD history spanning 8 miles of Interstate 10 in Calcasieu Parish through a heavily congested manufacturing corridor. Led and supported utility coordination efforts, including the development of a conflict matrix and conflict resolution plans.				
11/25 – Ongoing		S.P. No. H.011242.5, LA 384 Big Lake Rd to McNeese St.; LADOTD; Calcasieu Parish, LA - Contract administrator/Engineer of Record. Responsible for all Subsurface Utility Engineering Quality Level B services for a highly congested 4-mile stretch of LA 384 near McNeese University. This important project requires roadway widening and drainage design where knowledge of exiting utility location is imperative.				
Career History		TJ has over 17 years of experience in successfully managing numerous SUE projects specializing in transportation and roadway projects. As the Lead Professional for Subsurface Utility Engineering, 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 Subsurface Utility Engineering standards listed in CI/ASCE Standard 38-22 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.				



12. STAFF EXPERIENCE

	Firm employed by T. Baker Smith, LLC					
	Name	Perry Smith, Jr.			Years of relevant experience with this employer	5
	Title	Senior Project Manager, Subsurface Utility Engineering			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			Supervisor - Other. Perry will serve as Subsurface Utility Engineering Project Manager and provide utility coordination services for the project.		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
06/21 – 10/23	IDIQ SUE Services, Contract No. 4400014661 (LADOTD) Statewide, LA – SUE Field Manager. Perry managed and coordinated the TBS SUE field crew. He also provided field QC of designation data and crew coordination in the field and reviewed subsurface utilities that were collected in the survey file.					
05/24 – Ongoing	IDIQ SUE Services, Contract No. 44000025511 (LADOTD) Statewide, LA - SUE Project Manager. On numerous projects throughout the state, ranging from small to extremely large, Perry provides project oversight, coordination, and progress tracking in collaboration with DOTD, surveyors, CAD designers, and field crews. His responsibilities include organizing and attending utility coordination meetings, preparing status updates and phased deliverables, reviewing permits and contracts, monitoring timesheets, invoices, and project financials, conducting QA/QC methodology reviews, and leading weekly SUE coordination meetings.					
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 all available records were obtained.					
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 Subsurface Utility Engineering 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 Subsurface Utility Engineering 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.					
Career History	Perry Smith, Jr. is a SUE Project Manager with over 23 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).					



12. STAFF EXPERIENCE

	Firm employed by T. Baker Smith, LLC					
	Name	Kaleb Brooks			Years of relevant experience with this employer	5
	Title	SUE Field Manager			Years of relevant experience with other employer(s)	6
	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. Kaleb will serve as Subsurface Utility Engineering Field Manager.			
Experience dates (mm/yy–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	IDIQ SUE Services, Contract No. 4400014661 (LADOTD) Statewide, Louisiana – Senior SUE Technician / Field Manager. Performed field SUE Quality Level B designation. Responsible for the preparation of detailed field notes for all utilities designated, field sketching of designation markings, and preparation of data sheets. In his field manager role, he coordinated field staff, ensured QA/ QC standards were met, and collaborated with the Project Manager to identify and solve potential issues as they were identified in the field.					
5/24 – Ongoing	IDIQ SUE Services, Contract No. 44000025511 (LADOTD) Statewide, LA - Field Manager. On numerous projects throughout the state, ranging from small to extremely large, Perry provides project oversight, coordination, and progress tracking in collaboration with DOTD, surveyors, CAD designers, and field crews. His responsibilities include organizing and attending utility coordination meetings, preparing status updates and phased deliverables, reviewing permits and contracts, monitoring timesheets, invoices, and project financials, conducting QA/QC methodology reviews, and leading weekly SUE coordination meetings.					
06/21 – 10/23	S.P. No. H.003931.5, Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA – Field 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 all available records were obtained.					
10/21 – 03/22	S.P. H.014747.5, Southern University Ravine Protection; LADOTD; East Baton Rouge Parish, LA – Senior SUE Technician. Managed the field staff providing Subsurface Utility Engineering 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 – Senior SUE Technician. Managed the field staff providing Subsurface Utility Engineering 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.					
Career History	Kaleb Brooks is a SUE Field Manager experienced in Subsurface Utility Engineering and Utility Locating. He designates and locates subsurface utilities according to ASCE 38-02 Quality Levels A and B and acquires utility records for ASCE 38-02 Quality Level D investigations as well as collects necessary data for the use in a professional’s judgment for ASCE 38-02 Quality Level C investigations. Kaleb performs Quality Assurance checks on all field work performed to ensure the utility locations depicted are in accordance with ASCE 38-02.					



12. STAFF EXPERIENCE

	Firm employed by T. Baker Smith, LLC					
	Name		Jill Firmin		Years of relevant experience with this employer	5
	Title		Technical Lead		Years of relevant experience with other employer(s)	22
	Degree(s) / Years / Specialization			BS / 2001 / Industrial Technology		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Senior Technician. Jill will serve as Senior CADD Technician for Subsurface Utility Engineering and Utility Coordination.		
Experience dates (mm/yy–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		IDIQ SUE Services, Contract No. 4400014661; LADOTD; Statewide, LA – Project Designer/CAD Technician. Prepared all Subsurface Utility Engineering and Utility Coordination Deliverables. Utilized the standard LADOTD CAD requirements to ensure correct MicroStation and hard copy deliverables were submitted.				
05/21 – 03/24		S.P. H.003931.5, Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA – Project Designer/CAD Technician. Prepared all Subsurface Utility Engineering and Utility Coordination Deliverables. Utilized the standard LADOTD CAD requirements to ensure correct MicroStation and hard copy deliverables were submitted.				
10/21 – 03/22		S.P. H.014747.5, Southern University Ravine Protection; LADOTD; East Baton Rouge Parish, LA – Project Designer/CAD Technician. Prepared all Subsurface Utility Engineering Deliverables. Utilized the standard LADOTD CAD requirements to ensure correct MicroStation and hard copy deliverables were submitted. Properly differentiated between the Quality Level B and Quality Level C sections per the contract.				
5/24 – Ongoing		IDIQ SUE Services, Contract No. 44000025511 (LADOTD) Statewide, LA - Project Designer/CAD Technician. On numerous projects throughout the state, ranging from small to extremely large, Perry provides project oversight, coordination, and progress tracking in collaboration with DOTD, surveyors, CAD designers, and field crews. His responsibilities include organizing and attending utility coordination meetings, preparing status updates and phased deliverables, reviewing permits and contracts, monitoring timesheets, invoices, and project financials, conducting QA/QC methodology reviews, and leading weekly SUE coordination meetings.				
01/22 – 07/22		S.P. H.012541.5, LA 594; Overpass I-20; LADOTD; Ouachita Parish, LA – Project Designer/ CAD Technician. Prepared all Subsurface Utility Engineering Deliverables. Utilized the standard LADOTD CAD requirements to ensure correct MicroStation and hard copy deliverables were submitted. Worked with external surveyors to ensure the DGN files were to ASCE 38-02 standards.				
Career History		Jill Firmin is the Subsurface Utility Engineering project designer with over 24 years of CAD experience. Jill provides technical support by calculating, analyzing, organizing, coordinating, and researching information, preparing drawings, and generally providing assistance with any other tasks necessary to complete the project. Her essential functions include the following: review, analyze and reduce raw data from field operations; prepare designs, drawings, and calculations for the project; prepares deliverables as directed; completing tasks according to the project schedule; assisting other project teams or departments with technical, field, or other duties as needed or requested; and performing additional duties as assigned or expected to ensure that value is being added to all projects by exceeding clients’ expectations.				



12. STAFF EXPERIENCE

	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		BS / 2009 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 38850 / LA / 09.30.2026		
	Year registered	2014	Discipline	Civil Engineer	
	Contract role(s) / brief description of responsibilities		Supervisor - Engineer. Kenny will serve as the Engineer for the bridge and roadway design engineering services for this project.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
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.				
10/22 – 04/23	S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & 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 entire plan set ensuring compliance with LADOTD standards and coordination with in-construction state project located within the project limits. Coordinated with LADOTD project manager, LADOTD pavement design section, LADOTD hydraulic section, and subconsultants to ensure project delivery meeting all necessary standards and coordinated with 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.				
03/23 – Ongoing	Contract 44-24928, IDIQ Contract for Roadway Design Services; LADOTD; Statewide – Overall Project Manager. Kenny serves as the overall project manager and contract coordinator for this Statewide Roadway Design IDIQ. He coordinates with the engineers of record to ensure staffing needs are met, provides QA/QC, and ensures on time project delivery for multiple ongoing task orders (H.015576, H.015587, H.016095, H.015485, and H.010795). Kenny is also responsible for scoping, manhour estimates, and contract negotiations. He coordinates with LADOTD Project Managers and overall IDIQ Manager.				
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 I included the replacement of 87 bridges throughout fourteen Parishes in Northern Louisiana. The bridge lengths ranged from 20’ to 340’. Kenny is responsible for construction support for Phase I bridge projects and 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.				
10/22 – Ongoing	District 08: I/IJA 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’ and the sites include cross drains, box culverts, and RC slab span bridges. Kenny is the overall project manager and supervisor engineer, responsible for 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 & Area engineers, and sub-consultants to ensure on time and complete deliverables.				
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 survey and roadway design phases. He coordinated with LADOTD staff to ensure delivery in the extremely accelerated schedule.				



11/23 – Ongoing	S.P. No. H.015576, LA 447 & 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.
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.
01/25 – Ongoing	H.015587 LA 3211 @ 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.
10/24 – 09/25	H.015721 LA 30: Roundabout @ 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.
04/15 – 02/17	LA 431 at LA 934 Intersection Improvement, H.007855; LADOTD; Ascension Parish, LA – Project Engineer. Kenny served as Project Engineer for this urban intersection improvement project was road widening, addition of left turn lanes on LA 431, addition of right turn lane on LA 934, and new subsurface drainage at intersection. Kenny designed the roadway geometry, subsurface drainage system, cross drain analysis, pavement markings and signing layout, and sequence of construction.
Career History	Kenny Belou, PE is TBS' 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.



12. STAFF EXPERIENCE

	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			BS / 2014 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 42997 / LA / 03.31.2027		
	Year registered	2018	Discipline	Civil Engineer		
	Contract role(s) / brief description of responsibilities			Engineer. Daniel will serve as a Project Engineer providing bridge and roadway design engineering services on this project MPR 15 .		
Experience dates (mm/yy–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).				
09/15 – 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 & WB) and Tammany Trace (EB & 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.				
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 & final bridge plans for a column supported, 1,400’ 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.				
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’ - 340’. As project manager, Daniel performed QC review of topographic surveys & served as the EOR for bridge & road elements including hydraulic analysis, scour, horizontal/vertical alignments, bridge TS&L, structural design, & load rating for all structures including LG-25 girders, RC slab spans, & 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 & serves as the EOR for bridge & road elements including hydraulic analysis, scour, horizontal/vertical alignments, bridge TS&L, structural design, & load rating for all structures including reinforced concrete slab spans & box culverts.				



03/16 – 04/23	S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & 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 a 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.
09/24 – 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.
11/18 – 09/22	S.P. No. H.013144, Pine Bluff Rd./Drain to Cypress Creek & Tack Allen Rd./Drain to Cypress Creek Bridge Replacements; LADOTD; Ouachita Parish, LA – Engineer of Record. Daniel served as the Engineer of Record for the Ouachita OSBR project, which involved the replacement of two bridges located on Pine Bluff Rd. and Tack Allen Rd. His extensive responsibilities encompassed vertical and horizontal alignment design, ensuring the new structures integrated seamlessly with the existing roadways, utilizing standard plans where applicable and completed structural design and analysis for a RC slab bridge and a RC box culvert. He also verified the proposed structure hydraulic capacity of both structure types and oversaw the production of the plan set. Daniel provided QC efforts for all plan sheets, including both road and bridge components.
Career History	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 Bridge Design & Evaluation Manual, 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.



12. STAFF EXPERIENCE

	Firm employed by T. Baker Smith, LLC				
	Name	Michael Brodnax, Jr., PE		Years of relevant experience with this employer	<1
	Title	Project Engineer, Transportation		Years of relevant experience with other employer(s)	6
	Degree(s) / Years / Specialization		BS / 2019 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 48622 / LA / 09.30.2026		
	Year registered	2024	Discipline	Civil Engineer	
	Contract role(s) / brief description of responsibilities		Engineer. Michael will serve as a Project Engineer providing bridge and roadway design engineering services on this project.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
09/19 – 03/23	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 plan development of structural details using MicroStation software. Reviewed construction shop drawings of rebar, prestressed concrete girders, deck grades, and temporary shoring towers.				
01/20 – 10/23	SR27 Over Little White Oak Creek; MDOT; Copiah County, MS – Structural Engineer in Training. Designed FIB36 prestressed girders, concrete multi column bents, and concrete abutments. Estimated quantities and elevations. Assisted with plan development and drafting. Assumed responsibility for construction administration including RFI's and reviewing contractor submittals.				
01/21 – 02/26	SR601/I10 Interim Interchange; MDOT; Gulfport, MS – Structural Engineer. Designed prestressed girder spans and multi column bents using LEAP Bridge Concrete software. Completed as-designed load ratings using AASHTOware BrR software. Assisted in plan development. Estimated quantities and elevations.				
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 – Project Engineer. 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. Michael is developing and QC'ing LEAP Bridge models for substructure and prestressed superstructure, including abutments and intermediate bents; produces preliminary plans, coordinates structural layouts, and supports weekly financial, resource, and transportation management meetings.				
07/24 – 02/26	I-10 Over Trinity Canal Bridge Repairs; LADOTD; Iberville Parish, LA – Structural Engineer. Develop design repair plans for damaged concrete wingwall, bridge rail, and abutment cap. Responsible for construction admin such as RFI's, NCR's, and contractor submittals.				
03/26 – Ongoing	Roddy Road Bridge over Black Bayou, MA-17-01; Ascension Parish Government; Ascension Parish, LA – Project Engineer. TBS has been contracted to provide all engineering and related professional services necessary to develop complete construction plans for the spot bridge replacement at the Roddy Road hydraulic crossing over Black Bayou. Michael is leading roadway and bridge design coordination from project kickoff through plan production, reviewing scope, profiles, drainage, and models; coordinated multidisciplinary staff, addressed plan markups, revised criteria, conducted monthly client meetings, tracked schedules, and prepared invoices to support timely, accurate deliverables.				
03/24 – 03/25	SR28 Over Pearl River Bridge Repairs; MDOT; Simpson County, MS – Inspection Team Leader, Structural Engineer. Coordinated and led emergency damage inspection on SR28 steel truss bridge over the Pearl River. 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 Mississippi Department of Transportation.				



09/19 – 02/26	Mississippi Statewide Bridge Inspections/Load Ratings; Mississippi Office of State Aid Road Construction (OSARC) – Assistant Project Manager, Bridge Inspection Team Leader. Planned logistics for over 300 bridge inspections per year. Responsible for client correspondence. Completed labor fee estimates for inspections, load ratings, and reporting. Oversaw quality control for inspection reporting and load rating. Led inspection teams to complete NBIS and SNBI bridge inspections on various timber, concrete, and steel superstructure and substructure types. Load rated bridges using AASHTOWare BrR and LEAP Bridge Concrete software in accordance with AASHTO Standard Specifications 2002 and AASHTO LRFD.
11/24 – 02/26	Routine Bridge Inspections; TXDOT; Statewide, TX – Bridge Inspection Team Leader, Load Rater. Task manager for all inspection reporting and load ratings. Responsible for quality control of load ratings and inspection reports. Lead team on routine bridge inspections of various steel and concrete superstructures and substructures.
03/24 – 03/25	Canal St. Bridge Repairs; City of Natchez; Natchez, MS – Structural Engineer. Designed repairs for rolled weathering steel girders and expansion joints. Developed repair plans. Made regular site visits to inspect construction quality.
Career History	Michael Brodnax, Jr., PE 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.



12. STAFF EXPERIENCE

	Firm employed by T. Baker Smith, LLC					
	Name		Daniel Fontenelle, PE		Years of relevant experience with this employer	5
	Title		Project Engineer, Transportation		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization			BS / 2021 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 50693 / LA / 03.31.2028		
	Year registered	2025	Discipline	Civil Engineer		
	Contract role(s) / brief description of responsibilities			Engineer. Daniel will serve as a Project Engineer providing bridge and roadway engineering services on this project.		
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
05/23 – Ongoing		Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA – Project Engineer. Daniel provides design and plan production for several sites of the twelve off-system bridge replacements (9 state projects) throughout LADOTD District 08. In addition to the typical bridge design elements, Daniel also designs the H&V alignments, typical sections, roadway cross section elements, geometric layouts, and cost estimate preparation. He also drafts design exceptions for site specific limitations. Daniel performs hydraulic analysis including the calculation of peak discharge at the bridge structure.				
06/21 – Ongoing Ph I 07/21 – 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 — Project Engineer. Daniel is assisting in producing engineering drawings & plan sets, developing horizontal & vertical roadway alignments, reviewing engineering drawings, interpreting LADOTD standard plans, performing bridge calculations, designing rebar layouts, guard rail design, quantifying bridge & roadway elements, compiling & developing load rating reports, cost estimates, & attending plan-in-hand meetings with the client regarding the project’s status and questions. He also utilized GEO-HECRAS to perform hydraulic & scour calculations.				
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 – Project Engineer. 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. Developing horizontal and vertical alignments, designing substructure and superstructure bridge components, designing rebar layouts, performing bridge calculations, guard rail design, developed structural details, quantifying bridge and roadway components, reviewing engineering drawings, developing cost estimates, and attending client meetings to discuss project status and address any design questions.				
07/21 – 04/23		S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA – Project Engineer. Daniel assisted in plan and detail development, quantifying bridge & roadway elements, & reviewing structural drawings.				
03/23 – Ongoing		US 190: LA 437 to US 190 Bus (Ph. 1); LADOTD; St. Tammany Parish, LA – Project Engineer. 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 bridge geometry includes both horizontal and vertical curvature and is super-elevated to near 4%. The project also includes roadway improvements and widening for the approaches to the bridge and intersection improvements to the adjacent LA 437 intersection. Daniel is assisting with construction administration.				
01/23 – 04/24		S.P. No. H.010557 Lajaunie Road/Lateral 1 Bayou St. Clair Bridge Replacement; LADOTD; Lafayette Parish, LA – Project Engineer. Daniel assisted with roadway design including H&V alignments, cross sectional elements, drainage design and analysis, and quantity calculations.				
09/22 – Ongoing		S.P. No. H.015405, Keller Street Bridge; St. Tammany Parish Government; St. Tammany Parish, LA – Project Engineer. Daniel assists with design and plan preparation of a bridge replacement in St. Tammany Parish. He assists with developing roadway and bridge geometrics including H&V alignment, cross sectional elements, and drainage design and analysis.				



11/23 – Ongoing	S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA – Project Engineer. Daniel serves as the project engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 447 and LA 1025. He designs several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, typical sections, sequence of construction, pay item compilation and quantity take-offs. Daniel has also assisted in creating design report forms.
07/21 – Ongoing	S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA – Project Engineer. Assisting by producing engineering drawings and plan sets, LADOTD standard plans, performing roadway calculations, design of drainage structures, performing quantity calculations, and assisting in the design of the sequence of construction.
08/21 – 12/24	North Columbia Bridge Replacement; City of Covington; St. Tammany Parish, LA – Project Engineer. Daniel is serving as project engineer for this bridge replacement project located in the City of Covington. He assisted with the design for the substructure and superstructure of the two lane bridge located in an urban area. He also completed the design effort to widen the bent to accommodate the relocated waterline after the City determined to attach the waterline to the bridge in lieu of boring below the channel. 95% Final Plans were delivered to the City on schedule
11/22 – Ongoing	MA-17-01, Roddy Road Widening (LA 935 to LA 621); Ascension Parish Government; Ascension Parish, LA — Project Engineer. Daniel is a project engineer for the 1.5mile road widening project and bridge replacement project in Ascension Parish. Daniel provided design elements for this local urban collector road, including drainage design. Daniel also provided design support for the bridge replacement and bridge calculations. The project follows all LADOTD design guidelines and project milestones for project delivery. 100% Final Plans have been delivered to the Parish and the project is awaiting funding.
11/21 – 11/22	Tammany Trace Bridge Inspections; St. Tammany Parish, LA – Bridge Inspector. Daniel assisted in the project's bidding and contract development, conducted inspections of all bridges by performing a hands-on inspection of all bridge components & identifying all deficiencies, developed sketches of each bridge using Microstation, assisted in compiling reports.
Career History	Daniel Fontenelle, PE has over five years of experience in civil engineering, with expertise in off-system and on-system bridge design and bridge inspections by assisting in the plan production and design of over 80 bridge sites and inspection of over 40 bridges. He is proficient in MicroStation and utilizes GeoHECRAS, STAAD, BrR, LEAP Bridge programs.



12. STAFF EXPERIENCE

	Firm employed by T. Baker Smith, LLC					
	Name		Paul Carroll, PE		Years of relevant experience with this employer	9
	Title		Senior Project Engineer		Years of relevant experience with other employer(s)	13
	Degree(s) / Years / Specialization			BS / 2006 / Civil Engineering; BS / 2003 / Mechanical Engineering		
	Active registration number / state / expiration date			PE No. 33902 / LA / 09.30.2026		
	Year registered	2008	Discipline	Civil Engineer		
	Contract role(s) / brief description of responsibilities			Engineer. Paul will serve as project engineer for drainage and hydraulic design MPR 22		
Experience dates (mm/yy-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 – Ongoing		OLHC FY26 Bridge Bundle Program; LADOTD; Louisiana – Hydraulics Lead. The overall project scope includes the replacement of multiple off-system bridges throughout Louisiana. Paul performed hydraulic modeling and design in accordance with LADOTD requirements, including drainage evaluations, structure sizing, and scour analysis. He prepared hydraulics reports, bridge opening sketches, and hydraulic summary tables, and coordinated with the PMC to address comments and obtain approval. Key sites include LA 36 over Creek, LA 1071 over Creek, LA 995 over False Branch, and LA 444 over Bayou Barbary.				
02/21 – 12/22		S.P. H.012812 US 190 at Northshore and Camp Villere, LADOTD, St. Tammany Parish, LA – Project Engineer. Developed a detailed drainage model, coordinated technical requirements with project engineers, delivered model results, and conducted an on-site field visit to verify drainage conditions.				
06/17 – 06/21		S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), LADOTD, St. Tammany Parish, LA – Engineering Support. Assisted in the design for the hydrologic and hydraulic analysis for the bridge sites and box culverts along a new 5.5-mile, four-lane RA-3 roadway from LA 435 to Bush, LA. Performed the hydraulic analysis and modeling of the Talisheek Creek crossing below a 400’ twin span bridge including the delineation of a 17 square mile drainage basin, existing and proposed HEC-RAS model, and determination of backwater, channel velocities and design water surface elevation. Assisted in the development of the Final Hydraulics Report.				
11/18 – 08/19		S.P. No. H.011152, I-12 Widening (US 190 to LA 59), LADOTD, St. Tammany Parish, LA – Engineering Support. Assisted with the drainage design and hydraulics memorandum for all cross drains and bridges on I-12. Created hydraulic model of the existing and proposed drainage for all cross drains to determine if the existing structures were suitable or if they needed to be upgraded to meet hydraulic capacity. Also performed the hydraulic analysis and modeling of the Ponchitalawa Creek crossing below a 175’ twin span bridge including the delineation of a 18 square mile drainage basin, existing and proposed HEC-RAS model, and determination of backwater, channel velocities and design water surface elevation. Assisted in the development of the Final Hydraulics Report.				
06/17 – 08/18		2017-032-RBP, West Esplanade Avenue Restoration Eastbound, Tartan Drive To Haring Road, Jefferson Parish Government, Jefferson Parish, LA – Project Engineer. Designed subsurface drainage network along the sidewalk for the reconstruction design of approximately 2,650 linear feet of two-lane concrete roadway. Also assisted in plan production and bidding process.				
05/17 – 10/19		2017-015-RBP, David Drive Corridor Improvements, West Napoleon Avenue to Veterans Boulevard, Jefferson Parish Government, Jefferson Parish, LA – Engineer of Record. Designing, developing plan and specifications, modeling, and writing the report for the drainage improvements associated with the reconstruction of the roadway corridor.				
06/11 – 06/12		West Avenue Bridge Replacement, St. Tammany Parish Government, St. Tammany Parish, LA – Project Engineer. Responsible for drainage design and hydraulic analysis using HEC-RAS for the replacement of a one-span timber bridge with 2-120” culverts in Covington, LA. Prepared plans, specifications, and bidding documents for the project.				
06/13 – 08/14		Goslee Road Bridge Replacement, St. Tammany Parish Government, St. Tammany Parish, LA – Project Engineer. Responsible for drainage design and hydraulic analysis using HEC-RAS for the replacement of a one-span timber bridge in Covington, LA. Prepared plans, specifications, and bidding documents for the project.				



10/20 – 07/22	Goodbee Detention Pond, St. Tammany Parish Government, St. Tammany Parish, LA – Project Drainage Lead. Assisted in determining survey data collection and modeling needs. Lead technical design of proposed drainage improvements including proposed ponds in the next phase. This project included drainage in the HWY 1077 area undergoing mostly residential development which is subject to frequent shallow flooding which needs improvement.
07/20 – 08/24	St. Charles West Bank Master Drainage Plan, St. Charles Parish, LA – Project Technical Lead. Oversaw the development of H&H model development using 2D HEC-RAS modeling of drainage system in St. Charles Parish. This plan separated the parish into multiple watershed basins with modeling and drainage improvement recommendations specific to each basin. The project included the creation of digital terrain models by merging survey data with LiDAR data within the drainage systems to develop elevation volume curves of the available storage as well as the flow characteristics of the basins.
06/20 – 04/22	Amazon Distribution Center; Scannell Properties, LLC; Carencro, LA – Drainage Engineer. Paul provided engineering services for the 150-acre site design supporting the 1,080,000 square foot facility with 1,000 passenger vehicle parking spaces and 300 truck trailer stalls. This work included off-site road improvements, drainage design of site including 40 acres of detention ponds, on-site and off-site drainage modeling in SWMM, a no flood rise modeling in HEC-RAS, sewer design including five lift stations and a force main, site permitting, pavement design, and materials submittal reviews.
05/17 – 01/19	Bogue Falaya H&H Modeling and Regional Pond Location Study; St. Tammany Parish Government; St. Tammany Parish, LA – Drainage Modeling Lead. Provided project management, QA/QC review of HEC-RAS H&H model, and developed multiple conceptual pond sizing, location, and design options. Multiple iterations of the pond locations were used to evaluate and maximize benefits and lower water surface elevations. Worked closely with Parish in developing pond options. Project includes providing updated survey information including channel cross sections, developing a H&H model, evaluating pond locations and scenarios and providing recommendations for ponds to achieve the greatest benefit. Determine optimum solution to regional retention within the Bogue Falaya watershed to minimize flooding impacts to existing residences, including conceptual design of several large regional ponds.
Career History	Paul is a professional civil engineer and has expertise in stormwater drainage, retention ponds, levees, roadway vertical curves, structural design, and project management. He provides advanced technical support and assists in developing project plans, specifications, and estimates. His modeling software experience includes SWMM, HEC-RAS, HEC-HMS, GeoHECRAS, Win-TR55, Hydraflow Hydrographs, SSA, and HydroCAD. As the former Drainage Engineer for St. Tammany Parish, his background in regional detention pond design, flood protection, construction, and maintenance uniquely qualifies him to design and manage public works projects.



12. STAFF EXPERIENCE

	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		BS / 2011 / Geomatics			
	Active registration number / state / expiration date		PLS No. 5145 / LA / 03.31.2028			
	Year registered	2015	Discipline	Professional Land Surveyor		
	Contract role(s) / brief description of responsibilities		Surveyor. Jean will oversee all surveying efforts for the contract and satisfies MPR #16 .			
Experience dates (mm/yy-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 – 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 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 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 – 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 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 – Sr. Project Manager. Responsible for field crew oversight, data processing and review, and deliverables preparation. 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.					
04/19 – 12/19	S.P. No. H.007811.5 Comite River Diversion; LADOTD; East Baton Rouge Parish, LA – Sr. Project Manager. Responsible for field crew oversight, data processing, Title Research and QA/QC. Assisted in the development of Right of Way Maps for the construction of a diversion canal over virgin terrain from the Comite River to the Mississippi River, including bridges at multiple highway crossings.					
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 man-hour estimate preparation and contract negotiations. Jean coordinates with private landowners, railroads, and other entities to obtain right-of-entry prior to 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 project schedule. To date, Jean has successfully completed 12 task orders (H.009892, H.014414, H.015587, H.016324, H.016326, H.014308, H.015308, H.015449, H.016322, H.016323, H.016333) with one more currently active (H.011242).					
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.					
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 to 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 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 portrayed on right of way maps.					



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 to 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 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 portrayed on right of way maps.
05/13 – 03/14	S.P. No. H.002375: Amite River Bridge near French Settlement; LADOTD; Livingston Parish, LA – Project Manager. Responsible for field crew oversight, data processing and review, and deliverables preparation. Performed Topographic and Bathymetric surveys for construction of a replacement bridge along LA 16 over the Amite River.
06/19 – 08/19	S.P. No. H.004791: LA 23: Belle Chasse Bridge and Tunnel (HBI); LADOTD; Orleans and Plaquemines Parish, LA – Sr. Project Manager. Responsible for field crew oversight, data processing and review, and deliverables preparation. Performed Topographic Survey for the construction of a bridge over the Intracoastal Waterway in Belle Chasse, LA.
06/16 – 2/17	S.P. No. H.000263.5 Chef Menteur Pass Bridge; LADOTD; Orleans Parish, LA – Sr. Project Manager. Responsible for Topographic/ bathymetric survey, field crew coordination, and deliverables preparation. Performed Topographic Survey and assisted in Right of Way Map development for the construction of a replacement bridge along US 90 over Chef Menteur Pass .
02/17 – 4/18	S.P. No. H.004987 US 190 Collins Blvd. 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 Subsurface Utility Engineer. Provided QAQC and assisted in Deliverables preparation.
Career History	Jean Reulet, III, PLS serves as TBS' 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.



12. STAFF EXPERIENCE

	Firm employed by T. Baker Smith, LLC				
	Name	Rene Hebert, PLS, PMP		Years of relevant experience with this employer	17
	Title	Survey Lead Professional		Years of relevant experience with other employer(s)	2
	Degree(s) / Years / Specialization		BS / 2008 / Geomatics		
	Active registration number / state / expiration date		PLS No. 5070 / LA / 03.31.2028		
	Year registered	2011	Discipline	Professional Land Surveyor	
	Contract role(s) / brief description of responsibilities		Surveyor. Rene will provide surveying services for the contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
07/20 – 02/24	Contract 44-17598, 4400019336 Rural Bridge Replacement Initiative Phases I & II; LADOTD; Districts 04, 05, 08, and 58 – Survey Lead Professional. Responsible for overseeing topographic surveys, crew coordination, oversight of data processing, TBS performed control, topographic, and right of way surveys for the replacement of 87 bridge structures. Data was captured to detail the existing bridges themselves, roadways on either side, and surrounding terrain to ensure proper tie into to existing surfaces. Cross sections of the channels they cross were also surveyed to provide information for hydraulic modeling. Data is then processed and QA/QCd, and coordinated with in house engineers designing the replacement bridges.				
06/23 – Ongoing	Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA – Survey Lead Professional. Performed resource allocation and oversight for the completion of topographic surveys, property surveys and right of way maps. Project involved the replacement of 12 bridges and all deliverables were prepared according to LADOTD Location and Survey Standards.				
11/21 – Ongoing	Contract 44-21973 IDIQ for Professional Surveying Services; LADOTD; Statewide, LA – Survey Lead Professional. Rene assists the surveyor with man-hour estimate development and project QAQC. He also oversees the allocation of resources to the project, ensuring delivery according to project schedule.				
11/23 – 02/24	S.P. No. H.015576 LA 447 & LA 1025: Roundabout; LADOTD; Walker, LA – Survey Lead Professional. Rene oversaw the completion of a topographic survey for the design and construction of a roundabout. He also assisted the Surveyor with resource allocation in order to maintain project schedule.				
07/24 – Ongoing	IDIQ for Professional Surveying Services; MDOT; Statewide, MS – Surveyor of Record. Rene assists with scope development, manhour estimate preparation, and contract negotiations. He oversees topographic and hydraulic data collection, data processing, and utility research. He provides QAQC and coordinates with the project team on resource allocation to maintain project schedule.				
12/23 – 04/24	S.P. No. H.015555 LA 1077 & Brewster Rd Roundabout; LADOTD / St. Tammany Parish; Madisonville, LA – Survey Lead Professional. Rene oversaw the completion of a topographic survey for the design and construction of a roundabout. He also assisted the Surveyor with resource allocation in order to maintain project schedule.				
07/16 – 09/16	S.P. No. H.004113, I-12 to Bush: LA 3241: LA 435 to LA 40/41; LADOTD; St. Tammany Parish, LA — Survey Lead Professional. Oversaw topographic surveying, property surveys and Right of Way map production including 101 parcels for new 5.5-mile, four-lane SA-3 roadway from LA 435 to Bush, LA. Topographic Survey included a DTM width of 300’ through heavily wooded terrain and several drainage crossings and bridge structures.				
07/17 – 01/22	S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA — Survey Lead Professional. Responsible for the supervision of the topographic survey of a 2.7 mile stretch of LA 20 near Vacherie, LA. Oversaw crew coordination, data processing, deliverable preparation and also surveyor of record for the Final R/W Maps. Oversaw the survey through challenging environments including forested wetlands, parallel borrow canal, and substandard bridge design width and sight lines.				
Career History	Rene Hebert, PLS, PMP is a lead professional and project manager at TBS. He is directly involved in the oversight and execution of the technical aspect of surveying projects including producing and revising drawings, sketches, and plans for contract documents and QA/QC of surveying services. He coordinates work among project technicians, field crew coordinator, field survey personnel, and other required project professionals. His experience includes topographic, boundary and GPR surveys; and underwater acoustic hydrographic surveys including multibeam, single beam, side scan sonar, acoustical soundings, magnetometry and other bathymetric surveys. Rene holds the Project Management Professional (PMP #3150916) certification, as well as ATSSA TCS and TCT certifications				

12. STAFF EXPERIENCE

	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		BS / 2008 / Business Management			
	Active registration number / state / expiration date		PLS No. 5342 / LA / 09.30.2026			
	Year registered	2024	Discipline	Professional Land Surveyor		
	Contract role(s) / brief description of responsibilities		Surveyor. Jeremy will serve as Project Surveyor for this contract.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
11/25 – Ongoing	S.P. No. H.008069.5 Peters Road Bridge & Extension (Ph 3); LADOTD; Jefferson & 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.					
03/20 – 12/22	S.P. No. 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 & mobile LiDAR and conventional topographic data to replace the current bridge.					
09/25 – Ongoing (survey complete 12/25)	S.P. No. H.016392 Vintage Dr Westbound Resurfacing (Duncan Canal to Power Blvd.); City of Kenner/LADOTD; Kenner, LA – Project Surveyor. 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.					
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 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 project schedule.					
09/25 – 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 – Project Manager. T. Baker Smith serves as the prime consultant for OLHC’s 2026 Bridge Bundle Program, delivering comprehensive engineering, surveying, and construction support services for nine bridge replacement projects across Districts 02, 61, and 62. Responsible for topographic surveying and right-of-way establishment that included field investigations for existing right-of-way determination.					
02/19 – 04/25	S.P. No. H.004273.5 – I-49 Connector; LADOTD; Lafayette Parish, LA – Survey CAD Technician. Responsible for providing topographic and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed terrestrial LiDAR scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.					
06/20 – 03/22	S.P. No. H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990 – Rural Bridge Replacement Initiative Phase I, 7 State Project Numbers (22 Bridge Sites); LADOTD; Districts 04, 05, 08 and 58 (4400017598) – Survey CAD Technician. Responsible for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping.					
06/21 – 04/25	S.P. Nos. H.014219, H.014222, H.014228, H.014231 and H.014236 – Rural Bridge Replacement Initiative Phase II, 5 State Project numbers (20 Bridge Sites); LADOTD; Districts 04 and 05 (4400019336) – Survey CAD Technician. Responsible for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping.					



08/19-10/19	S.P. Nos. H.011670- I-10/Loyola Interchange Improvements; City of Kenner/LADOTD; Kenner, LA – Survey CAD Technician. Provided Topographic Survey, Right- of-Way Survey, and Drainage Survey. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule.
08/23 – 04/25	S.P. No. H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553- Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program, 10 State Project Numbers (13 Bridge Sites); LADOTD; District 61 (4400025029) – Survey CAD Technician. Responsible for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping.
06/23 – 04/25	Juban Road Extension – Livingston Parish, LA – Survey CAD Technician. Providing control, topographic, and property surveying services. The purpose of the project was to construct a new roadway as a connection between US Highway 190 and Lockhart Road (LA Hwy 1026). Forte & Tablada is also responsible for QA/QC and management of work performed by another Survey firm.
06/18 – 12/19	S.P. No. H.012393- LA 98: Roundabout at Mills St., Lafayette Parish, LA – Survey Party Chief. Provided right of way surveys for this project that requires construction of new roundabout at the intersection of Mills Street and W. Gloria Switch Road (LA Hwy 98) in Lafayette Parish, Louisiana.
07/23 – 08/23	LA 1088 and Viola St. Traffic Improvements St. Tammany Parish, LA – Survey CAD Technician. Provided Topographic and Property Survey to establish existing right-of-way.
07/23 – 08/23	LA 1088 and Viola St. Traffic Improvements St. Tammany Parish, LA – Survey CAD Technician. Provided Topographic and Property Survey to establish existing right-of-way.
Career History	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.



12. STAFF EXPERIENCE

	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 will provide survey technical services on this project.		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
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 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 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 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.					
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.					
06/23 – Ongoing	IJA 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 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 control establishment and data collection. Performed Topographic and Bathymetric surveys for 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 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 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 Blvd. 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 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA – Project Manager. Responsible for field crew oversight and data processing and review. Performed Topographic survey for the design and construction of a roundabout at the intersection 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, and data processing and review. Performed Topographic survey for the widening of I-10 through Baton Rouge.
Career History	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.



12. STAFF EXPERIENCE

	Firm employed by Jacobs Engineering Group Inc.				
	Name	Andrew Cooper		Years of relevant experience with this employer	16
	Title	Environmental Specialist Air and Noise		Years of relevant experience with other employer(s)	17
	Degree(s) / Years / Specialization		BS / 1987 / Environmental Management		
	Active registration number / state / expiration date		N/A		
	Year registered	N/A	Discipline	N/A	
	Contract role(s) / brief description of responsibilities		Noise and Air Analysis for highway projects MPR 5		
Experience dates (mm/yy–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).				
08/24 – 04/26	TxDOT - South Padre Island Second Access Project, Cameron Count, Texas – New-location four-lane roadway providing a second mainland access to South Padre Island, extending approximately 17 miles from SH 100 / Buena Vista Drive to PR 100 on South Padre Island. Responsible for preparation of the Traffic Noise Report and Air Quality Analysis.				
05/20 – 10/24	TxDOT - State Loop 1604 from Macdona Lacoste Road to U.S. Highway 90 in San Antonio, Texas - Expansion of Loop 1604 from a two-lane roadway to a four-lane divided highway over approximately 7.5 miles. Served as Environmental Project Manager; prepared the Traffic Noise Report and Air Quality Analysis.				
04/13 – 08/20	Central Texas Regional Mobility Authority and TxDOT - MoPac South Environmental Study in Austin, Texas - Proposed 8.5-mile corridor improvement involving the addition of two express lanes in each direction on MoPac from Cesar Chavez Street to Slaughter Lane. Prepared the Traffic Noise Report and Air Quality Analysis.				
04/13 – 08/15	TxDOT and Central Texas Regional Mobility Authority - MoPac Intersections Environmental Study in Austin, Texas - Grade separation of MoPac Expressway at Slaughter Lane and La Crosse Avenue, allowing MoPac traffic to pass under ex-isting cross streets. Responsible for the Traffic Noise Report and Air Quality Analysis.				
01/10 – 06/15	Alamo Regional Mobility Authority - US 281 Environmental Impact Statement, San Antonio, Texas - Controversial 8-mile expansion of US 281 to a six-lane expressway with two non-tolled outer lanes in each direction from Loop 1604 to Borgfeld Drive; included direct access to a park-and-ride system. Prepared the Traffic Noise Report and Air Quality Analysis.				
03/03 – 11/06	Grand Parkway Association - Grand Parkway, Segments E, F-1, F-2 and G, Houston, Texas – New-location 52-mile third outer loop freeway around the Houston metropolitan area. Completed Traffic Noise Report and Air Quality Analysis.				
09/99 – 09/02	Maryland Transportation Authority - I-95, Section 100, JFK Memorial Highway, Baltimore City and Baltimore County, Maryland - Eight-mile section of I-95 including the highly complex “Spaghetti Bowl” interchange, one of the most congest-ed corridors north of Baltimore at the time. Responsible for the Traffic Noise Report, including analysis and design coordi-nation for multiple noise barrier systems.				
07/98 – 05/01	North-South Expressway, I-220 to Arkansas State Line, Caddo Parrish, Louisiana – A four-lane, divided, fully controlled-access highway on new loca-tion, approximately 35 miles in length. Prepared and completed the Traffic Noise Report and Air Quality Analysis.				

12. STAFF EXPERIENCE

	Firm employed by Jacobs Engineering Group Inc.					
	Name		Patrick Joseph		Years of relevant experience with this employer	20
	Title		Senior Environmental Technologist		Years of relevant experience with other employer(s)	5
	Degree(s) / Years / Specialization			BS / 2004 / Industrial Technology MA / 2009 / Planning and Environmental Policy		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Noise and Air Quality Analysis. Responsible for performing traffic noise modeling using FHWA TNM, evaluating noise impacts and abatement measures, and conducting air quality analyses in accordance with EPA and FHWA requirements for NEPA documentation. MPR 6		
Experience dates (mm/yy–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).				
2005 – Ongoing		Programmatic Air Quality and Noise Analysis – Nationwide Transportation Projects: Performed traffic noise and air quality analyses for highway and transportation projects nationwide in support of NEPA documents (EIS, EA, SEIS, Reevaluations, CEs). Experience includes FHWA Traffic Noise Model (TNM) modeling, highway air quality analysis using EPA MOVES, mitigation evaluation, and preparation of technical reports in compliance with 23 CFR 772 and EPA requirements.				
10/23 – 02/25		SH 99 (Grand Parkway) Segment B1 – Noise Reevaluation (TxDOT) : Updated TNM models for post-ROD design changes, reassessed impacted receptors, and re-evaluated abatement feasibility and reasonableness. Supported regulatory compliance and approval of updated noise analysis for a major highway corridor project.				
01/21 – 02/24		I-11 / I-515 / US 95 / US 93 Corridor – EIS (Nevada DOT) : Served as Noise Technical Lead for a complex urban high-way reconstruction. Developed TNM models for multiple alternatives, evaluated impacts, and conducted abatement analyses in accordance with FHWA requirements. Supported EIS documentation, agency coordination, and public review.				
07/20 – 03/24		I-94 East–West Corridor – Supplemental EIS (WisDOT) : Led noise analysis for a major highway corridor redesign. Updated TNM models to reflect revised roadway geometry and structures and prepared technical documentation supporting Supplemental FEIS/ROD approval.				
01/23 – 04/23		Hobby Airport EA Reevaluation (Houston, TX) : Performed air quality modeling using EPA MOVES to evaluate construction and operational emissions. Prepared technical documentation supporting environmental approval.				
03/17 – 07/19		Reno Spaghetti Bowl Reconstruction – EIS (Nevada DOT) : Performed corridor-level TNM modeling and noise analysis for reconstruction of a major interstate highway system. Supported FEIS/ROD documentation and federal approval.				
03/22 – 03/23		George Bush Intercontinental Airport (IAH) – Categorical Exclusion (Air Quality) : Patrick conducted detailed MOVES emissions modeling to support CATEX documentation for taxiway reconstruction. His work evaluated construction and operational emissions in accordance with FAA and EPA guidance and was used to support environmental approval issued in April 2023.				
01/17 – 02/21		North Houston Highway Improvement Program – EIS (TxDOT) : Led noise modeling and documentation for a major urban highway corridor project. Developed TNM models, evaluated impacts, and conducted abatement analyses supporting FHWA Record of Decision.				
01/15 – 02/20		I-35 Improvement Project – EA/FONSI (TX/OK) : Performed traffic noise modeling, impact analysis, and mitigation evaluation for interstate highway widening and realignment. Supported public involvement and NEPA documentation leading to FHWA FONSI approval.				



12. STAFF EXPERIENCE

	Firm employed by Jacobs Engineering Group Inc.					
	Name		Scott Pierce		Years of relevant experience with this employer	2.5
	Title		Senior Cost Estimator		Years of relevant experience with other employer(s)	25
	Degree(s) / Years / Specialization			BS / 2002 / Civil Engineering		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Cost Estimating / Project Controls MPR 25 / Independent Cost Estimator (ICE)		
Experience dates (mm/yy-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).					
07/25 – Ongoing	West Seattle Link Extension (Sound Transit, WA): Leading structures estimating for an ~\$800M elevated guideway and cable-stayed bridge as part of a >\$5B program. Developed 30% and 60% design-level cost estimates using labor, equipment, subcontractor, and material pricing. Experience includes elevated structures, bridge systems, and large-scale transportation corridor estimating.					
09/25 – Ongoing	I-40 French Broad River Bridge (TDOT, TN): Lead estimator providing ICE services for a \$320M, 17-span interstate bridge. Developed 30% and 60% estimates to support CMGC delivery and agency negotiations. Experience includes major bridge construction, cost validation, and contractor pricing reconciliation.					
06/25 – Ongoing	Cortez Bridge Replacement (FDOT, FL): Led Independent Project Cost Estimate (IPC) for \$150M bridge carrying FL State Road 684 over Sarasota Bay. IPC’s perform a Pareto (80-20) Analysis to determine the cost drivers of a project and generate bottom-up estimates for those drivers, which are used to verify the FDOT estimate. Ongoing efforts include review meetings with the FDOT district and/or Central Office, which aim to reconcile the estimates and ultimately modify the State’s budget and seek approval to move the Project forward.					
01/24 – 07/25	I-395 Bridge Rehabilitation (DDOT, DC): Prepared 10% and 30% design-level engineer’s estimates for interstate bridge rehabilitation project (> \$110M). This project, anticipated to be let as a Design-Build Procurement in 2025/2026, proposes the rehabilitation of this 1950’s bridge. The rehabilitation involves replacement of an existing bascule span with a fixed span, using Accelerated Bridge Construction (ABC) techniques. The proposed span will be built on temporary supports in the river, using barge-mounted equipment, and then slid into place over a single weekend shutdown. The project also involves rehabilitation of the approach span substructure, including underwater repairs, and replacement of the bridge barrier and overhang along the full length of this 1,300LF bridge.					
11/23 – Ongoing	Sam Houston Ship Channel Bridge (HCTRA, TX): Provides bottom-up cost estimating for multiple components of the ~\$1 billion cable-stayed bridge carrying the Sam Houston Tollway over the Houston Ship Channel. Responsibilities include development of detailed estimates for bridge superstructure elements, demolition of the existing structure, and construction indirect costs. Supports the client in establishing cost certainty and negotiating fair and reasonable pricing with the Contractor, with estimates serving as the basis for change order evaluation and project cost validation.					
05/24 – Ongoing	Frederick Douglass Tunnel Program (Amtrak, MD): Providing cost estimating and negotiation support for ~\$2B construction package including roadway, bridges, utilities, and structural systems. Develops independent estimates and supports reconciliation with CMAR contractor and ICE. Performs value engineering and change order evaluation.					
11/23 – Ongoing	Sawtooth Bridges Replacement (Amtrak, NJ): Led development of Independent Cost Estimate (ICE) for >\$3B multi-bridge replacement program. Prepared detailed bottom-up estimates for staged construction overactive rail corridors. Experience includes bridge structures, complex staging, and long-duration construction cost modeling.					



12. STAFF EXPERIENCE

	Firm employed by Thompson Engineering Inc.					
	Name	Mark Schutt, PE			Years of relevant experience with this employer	27
	Title	Civil Engineer			Years of relevant experience with other employer(s)	2
	Degree(s) / Years / Specialization		BS / 1997 / Civil Engineering; MS / 1999 / Civil Engineering x			
	Active registration number / state / expiration date		PE No. 30528 / LA / 03-31-2027			
	Year registered	2003	Discipline	Civil		
	Contract role(s) / brief description of responsibilities		Roadway Design Support			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
06/22 – Ongoing	STATE PROJECT NO. H.011310: FORD STREET EXTENSION EAST BATON ROUGE PARISH: Project Engineer preparing the preliminary plans for the Ford Street Extension in East Baton Rouge Parish. The design is being coordinated by DOTD in conjunction with East Baton Rouge Parish. The project will extend 2,700’ from LA 67 (Plank Road) to Howell Place Boulevard. The extension will consist of a concrete roadway with 2-11’ lanes, 30’ wide raised median, subsurface drainage, and sidewalks on both sides. Water and sewer design is also included. Plans include typical sections, plan and profile sheets, design drainage map, geometric details, pavement markings, signing layout, construction signing and sequence of construction, temporary erosion plan, and cross sections.					
06/13 – 05/18	STATE PROJECT NO. H.010184: LA 59: CURVE REALIGN AND TUNNEL AT TRACE ST. TAMMANY PARISH LADOTD DISTRICT 62: Project Engineer for the design of road, geometry, and drainage for LA 59: Curve Realign and Tunnel at Trace project. Improvements included flattening the radius of LA 59 at the existing dangerous “S” curve as the road crosses the trace. Other improvements included drainage, utility relocations, and raising the grade of the road two feet for the tunnel. This portion of the project is paid for under the Highway Safety Improvement Program (HSIP). Work also includes construction of a pedestrian tunnel under LA 59. The tunnel work includes a 14’ x 10’ box culvert, approach ramps, sump pump, wet well, waterproofing, and vandal resistant lighting. This portion of the project is funded through the Transportation Alternatives Program (TAP). This project received an “Honor Award” the Special Projects Category at the 3.14.2024 ACECL Engineering Excellence Awards. Construction Cost: \$3.6M (EST)					
09/22 – Ongoing	STATE PROJECT NO. H.014374: US 11 AND SPARTAN ROUNDABOUT ST. TAMMANY PARISH LADOTD DISTRICT 62: Project Engineer for the design, plan preparation, and construction administration for the US 11 at Spartan Drive project located in Slidell. The LADOTD Urban Systems proj-ect includes the construction of a roundabout to replace the existing 4-way signalized intersection. Meyer is tasked with designing the roundabout at the intersection as well as the full roadway reconstruction for road approaches to both US Hwy. 11 and Spartan Drive.					
08/00 – 06/11	STATE PROJECT NO. H.742-26-0044: HARVEY BOULEVARD (WALL BOULEVARD TO ENGINEERS ROAD) JEFFERSON & PLAQUEMINES PARISHES: Project Engineer for Harvey Boulevard from Wall Boulevard to Engineers Road (approximately 4,800 LF). The new asphaltic concrete roadway included four 12’ lanes, concrete curbs, new traffic signals and subsurface drainage. The project also included two 250-foot long girder span bridges, drainage outfalls, backfilling a major canal, and bulkheading around an existing 30-inch gas line. The work also included concrete widening and patching along Engineers Road (LA 3017), and an 180’ long pile supported approach slab over a backfilled canal to avoid future settlement problems. Construction Cost: \$8.9M					
Career History	Mark A. Schutt, PE performs Civil Engineering design for the firm. This includes client contact, cost estimates, design, construction administration, preparation of reports, plans and specifications, and computer programming as needed. While with other firms he conducted extensive research on pile-supported approach slabs. He has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Hydraulics Manual”, “Bridge Manual”, AASHTO’s “Green Book” and the “Louisiana Standards and Specifications for Roads and Bridges”. He is a member of the Louisiana Engineer’s Society of Civil Engineers, and the National Society of Professional Engineers. He attended DOTD’s CADconform and ControlCAD Indexer seminars. He is a LADOTD certified Traffic Control Supervisor and Flagger.					



12. STAFF EXPERIENCE

	Firm employed by Thompson Engineering Inc.				
	Name	David Dupre, PE		Years of relevant experience with this employer	38
	Title	Civil Engineer		Years of relevant experience with other employer(s)	3
	Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 23422/ LA / 03-31-2028		
	Year registered	1989	Discipline	Civil Engineering	
	Contract role(s) / brief description of responsibilities		Roadway Design Support		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/22 – Ongoing	US 190 @ LA 433 INTERSECTION IMPROVEMENTS ST. TAMMANY PARISH: Project Manager for preparing a Stage 0 Study for intersection improvements at US 190 @ LA 433. The improvements may include tying Dixie Ranch Road into this intersection. Design also includes preparing an Intersection Control Evaluation (ICE) Study in accordance with DOTD procedures. To complete this analysis, a traffic study was performed in accordance with DOTD guidelines and standards. A safety analysis was also conducted after reviewing crash reports and trends. Several alternatives to the design are several roundabout layouts as well as intersection improvements.				
01/24 – Ongoing	STATE PROJECT NO: H.015796: VETERANS BOULEVARD SHARED-USE PATH JEFFERSON PARISH: Project Manager for the design of 8,500 linear feet of 12’ wide concrete multi-use path along Veterans Boulevard from Richland Street to Williams Boulevard. Plans and construction will be in accordance with DOTD requirements for this DOTD Transportation Alternatives Project. Improvements include a pedestrian bridge that shall have 13’ – 8” clearance and lighting.				
03/08 - 07/22	STATE PROJECT NO: H.007272: HOWARD AVENUE EXTENSION (LOYOLA AVENUE TO LASALLE STREET) ORLEANS PARISH: Project Manager responsible for managing and designing the extension which consisted of a 1,600’ concrete roadway with curbs, subsurface drainage, turn lane, 7’ wide sidewalks, striping, traffic signals, and street lighting. Construction Cost: \$3.2M (EST)				
06/13 - 12/15	STATE PROJECT NO: H.007855: LA 431 @ LA 934 INTERSECTION IMPROVEMENTS ASCENSION PARISH: Project Manager providing engineering and project management for this DOTD Urban Systems Project which includes intersection improvements which consist of pavement widening, asphalt pavement and base course, asphalt mill and overlay, drainage, and adding left and right turn lanes. Construction Cost: \$1.5M				
01/18 – Ongoing	STATE PROJECT NO: H.013850: DUPLESSIS ROAD SAFETY WIDENING ASCENSION PARISH: Project Manager for the design, plan preparation, and construction administration for the road safety widening. Duplessis Road is categorized as an Urban Collector Roadway that provides connection between major LADOTD Roads: Airline Highway (US Highway 61) and Old Jefferson Highway (LA Highway 73). As part of the Move Ascension Roadway Improvement Program, Meyer is tasked with designing the full roadway reconstruction of the 1.65-mile portion of the road to widen the road from 18’ wide to 26’ wide (two 11’ wide lanes and two 2’ wide paved shoulders). The road and shoulder safety widening will aid in vehicle recovery and provide a safer roadway for traveling motorists. Construction Cost: \$5.2M (EST)				
05/22 – Ongoing	STATE PROJECT NO. H.013522.5: S. LEWIS STREET WIDENING IBERIA PARISH: Project Manager and Senior Design Engineer for the design to widen South Lewis Street with turn lanes to improve its intersection with LA 674 (East Admiral Doyle). The limits on South Lewis Street are approximately 1,100’ south and approximately 700’ north of LA 674 (East Admiral Doyle) in New Iberia, Louisiana. The project will also incorporate improvements on LA 674 (East Admiral Doyle). The improvements will include the addition of turn lanes, pavement widening, mill and overlay, and subsurface drainage.				



06/13-05/18	STATE PROJECT NO. H.010184: LA 59: CURVE REALIGN AND TUNNEL AT TRACE ST. TAMMANY PARISH LADOTD DISTRICT 62: Project Manager for designing the road, geometry, and drainage for LA 59: Curve Realign and Tunnel at Trace project. Improvements included flattening the radius of LA 59 at the existing dangerous “S” curve as the road crosses the trace. Other improvements included drainage, utility relocations, and raising the grade of the road two feet for the tunnel. This portion of the project is paid for under the Highway Safety Improvement Program (HSIP). Work also includes construction of a pedestrian tunnel under LA 59. The tunnel work includes a 14’ x 10’ box culvert, approach ramps, sump pump, wet well, waterproofing, and vandal resistant lighting. This portion of the project is fund-ed through the Transportation Alternatives Program (TAP). Construction Cost: \$3.6M (EST)
10/20 – Ongoing	SCENIC HIGHWAY PROJECT (HARDING BOULEVARD TO SWAN AVENUE) EAST BATON ROUGE PARISH: Project Manager completing the drainage design for the Scenic Highway (Harding Boulevard to Swan Avenue) Corridor Enhancement Project. As part of the MOVEBR Program, the project proposes to enhance pedestrian, transit, and bicycle safety and mobility by improving the existing corridor to better accommodate the Complete Streets needs in the area. Traffic and geometry analysis of considered concepts are being developed to enhance pedestrian, transit, and bicycle mobility throughout the corridor. Meyer is also designing the drainage for this corridor, which includes drainage along Scenic and cross drains across Scenic Highway (US 61) and across Harding Boulevard (LA 48). Construction Cost: \$7M (EST)
10/23 – Ongoing	ST. BERNARD TERMINAL ROAD STUDY ST. BERNARD PARISH: Project Manager for conducting a Stage 0 Feasibility Study to evaluate impacts and assess potential improvements to the surface transportation network in St. Bernard Parish relative primarily to the implementation of the proposed Louisiana International Terminal (LIT) project in Violet, as well as other downriver developments to be identified and reviewed.
Career History	David H. Dupre, PE, is a Principal and a Professional Civil Engineer, registered in the State of Louisiana. He is involved with all aspects of administering engineering projects which include client contact, cost estimates, design, quality control, construction administration, preparation of reports, plans and specifications. He participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water and structural. He was the 2020-2021 Chairman of the Board of the American Council of Engineering Companies Louisiana (ACECL) and the former New Orleans Chapter President. In 2016, he was honored to receive the Outstanding Civil Engineer award from the New Orleans Branch of the ASCE. He is also a member of SAME, ASCE, APWA, CMAA and LES. He has designed projects in accordance with DOTD’s “Roadway Design Manual”, “Hydraulics Manual”, “Bridge Manual”, “Complete Streets Manual”, and the “Louisiana Standard Specification for Roads and Bridges”. He is certified in Local Public Agency Qualification Core Training, Construction Engineering and Inspection (CE&I) Training, Project Planning, Feasibility & Application Workshop, Project Design and Delivery Training. He completed the Designing Streets for Pedestrian & Bicycle Safety Workshop. He is a LADOTD certified Traffic Control Supervisor and Flagger.



12. STAFF EXPERIENCE

	Firm employed by Thompson Engineering Inc.					
	Name		Tyler Gettys, PE		Years of relevant experience with this employer	5
	Title		Civil Engineer		Years of relevant experience with other employer(s)	3
	Degree(s) / Years / Specialization			BS / 2017 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 46806 / LA / 09-30-2026		
	Year registered	2022	Discipline	Civil Engineering		
	Contract role(s) / brief description of responsibilities			Roadway Design Support		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
09/22 – Ongoing	STATE PROJECT NO. H.014374: US 11 AND SPARTAN ROUNDABOUT ST. TAMMANY PARISH LADOTD DISTRICT 62: Assisting with the design, plan preparation, and construction administration for the US 11 at Spartan Drive project located in Slidell. The LADOTD Urban Systems project includes the construction of a roundabout to replace the existing 4-way signalized intersection. Meyer is tasked with designing the roundabout at the intersection as well as the full roadway reconstruction for road approaches to both US Hwy. 11 and Spartan Drive.					
01/18 – Ongoing	STATE PROJECT NO. H.013850: DUPLESSIS ROAD SAFETY WIDENING ASCENSION PARISH: Assisting with the design for the Duplessis Road Safety Widening Project. Duplessis Road is categorized as an Urban Collector Roadway that provides a connection between major LA DOTD roads: Airline Highway (US 61) and Old Jefferson Highway (LA Highway 73). As part of the Move Ascension roadway improvement program, Meyer is tasked with designing the full roadway reconstruction of the 1.65-mile portion of the road to widen the road from 18’ wide to 26’ wide (two 11’ lanes and two 2’ wide paved shoulders). The roadway and shoulder safety widening will aid in vehicle recovery and provide a safer roadway for traveling motorists. Also included in this project is the drainage design and layout of the new subsurface and roadside ditch sections. Construction Cost: \$5.2M (EST)					
01/21 – 04/23	JEFFERSON HIGHWAY AT BLUEBONNET BOULEVARD EAST BATON ROUGE PARISH: Project Engineer for the design of the Jefferson Highway Bluebonnet intersection project. As part of the MOVEBR Program, the project included extending the north and south bound left and right turn lanes on Bluebonnet. Other work included drain inlet structures, driveways, and light pole relocation. Construction Cost: \$1.3M (EST)					
05/22 – Ongoing	STATE PROJECT NO. H.015101: LOWES AVENUE @ LA 44 ROUNDABOUT ASCENSION PARISH: Senior Project Manager and Client Manager responsible for the coordination with the Owner and the Project Manager for the design of a 3-legged roundabout at the intersection of LA 44 and Lowes Avenue in Gonzales, Louisiana. The roundabout design complies with the design guidelines specified in the LADOTD Road Design Manual, AASHTO’s A Policy on Geometric Design of Highway and Streets, and other LADOTD required directives for roundabout design.					
Career History	Tyler J. Gettys, PE, has over eight years of engineering experience and will assist with engineering design and CADD drafting. His experience includes roadway design, bridge replacements, safety projects, roundabouts, and signalized intersections. He has developed typical sections, summary of quantities, design plan and profiles, geometric details/graphical grades, pavement marking/ signing sheets, sequencing of construction and detour signing, diversion bridges and cross sections. He is proficient in Bentley Software Systems including MicroStation, Inroads & ProjectWise, AutoTURN, IHSDM Safety Predictive Analysis, AASHTOWare Project Preconstruction Software, AutoCAD, GIS systems, HYDRWIN Hydraulic Software and Watershed Modeling System (WMS). He is a LADOTD certified Traffic Control Flagger.					



12. STAFF EXPERIENCE

	Firm employed by Thompson Engineering Inc.					
	Name		Alec Simonson, PE		Years of relevant experience with this employer	8
	Title		Civil Engineer		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization			BS / 2017 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 45838 / LA / 03-31-2028		
	Year registered	2021	Discipline	Civil Engineering		
	Contract role(s) / brief description of responsibilities			Roadway Design Support		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
05/22 – Ongoing	STATE PROJECT NO. H.014939: BROWN AVENUE MULTI USE PATH JEFFERSON PARISH: Project Engineer for the design of a multi-use path on Brown Ave in Harvey, LA. For the Brown Avenue Multi Use Path, Mr. Simonson is currently working on design and drafting. His involvement includes path design, drafting of plan & profiles, and drafting of cross sections. He is also involved with the coordination between Jefferson Parish and DOTD. Construction Cost: \$1.1M (EST)					
01/16 – 06/20	STATE PROJECT NO. H.011835.6: LA 25 WASHINGTON PARISH SW, SEG B AND C WASHINGTON PARISH LADOTD DISTRICT 62: Project Engineer for the Construction Inspection Services for the Washington Parish Sidewalk Project in Franklinton, Louisiana. The project consisted of 4,000 LF of 6’ wide decorative concrete sidewalks along Cleveland Street, Main Street (LA 25), Ellis Street, Washington Street (LA 10), Pearl Street and Jackson Street. He assisted with Site Manager and performed payroll review in AASHTOware. Construction Cost: \$453K					
03/19 – 05/20	STATE PROJECT NO. H.012783 (CE&I): WB VETERANS: SEVERN AVE – CLEARVIEW PKWY JEFFERSON PARISH: Assistant Project Engineer for the Construction Engineering Services for Westbound Veterans Boulevard (Severn Avenue – Clearview Parkway) in Jefferson Parish which included pavement patching, superpave asphalt concrete, and combination curb and gutter. The work also included cold planning asphalt pavement, concrete walks, handicap curb raps, striping, loop detectors, guard rail, and new drainage structures. He assisted with Site Manager and performed payroll review in AASH-TOWare. Construction Cost: \$2.9M					
08/15 – 05/18	STATE PROJECT NO. H.007331: PAKENHAM DRIVE (LA 46 – LA 39) ST. BERNARD PARISH: Assistant Project Engineer for the Construction Engineering Services for Pakenham Drive (LA 46 – LA 39) road reconstruction on Pakenham Drive, Jackson Boulevard, Court-house Square, and Tyler Street. Work included constructing a new asphaltic concrete roadway with curb and gutter, sidewalks, and subsurface drainage. Work also included removing the existing roadway, and constructing traffic signals, sewer lines and water lines. He assisted with Site Manager and performed payroll review in AASHTOware. Construction Cost: \$5.3M					
05/17 – 06/19	STATE PROJECT NO. H.00717: LAPALCO (VICTORY – WESTWOOD) JEFFERSON PARISH: Assistant Project Engineer for the Construction Engineering Services for the Lapalco (Victory – Westwood) project. The project included widening the four-lane section of Lapalco Boulevard from Victory Drive to Westwood Drive by adding a median. The work included clearing and grubbing, grading, drainage structures, milling, asphalt pavement, patching, class II base course, and related work. He assisted with Site Manager and performed payroll review in AASHTOware. Construction Cost: \$6.9M					
Career History	Alec Simonson, PE, has eight years of engineering experience and will provide Construction Administration support. He is proficient in various computer programs and has experience in document management for all project phases, creating and modifying drawings, and collaborating with engineers to ensure adherence to specifications and standards. He is a LADOTD certified Traffic Control Supervisor and Flagger.					



12. STAFF EXPERIENCE

	Firm employed by Ardaman & Associates, Inc.					
	Name		Robert Jewell, PE		Years of relevant experience with this employer	19
	Title		PROJECT ENGINEER / BRANCH MANAGER		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 38579 / LA / 09-30-2026; Traffic Control Supervisor / LA / 08-23-2028; DOTD Flagger / LA / 07-31-2029		
	Year registered	2013	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Geotech MPR 18		
Experience dates (mm/yy-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).					
07/23 – Ongoing	SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Project Manager. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Mr. Jewell managed supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped oversee the preliminary engineering analyses which included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. A data report and preliminary geotechnical assessment report were submitted.					
07/21 – Ongoing	SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR): Baton Rouge Parish, LA. Project Manager. The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles. Mr. Jewell currently oversee all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. Mr. Jewell helped develop the Geotechnical Data reports, memorandums and Design reports for this project.					
10/18 – 06/21	SP NO. H.000263.5-1 / CHEF MENTEUR PASS BRIDGE & APPROACH, Orleans Parish, LA. Project Engineer. In conjunction with Ms. Bourgeois, Mr. Jewell oversaw the geotechnical investigation consisting of deep borings and field resistivity testing. Reviewed laboratory tests, final soil and CPT logs, and the data report.					
10/15 – Ongoing	SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE: East Baton Rouge Parish, LA. Project Engineer. This project consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, a bridge crossing Ward’s Creek, and on/off-ramps in south Baton Rouge. Mr. Jewell helped perform analyses including settlement estimates with recommendations for monitoring, driven pile and drilled shaft design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards. Mr. Jewell is currently overseeing the construction phase which includes PDA monitoring, static load testing, and settlement monitoring.					
04/21 – Ongoing	SP NOS. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Manager. The project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers, and creeks. Mr. Jewell oversees all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations.					



07/15 – Ongoing	SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA. Project Manager. The project consists of construction of 5 miles of freeway consisting of a 3.5-mile elevated structure from I-10 to the Airport in Lafayette, LA. Mr. Jewell oversaw the completion of the Phase I geotechnical investigation, which included 116 deep and shallow soil boring, and 15 CPT soundings, and laboratory testing program per LADOTD guidelines. Mr. Jewell oversaw the completion of the Geotechnical Data Report and assisted with technical reviews pertaining to selection of design reaches, geotechnical design of pile and drilled shaft foundations, drivability, slope stability, earth retaining structures, settlement analyses and construction testing program recommendations, including an advanced test pile program. He is currently overseeing development of the Phase 2 field and laboratory program for each segment.
04/14 – Ongoing	SP NO. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241 (LA 36-LA435): St. Tammany Parish, LA. Project Manager. Mr. Jewell oversaw and coordinated the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. He assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts. Mr. Jewell oversaw the construction phase which included PDA testing and settlement monitoring.
10/09 – Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Project Engineer. Mr. Jewell assisted in several aspects of engineering for this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating movement of the I-20 Bridge in Vicksburg, MS. This project consisted of a comprehensive laboratory testing program and refinement of the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. Mr. Jewell helped managed the field investigations and instrumentation programs, along with review of the field data and engineering reporting.
07/09 – 08/11	SP NO. 700-29-0112 / LA-1- PHASE 1: Lafourche Parish, LA: Assistant Project Engineer. Mr. Jewell served in the field as on-site geotechnical engineer during construction for this project. He oversaw and conducted dynamic monitoring using the Pile Driving Analyzer (PDA), performed CAPWAP analyses, reviewed drive logs, and supervised field technicians.
Career History	Mr. Jewell serves as the manager of our Baton Rouge office and has over 15 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Mr. Jewell has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation. In particular, he has over 15 years of experience performing, analyzing, and reporting for PDA testing.



12. STAFF EXPERIENCE

	Firm employed by Ardaman & Associates, Inc.					
	Name		Megan Bourgeois, PE		Years of relevant experience with this employer	20
	Title		PROJECT ENGINEER / ASSISTANT BRANCH MANAGER		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization			BS / 2006 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 36725 / LA / 03-31-2028; Traffic Control Supervisor / LA / 6-21-2028; DOTD Flagger / LA / 8-14-2028; Certified NHI Drilled Shaft Inspector		
	Year registered	2011	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Geotech MPR 19		
Experience dates (mm/yy–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).				
07/23 – Ongoing		SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Project Engineer. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Ms. Bourgeois helped oversee supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. The preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations.				
10/18 – 06/21		SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Project Manager. Managed and oversaw all aspects of an extensive field investigation program including performing 26 deep soil borings and 12 CPT soundings, including borings over 200 feet in over 80 feet deep of high flow water. Ms. Bourgeois also managed laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.				
04/21 – Ongoing		SP NOS. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Engineer. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, over various size rivers and creeks. Ms. Bourgeois leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, construction testing program recommendations, and report preparation in accordance with LADOTD guidelines.				
02/20 – Ongoing		SP NO. H.004791 / DESIGN SUPPORT SERVICES LA 23, BELLE CHASSE BRIDGE & TUNNEL: Plaquemine Parish, LA. Project Engineer/Laboratory Director. Ardaman’s scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI’s for the P3 Project consisting of replacing the Belle Chasse bridge and tunnel. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Ms. Bourgeois assisted in review and acceptance of geotechnical services as well as quality control and review of all acceptance verification sampling and testing during construction.				
10/15 – Ongoing		SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE: East Baton Rouge Parish, LA. Project Manager. This project consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, a bridge crossing Ward’s Creek, and on/off-ramps in south Baton Rouge. Ms. Bourgeois managed all aspects of the project that included field investigations, laboratory testing, and engineering design. Ms. Bourgeois performed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards. She is currently assisting with the field construction monitoring.				



10/09 – Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Project Manager. Ms. Bourgeois manages this multi-million-dollar, highly technical project consisting of investigating movement of the I-20 Bridge in Vicksburg, MS. She managed a highly technical team including academia, experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction, x-ray scanning to identify existing shearing planes and stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation program for this project including vibrating wire piezometers, Casagrande type piezometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures including design and evaluation of large foundation structures and developed technically feasible solutions to mitigate ground movement. She co-authored the geotechnical analysis and design report. She is currently overseeing the comprehensive monitoring program.
05/06 – 12/11	SP NOS. 700-29-0112 & 700-29-0130 / LA 1 – PHASES 1 & 2: Lafourche Parish, LA. Assistant Project Engineer. This project is the second phase of the 17-mile elevated highway spanning from Golden Meadow to Fourchon. Ms. Bourgeois directed the laboratory testing program to ensure strict adherence to LADOTD standards and managed the drilling operations which included deep borings and CPT soundings in the coastal marshes via airboat-mounted equipment. She oversaw the completion of over 70 soil boring logs and evaluated and presented approximately 300 CPT sounding logs for use in design of pile foundations.
Career History	Ms. Bourgeois has more than 19 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. She also has extensive experience with geotechnical instrumentation, installation and monitoring, and construction phase testing and laboratory management. She has served as Ardaman's project manager for many LADOTD projects for bridges and roadways throughout Louisiana and completed numerous geotechnical investigations, engineering, and reporting in accordance with LADOTD standards. She has successfully overseen several major contracts for LADOTD and other clients. Ms. Bourgeois also serves as the director of our geotechnical engineering and CMT laboratories in Baton Rouge and has overseen the laboratory testing programs in accordance with LADOTD standards. In this role, she supervises the laboratory managers, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocol is followed and deadlines are met in addition to providing training material and maintaining all laboratory certifications, including AMRL, CCRL, DEQ & USACE.



12. STAFF EXPERIENCE

	Firm employed by Ardaman & Associates, Inc.					
	Name		Jessica N. Litt		Years of relevant experience with this employer	12
	Title		LABORATORY MANAGER		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization			BS / 2010 / Biologyx		
	Active registration number / state / expiration date			NICET / Generalist, Laboratory No. 141243 / 10-01-2027		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			LABORATORY MANAGER MPR 20		
Experience dates (mm/yy–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).					
03/25 – Ongoing	SP NOs. H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5 / CULVERT REPLACE-MENTS: Evangeline, Jackson, Rapides, Richland, St. Landry, Vernon, and Winn Parishes, LA. Laboratory Manager. Oversaw the completion of a comprehensive laboratory testing program for 100 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis, Hydrometer, Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT in order to produce the LADOTD soil boring logs.					
08/24 – Ongoing	SP NOs. H.015568.5, H.015569 / LA 44 ROUNDABOUTS & WIDENING: Ascension Parish, LA. Laboratory Manager. Oversaw the completion of a comprehensive laboratory testing program for 10 deep and 14 shallow soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT to produce the LADOTD soil boring logs.					
07/23 – Ongoing	SP NO. H.013284 / MRB SOUTH GBR LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Laboratory Manager. Oversaw the completion of a comprehensive laboratory testing program for 18 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt reviewed the consolidation test results and entered the laboratory test results into gINT in order to produce the LADOTD soil boring logs.					
07/23 – Ongoing	SP NOs. H.015489, H.015490, H.015491, H.015492 / IJA: OFF-SYSTEM BRIDGES: Allen, Beauregard, and Calcasieu Parishes, LA. Laboratory Manager. Oversaw the completion of a comprehensive laboratory testing program for 10 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT to produce the LADOTD soil boring logs.					
10/18 – 06/21	SP NO. H.000263.5-1 / CHEF MENTEUR PASS BRIDGE AND APPROACH: Orleans Parish, LA. Laboratory Technician. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.					
11/15 – 01/21	SP NOs. 700-29-0122, 70029-0139, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / MACARTHUR INTER-CHANGE COMPLETION PHASE 2, ROUTE US 90-Z: Jefferson Parish, LA. Laboratory Technician Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.					



04/14 – 03/22	SP NO. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241: St. Tammany Parish, LA. Laboratory Technician. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.
04/14 – 05/18	SP NO. H.004113 / I-12 TO BUSH SEGMENT 3, LA HWY. 3241 (LA 435 TO LA 40 / 41): St. Tammany Parish, LA. Laboratory Technician Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.
10/09 – Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Laboratory Manager. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.
Career History	Ms. Litt serves as Laboratory Manager of Ardaman's Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. She supervises and manages operations of our AMRL Certified, DEQ Accredited, and USACE-validated laboratory and performs and oversees laboratory testing assignments, organizes, and schedules testing, trains and develops technicians, and supervises five laboratory technicians. Ms. Litt is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and LADOTD testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size Analysis, Gradation Testing, Organic Content, Hydrometer Analysis, Moisture Content, Consolidation Testing, Hydraulic Conductivity, pH, Resistivity, Strength Testing (Unconfined, Unconsolidated-Undrained Triaxial, Consolidated-Undrained Triaxial), Direct Shear, Specific Gravity, and Permeability of Granular Soils.



12. STAFF EXPERIENCE

	Firm employed by Ardaman & Associates, Inc.					
	Name	Casey Floyd			Years of relevant experience with this employer	5
	Title	DRILLING SUPERVISOR			Years of relevant experience with other employer(s)	30
	Degree(s) / Years / Specialization			High School Diploma		
	Active registration number / state / expiration date			Traffic Control Technician / LA / 9-5-2027; Traffic Control Supervisor / LA / 9-6-2027; DOTD Flagger / LA / 6-04-2028; Louisiana Water Well Driller's License #WWC-212, 6-30-2026		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Drilling Supervisor MPR 21		
Experience dates (mm/yy-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).					
03/25 – Ongoing	SP NOs. H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5 / CULVERT REPLACE-MENTS: Evangeline, Jackson, Rapides, Richland, St. Landry, Vernon, and Winn Parishes, LA. Drilling Supervisor. The project consisted of geotechnical field investigations throughout Louisiana consisting of ten soil borings to depths ranging from 100 to 120 feet. Mr. Floyd oversaw the field investigation program consisting of 10 deep soil borings in accordance with LADOTD guidelines. He performed site reconnaissance at each location and coordinated the access along with traffic control.					
08/24 – Ongoing	SP NOs. H.015568.5, H.015569 / LA 44 ROUNDABOUTS & WIDENING: Ascension Parish, LA. Drilling Supervisor. Mr. Floyd oversaw the field investigation program consisting of 10 deep and 14 shallow soil borings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.					
07/23 – Ongoing	SP NOs. H.015489, H.015490, H.015491, H.015492 / I/JA: OFF-SYSTEM BRIDGES: Allen, Beauregard, and Calcasieu Parishes, LA. Drilling Supervisor. Mr. Floyd oversaw the field investigation program consisting of 10 deep soil borings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.					
03/22 – 01/25	SP NO. H.002244.5 / BOUDREAUX CANAL BRIDGE REPLACEMENT: Terrebonne Parish, LA. Drilling Supervisor. The project consisted of replacement of the existing LA 56: Boudreaux Canal Bridge with a new bridge just west of the center line of the existing bridge. Mr. Floyd oversaw the field investigation program consisting of 8 deep soil borings and 4 CPT soundings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring. Mr. Floyd oversaw the completion of one of the soil borings that was performed on a barge.					
07/21 – 01/22	SP NO. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Drilling Crew Chief. Mr. Floyd helped manage and oversee all aspects of an extensive field investigations program which included 37 deep soil borings and 39 CPT soundings in accordance with LADOTD guidelines. Most of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass.					
04/21 – Ongoing	SP NOs. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIA-TIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Drilling Crew Chief. This project consists of the replacement of mul-tiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks. Mr. Floyd oversaw all aspects of this project pertaining to coordination of fieldwork including 31 deep soil borings. Some of these borings were performed through the middle of bridges and at hard access locations.					
03/19 – 07/20	SP NO. H.004100.5-2 / I-10 WIDENING (LA 415 TO HOWARD ST): East Baton Rouge Parish, LA. Drilling Crew Chief. Mr. Floyd helped oversee the field in-vestigation included 58 deep borings and 11 cone penetrometer (CPT) soundings in accordance with LADOTD guidelines, and electrical resistivity imaging along the entire alignment for the widening of I-10 project. He performed site reconnaissance at each location and coordinated the access along with traffic control.					



10/18 – 06/21	SP NO. H.000263.5-1 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Drilling Crew Chief. Mr. Floyd helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings in accordance with LADOTD guidelines, including borings over 200 feet in over 80 feet deep of high flow water.
07/15 – Ongoing	SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA. Drilling Supervisor. The project consists of construction of 5 miles of freeway consisting of a 3.5-mile elevated structure from I-10 to the Airport in Lafayette, LA. Mr. Floyd managed and oversaw the completion of the Phase 2 Kaliste-Saloom Interchange field investigation program which included 26 deep soil borings and 10 CPT soundings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.
10/09 – Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Drilling Supervisor. Mr. Floyd has performed and supervised all aspects of field operations associated with this multi-million-dollar, high technical needs project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. Ardaman managed a comprehensive laboratory testing program and refined a geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. To allow for this advanced testing program, it was imperative to obtain high quality undisturbed soil samples in difficult drilling conditions. Mr. Floyd was instrumental in completing these tasks as well as installing all types of instrumentation to maintain a highly extensive automated monitoring program at the site including vibrating wire piezometers, SAA inclinometers and traditional inclinometers.
Career History	Mr. Floyd has over 30 years of experience drilling in the Louisiana Gulf Coast Region including performing soil borings (on land and over water), CPT soundings, monitor well installation and abandonment, and installation of geotechnical monitoring instrumentation. Mr. Floyd has planned and supervised many LADOTD geotechnical investigation projects. He has arranged right of entry, utility locations, site clearing, arranging for police assistance (if needed) and traffic control/crew safety, and coordinating between engineering staff and drill crew. He has also successfully completed a multitude of LADOTD projects consisting of shallow borings and deep soil borings to depths of approximately 300 feet.



12. STAFF EXPERIENCE



Firm employed by The Lakvold Group LLC

Name	Angela Lemoine-Lakvold			Years of relevant experience with this employer	26
Title	Owner/Appraiser			Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization				BS / 1985 / Business and Public Administration; MBA / 1999	
Active registration number / state / expiration date				Louisiana State Certified General Appraiser #G0575; December 31, 2027	
Year registered	1992	Discipline	General Real Estate Appraiser		
Contract role(s) / brief description of responsibilities				Real Estate Appraiser – Conceptual Stage Relocation Plan	
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).					
SPN H.003931, I-10 Calcasieu River Bridge Public Private Partnership (P3) Project, LADOTD, Calcasieu Parish, LA: Completed the Conceptual Stage Relocation Plan for the project as part of the Environmental Assessment. Currently work-ing on the appraisals for the acquisition of the required right-of-way for this design-build project.					
SPN H.004100, I-10: LA 415 to Essen on I-10 and I-12; Phase I: West Washington Street to Essen Lane, East Baton Rouge Parish, LA: Completed ap-praisals for the design-build for the expansion of Interstate 10 within the City of Baton Rouge.					
SPN H.005168, New Orleans Gateway Program, Jefferson Rial Crossing Relocation, Jefferson Parish, LA: Completed Conceptual Stage Relocation Plan for the project.					
SPN H.014318, Gurney Road Bridges Over Drainage Canal, East Baton Rouge Parish, LA: Completed appraisals for the replacement of two existing bridges.					
SPN H.001779, Jimmie Davis Bridge (LA 511) (HBI), Caddo Parish and Bossier Parish, LA: Completed appraisals for the replacement of the Jimmie Davis Bridge.					
SPN H.014416, LA 3125 @ LA 3274 Roundabout, St. James Parish, LA: Completed appraisal for completion of a round-about.					
CPP 12-CS-HC-0060, Jones Creek Road Extension, East Baton Rouge Parish, LA: Completed appraisals for completion of a new alignment roadway from Tiger Bend Road to Airline Highway.					
PLC Project No. 13001, Port of Lake Charles Rail Relocation at West Sallier Street in Conjunction with State Project No. 005967, Calcasieu Parish, LA: Completion of appraisal reviews for the above referenced property.					
SPN H.004791, LA 23: Belle Chasse Bridge & Tunnel (HBI), Plaquemines Parish and Jefferson Parish, LA: Comple-tion of appraisal for the design-build bridge to replace the existing bridge and tunnel.					



12. STAFF EXPERIENCE

	Firm employed by C&M Associates, Inc. of Texas				
	Name	Carlos Contreras		Years of relevant experience with this employer	21
	Title	President		Years of relevant experience with other employer(s)	10
	Degree(s) / Years / Specialization		BS / 1991 / Engineering; MBA / 1994 / Project Finance		
	Active registration number / state / expiration date		N/A		
	Year registered	N/A	Discipline	N/A	
	Contract role(s) / brief description of responsibilities		Intermediate Toll 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 years of experience specified in the applicable MPR(s).				
04/25 – Ongoing	Laredo-Nuevo Laredo International Bridge 4-5 NEPA Traffic Study - Principal in Charge for a series of traffic studies to support the NEPA process requirements for the proposed international bridge, including an operational analysis and microsimulation of main intersections and roadways that are important to the project to estimate the future impact of the project on existing facilities				
2021 – Ongoing	Georgia DOT (GDOT): I-285 and SR 400 T&R Studies – Principal in Charge for a mega project involving a network of proposed express lanes along I-285 and SR 400 in Atlanta, GA. The study also involves supporting stakeholders’ decision-making process on various project policies—including tolling strategy and other policies—by providing them with key inputs for alternative scenarios. The study also includes engagement with the financial community such as rating agencies and TIFIA loan support.				
04/24 – Ongoing	MTC: SR 37 Travel Demand Study, CA – Principal in Charge for a planning level T&R study to further advance the TIFIA credit process and support an analysis of equity and toll policy considerations for the SR 37 project. The study involves calibration of the MTC travel demand model (TDM) at the corridor level and testing scenarios that are included in the project’s financial analysis. Toll scenarios will assist in policy decision making and include objectives such as occupancy eligibility, clean air vehicle eligibility, maximum throughput, and maintaining a certain Level of Service. SR 37 is one of the North Bay’s most heavily used highways, running East-West and Solano counties.				
2020 – Ongoing	VDOT: Northern Virginia Super Regional Modeling and Investment Grade Traffic and Revenue Studies, VA – Principal in Charge for developing a regional model that includes integrated tolled facilities within the region and conducting a tolling strategy scenario analysis and a Level 3 T&R study of the Dulles Toll Road, Dulles Airport Access Highway, and Dulles Greenway (collectively, the Dulles Roadways) and segments of I-95, I-395, and I-495 on behalf of the VDOT P3 Office.				
01/24 – 09/24	Cameron County Regional Mobility Authority (CCRMA): Flor de Mayo International Bridge NEPA Process Traffic Studies – Principal in Charge for providing a 20-year T&R forecast of the proposed bridge to support the project’s NEPA review process. The analysis considered the border-crossing dynamics of the Brownsville and Matamoros area, including the characteristics of passenger and commercial vehicle users and the competitive advantages of each POE.				
01/25 – 09/25	Maryland Transportation Authority (MDTA): Chesapeake Bay Crossing Sketch-Level Traffic and Revenue Study, Anne Arundel and Queen Anne's Counties, MD – Principal in Charge for the development of sketch-level T&R forecasts to assist the MDTA with identifying and weighing project alternatives that may be further evaluated as part of a Tier 2 NEPA study currently underway.				
2022 – Ongoing	Colorado Transportation Investment Office (CTIO): I-70 Mountain Corridor Floyd Hill T&R Analysis, CO – Principal in Charge of T&R feasibility analysis and subsequent Level 3 T&R analysis considering the improvement alternatives addressed in the I-70 Mountain Corridor Record of Decision, including adding capacity for westbound I-70 from Floyd Hill to the Veterans Memorial Tunnels; a multimodal trail and frontage road between US 6 and Idaho Springs; and improvements to four interchanges. The T&R analysis aims to assist the CTIO in evaluating tolling schemes that could fill in the current funding gap for implementing the required improvements to the corridor.				



05/22 – 02/23 (Update); 06/19 – 06/20	Alameda CTC: I-580 and I-680 Express Lanes Level 2 T&R Study, CA – Principal in Charge for developing a Level 2 T&R study and 20-year forecasts of the existing I-580 Express Lanes, the existing I-680 Sunol South Sunol Express Lanes, and the proposed I-680 Sunol North Express Lanes. The analysis included dynamic as well as an intermediate time-of-day variable toll schedule depending on the facility and considered toll-free or discounted tolls for HOV2, HOV3+, and Clean Air vehicles. The study also considered toll equity scenarios for these projects due to the rising equity concerns for managed lane users, especially in the San Francisco Bay Area.
09/20 – 01/21	Berthoud Tunnel Building Authority: Berthoud Tunnel and Express Lanes Preliminary T&R Study, CO – Principal in Charge of a sketch-level T&R study to examine the preliminary feasibility of a long-proposed tunnel providing safe and fast access to the Winter Park Resort. The study reviewed the socioeconomic growth for the region including special generators and willingness to pay tolls on both the tunnel bypassing the Berthoud Pass as well as the express lanes between I-70 and the tunnel.
06/20 – 02/21	Hidalgo County RMA: 365 TOLL Investment Grade T&R Study, TX – Principal in Charge for developing a Level 3 T&R study of the proposed 365 TOLL facility to support HCRMA financing of the project. Liaised with Moody's and S&P obtaining Baa2, Baa3 and BBB-, BB+ ratings for senior and junior bonds totaling \$216 million.
10/18 – 03/19	TxDOT: I-27 Operational Improvements Study, TX – Principal in Charge for traffic projections, traffic analysis, accident analysis, predictive crash analysis, and an Interstate Access Justification Report in support of evaluating the operational improvements along the I-27 corridor in Amarillo, TX. The study includes the utilization of the MPO travel demand model results.



12. STAFF EXPERIENCE

	Firm employed by C&M Associates, Inc. of Texas				
	Name	Axel Herrmann, PE		Years of relevant experience with this employer	19
	Title	Principal Transportation Engineer		Years of relevant experience with other employer(s)	1
	Degree(s) / Years / Specialization		BS / 2002 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 155824 / TX / 12-31-26		
	Year registered	2025	Discipline	Professional Engineer	
	Contract role(s) / brief description of responsibilities		Intermediate Toll 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 years of experience specified in the applicable MPR(s).				
04/25 – Ongoing	Laredo-Nuevo Laredo International Bridge 4-5 NEPA Traffic Study - Project Manager overseeing a series of traffic studies to support the NEPA process requirements for the proposed international bridge, including an operational analysis and microsimulation of main intersections and roadways that are important to the project to estimate the future impact of the project on existing facilities.				
04/24 – Ongoing	Bay Area Metropolitan Transportation Commission (MTC): SR 37 Travel Demand Study, CA – Project Manager responsible for leading a planning-level travel demand forecasting study to advance the TIFIA credit process and support an analysis of equity and toll policy considerations for the State Road 37 (SR 37) project. Supervising the calibration of the MTC TDM at the corridor level and testing of scenarios that are included in the project’s financial analysis. Toll scenarios will assist in policy decision making and include objectives such as occupancy eligibility, clean air vehicle eligibility, maximum throughput, and maintaining a certain Level of Service.				
08/24 – 12/25	Yolo County Transportation District (YoloTD): Yolo 80 Managed Lanes Level 2 T&R Study, CA – Project Manager responsible for leading the feasibility (Level 2) T&R forecast. Supervising the complete project process, including data collection, adoption of the Sacramento Activity-Based Travel Simulation (SACSIM) travel demand model, model calibration at the I-80 corridor level, toll diversion model implementation, and T&R forecasting. Supported the project team in defining T&R assumptions and the toll policy decision framework. The T&R forecast will support the funding decisions for the I-80 Managed Lanes and the Capital Area Regional Tolling Authority.				
2023 – 2024	Windsor–Detroit Bridge Authority: Gordie Howe International Bridge Investment Grade T&R and Price Elasticity Study, Ontario, Canada – Project Manager responsible to conduct the GHIB L3 and toll elasticity study for the proposed Gordie Howe International Bridge (GHIB; the Project). This study is intended to support the WDBA in their effort to determine the toll rate of the GHIB by providing an investment grade T&R forecast.				
01/24 – 09/24	Cameron County Regional Mobility Authority (CCRMA): Flor de Mayo International Bridge NEPA Process Traffic Studies – Project Manager responsible for providing a 20-year T&R forecast of the proposed bridge to support the project’s NEPA review process. The analysis considered the border-crossing dynamics of the Brownsville and Matamoros area, including the characteristics of passenger and commercial vehicle users and the competitive advantages of each POE. Oversaw field data collection, binational travel demand modeling, cross-border choice model development, demand forecasting, T&R forecasting, and level of service (LOS) analysis.				
05/22 – 02/23 (Update); 06/19 – 06/20	Alameda CTC: I-580 and I-680 Express Lanes Level 2 T&R Study, CA – Project Manager responsible for developing a Level 2 T&R study and 20-year forecasts of the existing I-580 Express Lanes, the existing I-680 Sunol South Sunol Express Lanes, and the proposed I-680 Sunol North Express Lanes. The analysis included dynamic as well as an intermediate time-of-day variable toll schedule depending on the facility and considered toll-free or discounted tolls for HOV2, HOV3+, and Clean Air vehicles. The study also considered toll equity scenarios for these projects due to the rising equity concerns for managed lane users, especially in the San Francisco Bay Area.				



01/21 – 10/21	CTIO: I-25 North Express Lanes Segment 2–3, Level 2+ T&R Study, CO – Senior Modeling Advisor for a Level 2+ T&R study to extend and revise C&M’s prior analysis of I-25 North Segment 2 to a new analysis of Segment 2 and Segment 3. Led the modeling team, incorporated CTIO’s dynamic tolling algorithm in the modeling efforts, and provided T&R forecasts to support project financing, including a restructuring of existing debt and a TIFIA application. The study also considered the short- and long-term impacts of the COVID-19 pandemic.
06/20 – 02/21	Hidalgo County RMA (HCRMA): 365 TOLL Investment Grade T&R Study, TX – Project Manager for a Level 3 T&R study of the proposed 365 TOLL facility to support the HCRMA in financing the project by providing an investment grade T&R forecast and support with rating agencies. The 365 TOLL project letting date for the construction was in early spring 2022.
12/20 – 07/21	B&M Bridge Company: Brownsville and Matamoros International Bridge Feasibility Study, TX – Project Manager responsible for developing a binational travel demand model to forecast border crossing demand and support the B&M International Bridge in its aim to accommodate expected additional crossing volumes within the footprint of the existing facility by utilizing the existing POE components and optimizing border crossings waiting times. The study includes all existing border crossing types (passenger vehicles, pedestrians, and bicycles).
07/20 – 07/21	City of Laredo: Laredo International Bridge System Border Master Plan, TX – Project Manager of the traffic team aiding in the development of the City of Laredo’s Border Master Plan, which will aid in planning the work required to streamline the four existing bridges with possible expansions, conversions, and/or upgrades to maximize crossings, with the ultimate goal of reducing wait times. Responsibilities include supporting the City of Laredo to optimize each bridge, propose upgrades/conversions/ expansions and evaluate traffic diversion between bridges to improve the Laredo International Bridge System.
2019	TxDOT: SH 288 Express Lanes T&R Support, TX – Project Manager responsible for supporting TxDOT in their T&R scenario analysis to evaluate change orders to the SH 288 corridor and producing a T&R forecast to support TxDOT in their analysis and comparison of toll revenue and traffic on SH 288 before and after project implementation.



12. STAFF EXPERIENCE

	Firm employed by C&M Associates, Inc. of Texas					
	Name		Jonathan Pagan		Years of relevant experience with this employer	5
	Title		President		Years of relevant experience with other employer(s)	30
	Degree(s) / Years / Specialization			BA / 1997 / Transport Economics		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Intermediate Toll Analysis Senior Advisor; QA/QC		
	Experience dates (mm/yy–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).			
2023-2024		Investment Grade Traffic and Revenue and Price Elasticity Study for the Gordie Howie International Bridge – Lead for the toll elasticity task responsible for assisting the WDBA with an assessment of price elasticities to inform its toll rate setting.				
2022 – Ongoing		I-70 Floyd Hill Investment Grade T&R Study, CO – Project Manager for prime consultant, leading a team providing investment grade T&R and financial analysis, including support with rating agencies and TIFIA, in the consideration of westbound tolled peak period shoulder lanes in the Mountain Corridor.				
2021 – Ongoing		GDOT I-285 and SR 400 T&R Studies. GA – Senior Advisor providing input and reviews of T&R assumptions, tolling policies, tolling plans, operations, and providing general support to GDOT and the prime consultant.				
01/22 – 11/22		I-10 Lake Charles P3, LA (2022) – Lead T&R advisor for a shortlisted bid team for the Calcasieu River Bridge replacement in Louisiana. Project Manager for sketch level through to investment grade study, including a review of HOV policies, local discounts and frequency discounts using data, modeling, and analysis to support bid decisions.				
02/22 – 12/22		I-25 North Express Lanes Segment 2–8, Level 2+ T&R Study, CO – Project Manager for a Level 2+ T&R study to be used in the potential financing for a 50+ mile managed lanes project of existing and proposed segments. Critical review of alternative proposal/delivery options.				
11/22 – 10/23; 06/20 – 04/22		I-70 Floyd Hill Funding Gap Study, CO – Project Manager for prime consultant, leading a team providing T&R, public outreach, and financial analysis in the consideration of westbound tolled peak period shoulder lanes in the Mountain Corridor. Devised new approaches and methodologies for this managed lane project in a recreational demand corridor setting.				
06/20 – 02/21		365 TOLL Investment Grade T&R Study, TX – Senior Advisor for a Level 3 T&R study of the proposed 365 TOLL facility to support the HCRMA in financing the project by providing an investment grade T&R forecast and support with rating agencies. The 365 TOLL project letting date for the construction was in early spring 2022.				
09/20 – 01/21		Berthoud Tunnel and Express Lanes, Preliminary T&R Study, CO – Led a sketch-level T&R study to examine the feasibility of a long-proposed tunnel providing safe and fast access to the Winter Park Resort. Managed a team that reviewed the socioeconomic growth for the region including special generators and willingness to pay tolls on both the tunnel bypassing the Berthoud Pass as well as the express lanes between I-70 and the tunnel.				
2018 – 2019		I-10 Mobile River Bridge & Bayway T&R Study, AL – Project Director for a private consortium developing a bid for this project between Baldwin and Mobile Counties. Responsible for a team developing a forecasting model, including introduction of tolling to the corridor, for this major Interstate upgrade project. ALDOT ceased project development in August 2019.				
2016 – 2018		Illinois DOT I-55 Managed Lanes T&R Study, Chicago, IL – Served as Project Manager of traffic and revenue forecasting for the potential addition of managed lanes to I-55 outside Chicago. Part of an EY team advising IDOT considering the best approach for developing the project. Network model development, preliminary and updated T&R forecasts. Presentations and discussions with the Illinois Secretary of Transportation. Project closed following election cycle.				

12. STAFF EXPERIENCE

	Firm employed by The Hawthorne Agency, Inc.				
	Name	Geneva W. Coleman		Years of relevant experience with this employer	35
	Title	President		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization		BS / 1982 / Mass Communications; Associates / 1975 / Business Administration		
	Active registration number / state / expiration date		N/A		
	Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Public Outreach Principal / Public Outreach Services			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/19 - Ongoing	New Orleans Rail Gateway Program - Jefferson Highway Rail Relocation Project, Orleans and Jefferson Parishes, LA (State Project No. H.005168) – Mrs. Coleman is currently overseeing public involvement and outreach efforts for the Jefferson Highway Rail Crossing Relocation project, part of a broader initiative to improve rail traffic flow and environmental quality. She provides high-level advisory guidance, shaping key outreach activities including project information dissemination and public meeting facilitation to ensure effective engagement and support a successful environmental review process.				
09/01 - Ongoing	Southeast Louisiana Urban Flood Control Program, Orleans Parish, LA - Mrs. Coleman directs public involvement and outreach for this multi-parish drainage improvement program, providing strategic guidance to the project team, ensuring coordinated communication with stakeholders, and supporting consistent, effective community engagement across all program initiatives.				
03/23 – 07/23	Active Transportation Improvements – New Orleans East I-10 Service Roads Land Use and Transportation Corridor Analysis Stage “0” Feasibility Study, Orleans Parish, LA (State Project No. H.972462.12 / RPC Task No. A-1.23) – Mrs. Coleman served as the managing outreach consultant for this feasibility study, which introduced concepts for shared-use biking and walking facilities to the New Orleans East community. She played a key role in guiding the consultant team to accurately identify and coordinate with elected officials and community leaders, while overseeing public involvement and outreach planning and implementation in compliance with RPC’s Title VI Program.				
01/17 – 09/18	“Safe Streets for Everyone” – A Transportation Safety Campaign, Orleans Parish, LA (State Project No. H.0124161/RPC) – Mrs. Coleman served as public involvement and outreach manager for this campaign to educate the public, including at-risk populations, about safe travel practices and laws governing motoring, cycling, and pedestrian safety. Her primary role consisted of managing marketing/media tasks including the development and production of messaging for television, radio, billboard, and social media use.				
10/18 – 06/19	General Meyer Avenue Complete Streets Study, Orleans Parish, LA (RPC Task A-2.19GM; FY-19UPWP / SPN H.972314.1) – As community outreach and engagement manager for this study, Mrs. Coleman directed the consultant team in planning and executing strategic public outreach methodologies that served to equitably educate stakeholders of varying demographics about the program, including ongoing coordination with the Project Management Committee, elected officials, residents, business owners, organization leaders, and other stakeholders. For many stakeholders, this program was their first encounter with the complete streets concept, which was crafted to be both educational and enjoyable through use of interactive outreach tools.				
Career History	Geneva W. Coleman, founder and president of The Hawthorne Agency, Inc., brings a wealth of experience and insight to communications initiatives, allowing her to quickly identify the strategies that fit best. With three decades plus of expertise as a public relations and communications consultant, Mrs. Coleman specializes in strategic communications planning for community outreach and engagement initiatives. She has worked with numerous local and state agencies including the City of New Orleans, Sewerage and Water Board of New Orleans, the Regional Planning Commission, and the Louisiana Department of Transportation and Development providing communications services for major environmental studies and infrastructure projects. Prior to becoming an entrepreneur, Mrs. Coleman was the host and producer of Spectrum 50, a half-hour, weekly, public affairs program on WDSU-TV, the NBC affiliate station in New Orleans.				



12. STAFF EXPERIENCE

	Firm employed by The Hawthorne Agency, Inc.				
	Name	Karimah Stewart		Years of relevant experience with this employer	23
	Title	Public Relations Manager		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization		Public Outreach Manager / Public Outreach Services		
	Active registration number / state / expiration date		BA / 2001 / Mass Communications		
	Year registered	N/A	Discipline	N/A	
	Contract role(s) / brief description of responsibilities		Public Outreach		
Experience dates (mm/yy–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).				
10/19 - Ongoing	New Orleans Rail Gateway Program - Jefferson Highway Rail Relocation Project, Orleans and Jefferson Parishes, LA (State Project No. H.005168) – Ms. Stewart manages public involvement and outreach services for the Jefferson Highway Rail Crossing Relocation project. She oversees stakeholder engagement, coordinates the preparation and distribution of outreach materials, and plans public meetings and other outreach activities, ensuring clear communication and effective community participation throughout the environmental review process.				
09/01 - Ongoing	Southeast Louisiana Urban Flood Control Program, Orleans Parish, LA – Ms. Stewart coordinates public involvement and outreach activities for this large-scale drainage improvement program. Her principal tasks consist of identifying stakeholders, overseeing the design/placement/dissemination of outreach materials, organizing community meetings, as well as managing the program’s telephone information line and claims intake process.				
03/23 – 07/23	Active Transportation Improvements – New Orleans East I-10 Service Roads Land Use and Transportation Corridor Analysis Stage “0” Feasibility Study, Orleans Parish, LA (State Project No. H.972462.12 / RPC Task No. A-1.23) – Tasked with public involvement and outreach coordination, Ms. Stewart assisted the team with creating key messages and interactive project materials, organizing elected officials briefings and community meetings, and executing targeted strategies to publicize opportunities for participation with this inventive bike/ped study.				
10/18 – 06/19	General Meyer Avenue Complete Streets Study, Orleans Parish, LA (RPC Task A-2.19GM; FY-19UPWP / SPN H.972314.1) - As community outreach and engagement supervisor for this study, Ms. Stewart coordinated outreach tasks such as arranging open house public meetings and Project Management Committee meetings as well as ensuring the proficient documentation of these events. She also managed the operation of the project’s telephone information line.				
01/17 – 09/18	“Safe Streets for Everyone” – A Transportation Safety Campaign, Orleans Parish, LA (State Project No. H.0124161/RPC) – Ms. Stewart served as public involvement and outreach supervisor for this campaign to educate the public, including at risk populations, about safe travel practices and laws governing motoring, cycling, and pedestrian safety. She was involved in task management for all marketing/media efforts including the development and production of messaging for television, radio, billboard, and social media use.				
08/17 – 08/18	Project Development Services for Rampart/St. Claude Streetcar Extensions, Orleans Parish, LA (RTA RFQ #2017-001) – Ms. Stewart’s role during this project’s environmental review process was to coordinate methods for informing and engaging diverse stakeholders inclusive of providing a wide range of ongoing communications channels and mediums. Her primary tasks consisted of public and stakeholder involvement plan development, stakeholder identification, mailing list creation/maintenance, conducting public meeting logistics, facilitating media relations, and producing summary reports to document outreach efforts.				
Career History	Karimah Stewart has served as Public Relations Manager at The Hawthorne Agency, Inc. since 2001, developing and executing engagement programs using innovative strategies. She coordinates all aspects of the agency’s outreach efforts including public meetings, hearings, special events, and media relations while acting as a liaison between project managers and the public. Through a handson approach, she communicates directly with target audiences, proactively identifies potential issues, crafts clear messaging for diverse stakeholders, and ensures outreach activities are successfully implemented to maximize equitable dissemination of information and meaningful public participation for all projects.				



12. STAFF EXPERIENCE

	Firm employed by The Hawthorne Agency, Inc.					
	Name		Steven Pierre		Years of relevant experience with this employer	25
	Title		Graphic Design Manager		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization			BA / 1996 / Communications		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Graphics and Outreach Support Specialist / Public Outreach Services		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
10/19 – Ongoing	New Orleans Rail Gateway Program, Orleans and Jefferson Parishes, LA (State Project No. H.005168 / Legacy State Project No. 700-92-0021) – In a graphics and outreach support role, Mr. Pierre contributes to the Jefferson Highway Rail Crossing Relocation project by identifying and engaging critical stakeholders, ensuring outreach efforts reach the right audiences. He develops detailed outreach maps of target areas to guide information dissemination and designs compelling visual materials, including the project logo, newsletters, and meeting invites, to effectively communicate project updates and initiatives. His work supports the team’s broader goal of fostering informed, engaged communities and enhancing the visibility and clarity of the project’s public outreach efforts.					
09/01 - Ongoing	Southeast Louisiana Urban Flood Control Program / New Orleans, LA - Mr. Pierre serves as both graphic designer and website developer for this program to construct new pumping stations and increase capacity of drainage canals in Orleans parish. He conducts electronic field assessment research and mapping, designs public outreach materials, and developed the SELA Orleans website, which he regularly updates and maintains.					
01/17 – 09/18	“Safe Streets for Everyone” – A Transportation Safety Campaign, Orleans Parish, LA (State Project No. H.0124161/RPC) – Mr. Pierre was tasked with graphic design for the creation of various campaign materials to educate the public, including at risk populations, about safe travel practices and laws governing motoring, cycling, and pedestrian safety. He was responsible for production of high-quality graphic materials for television, radio, billboard, and social media formats.					
04/12 – 05/16	Paths to Progress (South Louisiana Submerged Roads Program) (Purchase Order No. 2-6149/Federal Aid Project No. ER-ERPI (029)) / Orleans and Jefferson Parishes, LA - As a graphic designer for Paths to Progress, a multi-parish transportation improvement program, Mr. Pierre produced the graphics protocol used for program correspondence including brochures, meeting mailers and other informational materials. In addition to his graphic design role on this project, Mr. Pierre conducted electronic research of the project areas, created detailed maps, administered field assessment guidelines, and performed database maintenance.					
Career History	Mr. Pierre has 25 years of experience leading creative strategy and visual communications initiatives. He oversees the execution of innovative design concepts, including the development of informational materials, website design and maintenance, and outreach support assets. As lead creative strategist, he has successfully branded multiple infrastructure and transportation improvement projects, delivering cohesive visual identities that resonate with diverse audiences. His expertise includes logo design, comprehensive style guide development, customized web applications, project-specific websites, and compelling outreach collateral. Mr. Pierre’s deep understanding of visual engagement across diverse communities ensures each initiative is strategically positioned for maximum impact and public connection.					



Section 17

ST. BERNARD LIT CORRIDOR ROUTE: NEW ROADWAY

Contract No 4400035009

State Project No. H.015428.2

Federal Aid Project No. H015428

West Middle Pearl River

17. FIRM EXPERIENCE

Firm Name	Neel-Schaffer, Inc.		Discipline(s)*	Bridge, Traffic
Project name	MRB South GBR: LA 1 to LA 30 Connector		Firm responsibility (prime or sub?)	Sub
Project number	H.013284		Owner's name	LADOTD
Project location	Baton Rouge, LA Metro Area		Owner's Project Manager	Mathilda Rilovich, PE
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; 225-379-1380; Mathilda.Rilovich@la.gov			
Services commenced by this firm (mm/yy)	07/20	Total consultant contract cost (\$1,000's)	\$868	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$868	

This project involves the development of a new Mississippi River bridge between LA 1 on the West Bank and LA 30 on the East Bank, along with new interchanges at each terminus. The project vision is to enhance redundancy in the Greater Baton Rouge Area's cross-river transportation network and to locate the new facility where it will maximize daily usage. The project is being advanced using a process similar to the one proposed for the Lafayette Regional Expressway (LRX), Phase 1 – Enhanced Planning Study and Phase 2 – NEPA Process.

Our proposed Project Manager and Deputy Project Manager for the LRX Tier II EIS—Kara Moree and Maria Reid—previously managed this project while working for another consulting firm prior to joining Neel-Schaffer.

Neel-Schaffer developed a calibrated and validated regional mesoscopic model using Dynameq, covering the study area along the west bank of the Mississippi River between I-10 and LA 70. The mesoscopic model was chosen to more accurately evaluate traffic and mobility impacts within an already severely congested regional network. The model network incorporated detailed roadway and intersection geometry, traffic control features, and signal timing plans. Dynamic Traffic Assignment (DTA) was employed to simulate individual vehicle behavior—including car-following, lane-changing, and gap-acceptance—resulting in realistic traffic operations. Importantly, this methodology allows traffic to reroute at defined time steps based on real-time congestion conditions, a capability that traditional macroscopic models cannot provide.

Mesoscopic models were developed for the 2019 Base scenario, the 2042 No Build scenario, and 20 initial bridge route alternatives.

Project Relevance: Challenges

The initial bridge screening process required evaluating 20 potential bridge route alternatives, with only three ultimately needing to advance to the NEPA phase.

Solutions

Neel-Schaffer developed mesoscopic models for all 20 initial bridge alternatives. Travel time results were compared across alternatives, and these comparisons played a key role in selecting the three alternatives carried forward into the NEPA phase.

Neel-Schaffer is currently conducting a detailed traffic study for the NEPA phase.

Firm Members: Vijay Kunada; Nick Ferlito, Kara Moree, Maria Reid, Charles Leboeuf, David Winstead, Santosh Andem



17. FIRM EXPERIENCE

Firm Name	Neel-Schaffer, Inc.		Discipline(s)*	Bridge, Environmental
Project name	Roy Cumbest Bridge Replacement		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	MDOT
Project location	Vancleave and Wade, Mississippi		Owner's Project Manager	Jay O'Neal
Owner's address, phone, email	401 N West St, Jackson, MS 39201; 228-826-2547; Joe_ONeal@co.jackson.ms.us			
Services commenced by this firm (mm/yy)	02/19	Total consultant contract cost (\$1,000's)	\$2,500	
Services completed by this firm (mm/yy)	02/23	Cost of consultant services provided by this firm (\$1,000's)	\$2,200	

The Roy G. Cumbest Bridge allow motorists to travel directly from Vancleave to Wade in southeastern Mississippi. The bridge was over 60 years old and in desperate need of replacement.

The bridge crosses the Pascagoula River and is one of the longest bridges of its kind, making it an architecturally significant structure. Furthermore, the Pascagoula River is home to several threatened and endangered species, making the bridge replacement project a challenge for design engineers and contractors. Neel-Schaffer was hired to prepare the NEPA review, design the new bridge, and aid in demolition design to avoid and minimize impacts to the environmentally sensitive resources the bridge encompasses.

Firm's Responsibilities:

- Survey (provided by Batson and Brown)
- Geotechnical engineering
- MDOT NEPA review
- Coordination with state and federal resource agencies (USACE, USDA, USEPA, USFWS, MDAH, MDEQ, MDMR, MDOT, and MDWFP)
- Preparation of USACE Section 10, 401, and 404
- Management of Biological Resources – management of existing features, alternatives analysis, and design for avoidance
- Design and preparation of construction documents for proposed improvements

Neel-Schaffer served as a Subconsultant to Batson and Brown for the Parker's Lake Bridge which is now complete. Final inspection was completed in February of 2023

Firm Members: Buddy Covington, Haley Streuding, Monica Patel



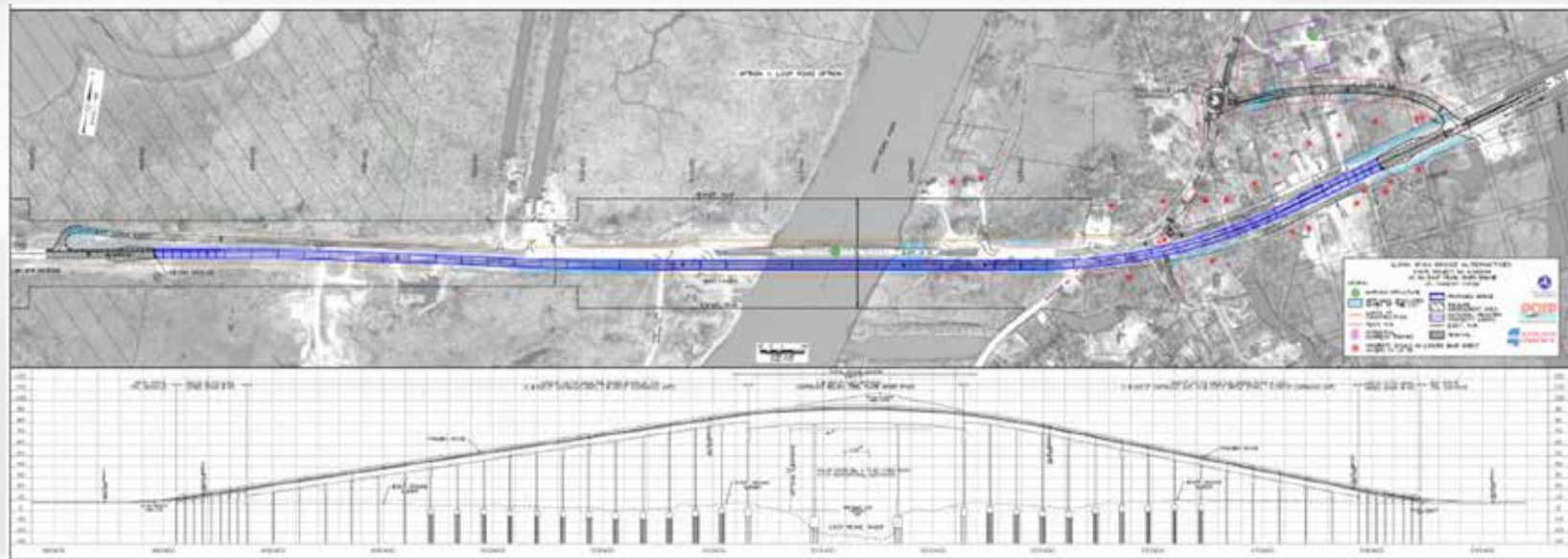
17. FIRM EXPERIENCE

Firm Name	Neel-Schaffer, Inc.		Discipline(s)*	Bridge, Environmental
Project name	US 90 Pearl River Bridges (HBI)		Firm responsibility (prime or sub?)	Prime
Project number	H.000284		Owner's name	LADOTD
Project location	St. Tammany Parish, LA and Hancock County, MS		Owner's Project Manager	Catherine Mastin
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA; 225.379.1652; catherine.mastin@la.gov			
Services commenced by this firm (mm/yy)	08/15	Total consultant contract cost (\$1,000's)	\$884	
Services completed by this firm (mm/yy)	08/25	Cost of consultant services provided by this firm (\$1,000's)	\$658	

Neel-Schaffer provided the engineering design services (bridge and roadway) and environmental services for this project which considered the rehabilitation or replacement of five US 90 bridge crossings of the Pearl River system and five miles of roadway design. Both fixed and movable span crossings were considered, and All bridges were developed using AASHTO LRFD design requirements. Roadway and roundabouts were designed in conformance with DOTD requirements.

Environmental services included documentation of the project Purpose and Need; preparation of navigation studies establishing US Coast Guard clearances for all five structures; consultations with state and federal resource agencies regarding multiple T&E species potentially impacted and designated critical habitat for Gulf Sturgeon; wetlands finding associated with alternatives; Cultural Resource Study and Section 106 consultations regarding three of the five spans designated as historic structures; noise studies; Phase 1 ASTM Study; Conceptual Stage Relocation Plan; Alternatives Analysis; Draft Environmental Assessment (EA) for review.

Firm Members: Barry Brupbacher, Dishili Curry, Mai Nguyen, Chance Shuckrow, Charles LeBeouf, Vijay Kunada



17. FIRM EXPERIENCE

Firm Name	Neel-Schaffer, Inc.		Discipline(s)*	Environmental
Project name	Environmental Assessment and Design Interconnecting Gulfport BUILD Grant Project		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	City of Gulfport
Project location	Gulfport, MS		Owner's Project Manager	Wayne Miller, PE
Owner's address, phone, email	4050 Hewes Avenue, Gulfport, MS 39507; 228.868.5740; wmillier@gulfport-ms.gov			
Services commenced by this firm (mm/yy)	09/20	Total consultant contract cost (\$1,000's)	\$271	
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm (\$1,000's)	\$271	

Neel-Schaffer was selected to provide an environmental document and design services on an accelerated schedule to meet grant deadlines. The project will provide an infrastructure solution to mitigate a growing congestion issue and to interconnect established residential and commercial centers within the City of Gulfport.

In 2022, Neel-Schaffer completed all environmental studies required for and Environmental Assessment and Finding of No Significant Impact. Numerous stakeholder and community meetings were conducted in addition to the initial public meeting and final Public Hearing. Community plans and input was evaluated and incorporated into the project where appropriate. A stormwater mitigation plan was developed to reduce the impacts of runoff for the project and for future development.

The project design consists of three roadway segments that provide critical links in the transportation network and a stormwater mitigation system. The first segment of the proposed improvements will consist of extending Daniel Boulevard from its current termini within Anchor Plaza to the existing Canal Road/Interstate 10 Service Road. The second segment is a new roadway beginning at a roundabout located on the segment 1, Daniel Boulevard extension, and heading south to the intersection of Arkansas Ave and Poole Street with an overpass of Interstate 10 and two grade crossings of KCS rail lines. The final segment of the project will connect Factory Shop Boulevard (Creosote Rd) to the new segment 2 roadway at a second roundabout. All segments use a "complete-street" concept with a shared pedestrian / bicycle multi-use path and a raised median with lighting and intermittent turn lanes. The stormwater mitigation system including a 60-acre retention pond that can also be used as a community recreational area.

Firm Members: Buddy Covington, Monica Patel, Haley Streuding, Lisa Morrison



17. FIRM EXPERIENCE

Firm Name	Neel-Schaffer, Inc.		Past Performance Evaluation Disciplines(s)*	Traffic, Road, Planning
Project name	Traffic Signal Design and Traffic Engineering Retainer Contracts		Firm responsibility (prime or sub?)	Prime
Project number	44-25299		Owner's name	LADOTD
Project location	Baton Rouge, LA		Owner's Project Manager	Ryan Hoyt, PE, PTOE
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1370; ryan.hoyt@la.gov			
Services commenced by this firm (mm/yy)	01/09	Total consultant contract cost (\$1,000's)	\$5,000	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$3,500	

NSI was selected by the Louisiana Department of Transportation and Development, through its consultant selection process, for the following traffic engineering retainer contracts.

- Contract No. 4400025299 – IDIQ Contract for Traffic Engineering (2023 – 2028), \$5.0M

Under this retainer contract, traffic counting (data collection), warrant analysis, safety analysis, traffic analysis and modeling using HCS/Synchro/Vissim, intersection/corridor analysis, traffic signal design, and traffic signal inventories (TSI) were performed on a task order basis. Specific projects completed under this task orders are as follows.

Contract 44-25299

District 02 FYA, Part 2 (Houma, LA)

LA 47 (Haynes Blvd.) Safety Study (New Orleans, LA)

I-49 at LA 3233 Roundabout Study (Carencro, LA)

US 190 (Florida Boulevard) Mobility Study (Baton Rouge, LA) (currently in scoping phase)

US 61 Mobility Study (LaPlace, LA) (currently in scoping phase)

Since 2009, NSI has also been selected by the Louisiana Department of Transportation and Development, through its consultant selection process, for the following traffic signal design and traffic engineering retainer contracts

- Contract No. 4400000651 – Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2009-2013), \$2.25M
- Contract No. 4400002630 – Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2012-2015), \$2.0M
- Contract No. 4400004064 – Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2014-2017), \$3.0M

Specific projects completed under these contracts are shown at the right.



Contract 44-0651

LA 24 Signal Upgrade Plans (Houma, LA)

US 165 Corridor Study using Vissim (Pineville, LA)

US 71/LA 28 Signal / Timing Design (Alexandria, LA)

US 190 Superstreet Corridor Study (Covington, LA)

LA 447 Corridor Study (Walker, LA)

LA 1208-3 Signal Timing Study (Alexandria, LA)

Contract 44-2630

LA 22 Corridor Study (Mandeville, LA)

US 71/LA 28 Signal Timing Study (Alexandria, LA)

LA 1208-3 Corridor Study (Alexandria, LA)

LA 22 Corridor Study (Ponchatoula, LA)

US 425/US 84 Corridor Study (Ferriday/Vidalia, LA)

Contract 44-4064

LA 22 Corridor Study (Mandeville, LA)

US 71/LA 28 Signal Timing Study (Alexandria, LA)

LA 1208-3 Corridor Study (Alexandria, LA)

LA 22 Corridor Study (Ponchatoula, LA)

US 425/US 84 Corridor Study (Ferriday/Vidalia, LA)

Firm members: Nick Ferlito, Ellen Howard, Jonathan Duhe, Katie Odenthal

17. FIRM EXPERIENCE

Firm Name	T. Baker Smith, LLC		Discipline(s)*	Other (Subsurface Utility Engineering)
Project name	LADOTD-IDIQ SUE Services Statewide Louisiana		Firm responsibility (prime or sub?)	Prime
Project number	4400014661		Owner's name	LADOTD
Project location	Statewide Louisiana		Owner's Project Manager	Steve LeBlanc, PLS
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802, 225.379.1956, steve.leblanc2@la.gov			
Services commenced by this firm (mm/yy)	06/21	Total consultant contract cost (\$1,000's)	\$2,332	
Services completed by this firm (mm/yy)	10/23	Cost of consultant services provided by this firm (\$1,000's)	\$2,332	

TBS was awarded a statewide SUE retainer contract to provide services for LADOTD projects statewide. Multiple task orders for SUE work was issued and below is a partial list of Task Orders:

Calcasieu River Bridge. 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 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 was set to accomplish the goals posed by LADOTD.

LA 549 Overpass at I-20. Located in Ouachita Parish, Louisiana, near the intersection of I-20 and Texas Avenue (LA 549), TBS provided Quality Level B services along a linear distance of approximately 4,055 feet. While most utilities proved locatable, the existing water lines were difficult to designate. TBS used a combination of probing and records review to determine the location of the water mains within the project limits.

Southern University Ravine Protection. Located in East Baton Rouge Parish, Louisiana, within the campus of Southern University, TBS performed Quality Level B and C services throughout the survey limits for an emergency ravine protection project. University campuses are a notoriously difficult environment to locate underground utilities and Southern's campus proved this theory correct. There were no record drawings available of the Southern university private facilities which all of the utilities present belonged to the university. TBS had to rely heavily on sweeps and diligently search for above ground features to connect to. Part of the scope was to provide Quality Level C services within certain limits. However, there were no records available, which limited the ability to provide QL-C services for certain areas.

Firm Members: TJ Stokes, PE; Perry Smith, Jr.; Kaleb Brooks; Jill Firmin



17. FIRM EXPERIENCE

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	LADOTD
Project location	Statewide, LA		Owner's Project Manager	Jonathan Herrod, PLS
Owner's address, phone, email	1201 Capitol Access Rd., 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 which were completed under expedited timelines.

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', extending 70' 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.

S.P. Nos. H.016322, H.016323, H.016324, H.016326, H.016333 – Multiple Bridge Replacements, Districts 03, 61 & 62. TBS performed topographic surveys for the design and replacement of six (6) rural route bridges across southern Louisiana. Schedule was 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 existing ROW to Existing ROW.

Firm Members: Jean Reulet, III, PLS; Rene Hebert, PLS, PMP; Jeremy Cormier, PLS; Kenny Belou, PE; Anthony Burns; Danielle Fontenelle, PE



17. FIRM EXPERIENCE

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	LADOTD
Project location	St. Tammany Parish, LA		Owner's Project Manager	Joseph Brown, PE
Owner's address, phone, email	1201 Capitol Access Rd., 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 involved asymmetrical urban roadway widening and the design of a new 1,400' 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 Rd.) 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 & US 190 BUS roundabouts onto US 190 westbound.

The Phase 1 bridge over the Bogue Falaya River is being designed with a clear width of 54' (3-12' lanes, 8' and 10' shoulders) and a total length of 1,400 feet. The bridge utilizes LA-36 and LG-54 girders on column bents and incorporates all current requirements for deck link slabs (floating spans). The bridge includes both horizontal and vertical curvature and is super-elevated near 4%. TBS served 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 through 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 were designed throughout the project including directional U-turns in the median. Roadway widening design included varying width roadway sections, varying height PGL's 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.

Firm Members: Kenny Belou, PE; Daniel Binet, PE; Daniel Fontenelle, PE



17. FIRM EXPERIENCE

Firm Name	Jacobs Engineering Group Inc.		Discipline(s)*	Environmental
Project name	Mobility 35 (I-35E)		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	TxDOT
Project location	Dallas County / Denton County, Texas		Owner's Project Manager	TxDOT Dallas District
Owner's address, phone, email	4777 East Highway 80, Mesquite, TX 75150; 214.320.6100			
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost (\$1,000's)	66,000	
Services completed by this firm (mm/yy)	12/24	Cost of consultant services provided by this firm (\$1,000's)	30,000	

Jacobs served as General Engineering Consultant (GEC) for the Mobility35 Program for the Texas Department of Transportation (TxDOT) Austin District, a regionwide initiative to improve mobility and safety along approximately 79 miles of I-35 across Williamson, Travis, and Hays Counties. The program includes multiple projects advancing through planning, environmental clearance, design, and construction, supporting a long-term corridor vision with an estimated construction value exceeding \$6 billion.

As part of this multi-contract program, Jacobs provided program-level environmental leadership and technical support, including oversight of NEPA documentation, agency coordination, and environmental compliance across numerous corridor projects. Jacobs worked closely with TxDOT and multidisciplinary teams to define project scopes, establish environmental strategies, and ensure a consistent and efficient approach to project delivery.

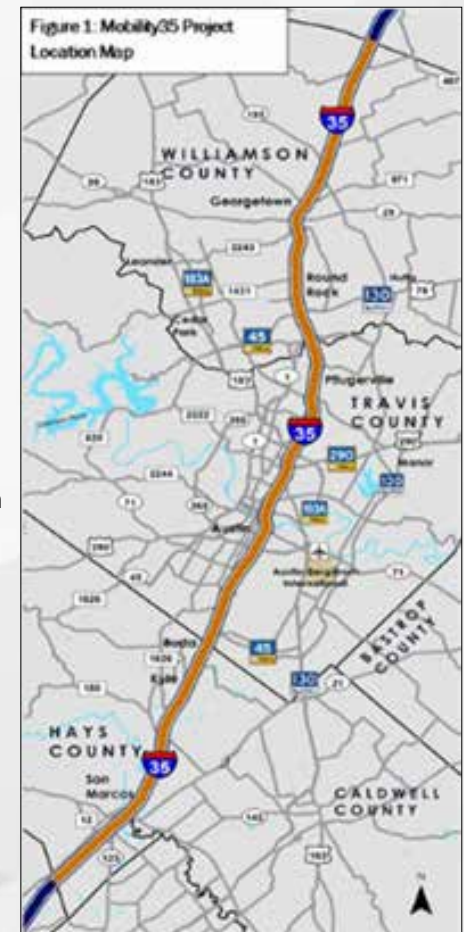
Within this program, Jacobs performed project-level air quality analysis and environmental documentation support for corridor projects advancing through schematic and environmental phases, including the Mobility 35 (I-35E) corridor in the Dallas–Fort Worth region. Services were performed in support of Environmental Assessment (EA) documentation in accordance with NEPA and TxDOT Environmental Affairs Division guidance.

Jacobs conducted air quality screening and transportation conformity applicability reviews in compliance with 40 CFR Part 93, including determination of project classification (exempt or presumed-to-conform) under the Clean Air Act. The team coordinated with TxDOT and regional stakeholders to confirm conformity status, planning assumptions, and consistency with regional transportation plans and traffic data.

Air quality efforts included preparation of technical documentation for inclusion in NEPA documents, as well as responses to agency and internal review comments through final environmental approval. Screening analyses demonstrated that projects met criteria for exempt or presumed-to-conform actions, avoiding the need for detailed dispersion modeling.

Through its role on the Mobility35 Program, Jacobs supported timely environmental clearance across multiple projects, ensured regulatory compliance, and integrated air quality considerations into broader corridor planning, design, and decision-making processes.

Firm Members: Patrick Joseph, Andrew Cooper



17. FIRM EXPERIENCE

Firm Name	Jacobs Engineering Group Inc.		Discipline(s)*	CPM, Environmental, Bridge, Road
Project name	Houston Ship Channel Bridge Program and Construction Management		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	Harris County Toll Road Authority
Project location	Houston, Texas		Owner's Project Manager	Roberto Trevino, PE
Owner's address, phone, email	7701 Wilshire Place Drive, Houston, TX 77040; 713.587.7177			
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost (\$1,000's)	50,000	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	50,000	

Jacobs provides comprehensive program management, CPM scheduling, Independent Contractor Estimates (ICE), and construction management services for the Sam Houston Tollway Ship Channel Bridge Replacement, a ~\$1 billion major transportation initiative consisting of twin signature cable stayed-bridges and associated roadway and corridor improvements.

The Sam Houston Tollway Ship Channel Bridge crosses the Houston Ship Channel, a major navigable waterway located within a low-lying marsh and coastal Texas environment characterized by wetlands, tidal influences, soft soils, and sensitive ecological resources. This setting closely mirrors the coastal Louisiana landscape, requiring similar approaches to constructability, environmental compliance, marine construction staging, and risk management. Jacobs' experience in coastal and marsh environments informed both cost estimating assumptions and construction phasing strategies.



In its role as the Independent Contractor Estimator, Jacobs develops detailed, defensible, bottom-up construction cost estimates to support owner decision making throughout design and procurement. The ICE effort incorporates labor productivity, regional material pricing, marine and terrestrial equipment usage and rates, subcontractor pricing, temporary works, construction staging over water, indirect and general condition costs, bonding and insurance rates, contractor operating margins, and escalation to establish an objective, independent assessment of anticipated construction costs. Jacobs established and maintained a comprehensive project controls framework integrating CPM schedules, ICE cost models, and quantitative cost risk analysis. Independent estimates and accompanying risk assessments were used to validate design assumptions, evaluate alternative bridge and marine construction approaches, and inform key scope and sequencing decisions. A detailed ICE and probabilistic cost risk analysis directly supported major design refinements and value driven scope changes, resulting in overall cost reductions of several million dollars while preserving schedule and performance objectives.

As part of program delivery, Jacobs coordinates environmental compliance and permitting activities associated with construction in a coastal marsh and navigable waterway, integrating air quality, noise, and aquatic resource considerations directly into construction cost estimates, schedules, and phasing plans. The team works closely with regulatory agencies including the U.S. Coast Guard, FAA, and the Port of Houston to ensure environmental constraints and marine operations requirements are fully reflected in ICE assumptions, risk models, and construction execution strategies.

Jacobs also leads value engineering, constructability, and alternative technical concept reviews, independently evaluating contractor means and methods, work packaging strategies, and marine bridge construction approaches to optimize cost, minimize environmental impacts, and reduce overall project risk. The independent estimating and constructability reviews enabled the owner to continue project delivery without rebidding, avoiding significant schedule delays and exposure to escalating coastal construction market conditions.

Firm Members: Scott Pierce



17. FIRM EXPERIENCE

Firm Name	Thompson Engineering Inc.		Discipline(s)*	Road
Project name	Lower St. Bernard Roadway Network & Resilience Study		Firm responsibility (prime or sub?)	Sub
Project number	H.015428.2		Owner's name	Regional Planning Commission
Project location	St. Bernard Parish		Owner's Project Manager	Ms. Karen Parsons
Owner's address, phone, email	10 Veterans Memorial Boulevard, New Orleans, LA 70124; kparsons@norpc.org			
Services commenced by this firm (mm/yy)	02/23	Total consultant contract cost (\$1,000's)	\$208	
Services completed by this firm (mm/yy)	05/25	Cost of consultant services provided by this firm (\$1,000's)	\$208	

Our Team provided conceptual intersection layouts for short term improvements as well as conceptual elevated roadway layouts, outreach/engagement services, and costs for the Stage 0 Feasibility Study.

As a subconsultant to GIS Engineering, LLC, our team prepared an extensive Stakeholder and Public Outreach Plan for the Regional Planning Commission (RPC). Thompson was responsible to discuss the project's purpose, need, project related development opportunities and concerns. Thompson was responsible for conducting two public meetings to solicit public input on the feasibility study. Various meetings were held with the stakeholder committee and community groups. A map exercise, community survey, social media posts and logo were created for community events/workshops to gather input.

Our team gathered existing infrastructure conditions and utilities within the study area, including gas, water, sewer, drainage, lighting, striping, signage, signals, and roadway and intersection characteristics.

Thompson used the design years of 2030 and 2050 for short term and long term land use development scenarios. Our team prepared six conceptual intersection improvements for roadway intersections to accommodate the efficient movement of forecasted traffic needs at various major intersections. These conceptual improvements included a multi-lane 3-way roundabout, signalized U-turns, and a fully displaced left turn intersection. The team also developed elevated roadway alternatives for a long term improvement consistent with forecast data. Thompson prepared all layouts on aerial photography.

Thompson prepared a Technical Report to describe green infrastructure resilience elements that could be incorporated into proposed alternatives that would protect future infrastructure and enhance the resiliency of the transportation system and community. These included identified needs and potential improvement for traffic flow, including an estimate of travel time savings during an emergency evacuation, signage, striping, messaging capabilities, and contra-flow.

Firm Members: David H. Dupre, PE | Tyler Gettys, PE



17. FIRM EXPERIENCE

Firm Name	Ardaman & Associates, Inc.		Discipline(s)*	Geotech
Project name	MRB South GBR: LA 1 to LA 30 Connector		Firm responsibility (prime or sub?)	Prime
Project number	H.013284		Owner's name	LADOTD
Project location	West Baton Rouge, Iberville, Ascension, & East Baton Rouge Parishes		Owner's Project Manager	Christina Brignac
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA (225)379-1937 Christina.Brignac@la.gov			
Services commenced by this firm (mm/yy)	07/23	Total consultant contract cost (\$1,000's)	\$6,000	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$713	

The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings. There are three proposed alignments for this project connecting LA 1 on the west side of the Mississippi River to LA 30 on the east. The three alignments range from approximately 7 miles to 8 miles in length including interchanges at either end.

For this preliminary phase of work, Ardaman performed 18 soil borings, and 23 electronic cone penetration tests (ECPTs) distributed among the three alternative alignments. Six soil borings to a maximum exploration depth of

250 feet below existing ground surface (bgs) were performed in the Mississippi River batture area targeting the proposed bridge foundations on either side of the Mississippi River for each alternative and all consistent with applicable NEPA and FHWA procedures. The remaining 12 soil borings

performed to a maximum exploration depth of 150 feet were located along each of the alignments for the high-level approaches and low-level interchanges on either side of the Mississippi River. The ECPTs were performed to maximum exploration depths ranging from 42 feet to 150 feet and were located along the three proposed alignments to supplement the soil borings. Additionally, a total of 31 electrical resistivity (ER) geophysical survey transects were completed to allow for a survey of the stratigraphy between soil investigation locations.

Engineering services include supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. The preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. A data report and preliminary geotechnical assessment report were submitted.

Firm Members: Megan Bourgeois, Robert Jewell, Ross McGillivray, Jarmon King, Robert Rousset, Casey Floyd, Jessica Litt



17. FIRM EXPERIENCE

Firm Name	Ardaman & Associates, Inc.		Discipline(s)*	Geotech
Project name	LA-1 Phases 1 and 2		Firm responsibility (prime or sub?)	Prime
Project number	SP No. 700-29-0112, 700-29-0130		Owner's name	LADOTD
Project location	Lafourche Parish, LA		Owner's Project Manager	Ching Tsai (Phase I), Timothy Nickel (Phase 2)
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 225.379.1100 Timothy.Nickel@la.gov			
Services commenced by this firm (mm/yy)	01/03	Total consultant contract cost (\$1,000's)	\$3,400	
Services completed by this firm (mm/yy)	12/11	Cost of consultant services provided by this firm (\$1,000's)	\$3,400	

The project consisted of the construction of a replacement highway between Port Fourchon and Golden Meadow, Louisiana consisting of 17 miles of elevated roadway with pile supported approaches, low-level bridges and medium-level bridges, two elevated interchanges, and two fixed high-level bridges over navigable waterways. Once completed, the new highway will be almost as long as the Pontchartrain Bridge near New Orleans, generally regarded as the world's longest bridge. Ardaman faced an additional challenge of drilling in the sensitive marsh environment under jurisdiction of LA's Dept. of Natural Resources. This concern was addressed by developing an environmentally sensitive drilling program that included custom designing airboats mounted with drilling equipment. Ardaman was retained by the LADOTD at the beginning of the project in 2003 and was involved through the end of 2011. The scope of services included:

- Geotechnical field exploration (field reconnaissance, rights of entry, utility location, marsh access, mobilization/demobilization, GPS location/elevation) for Phases 1 and 2; consisting of over 100 borings and CPT soundings
- Geotechnical laboratory testing services for Phases 1 and 2;
- Geotechnical design of Phase 1; and
- Pile quality assurance testing and resistance verification services during construction of Phase 1, consisting of over 400 piles.

In addition to the vast scope of field investigation that included deep borings, shallow borings and ECPT soundings and laboratory testing, the scope of services for this project also included pile foundation design, testing, and inspection services.

Firm Members: Robert Jewell, Megan Bourgeois, Robert Rousset



17. FIRM EXPERIENCE

Firm Name	Ardaman & Associates, Inc.		Discipline(s)*	Geotech
Project name	Chef Menteur Pass Bridge & Approach		Firm responsibility (prime or sub?)	Sub
Project number	SP No. H.000263.5-1		Owner's name	LADOTD
Project location	Orleans Parish, LA		Owner's Project Manager	Kristy Smith
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 225.379.1100 Kristy.Smith@la.gov			
Services commenced by this firm (mm/yy)	10/18	Total consultant contract cost (\$1,000's)	\$1,090	
Services completed by this firm (mm/yy)	06/21	Cost of consultant services provided by this firm (\$1,000's)	\$1,090	

Ardaman managed and oversaw all aspects of an extensive field investigation program including performing soil borings to depths of over 200 feet in over 80-foot water depths. Our Geotechnical investigation included 28 deep soil borings, 12 cone penetrometer soundings (CPT), sampling, laboratory testing, and electrical resistivity geophysical testing along the alignment for the replacement of the existing Chef Menteur Bridge with a high-level fixed span structure over Chef Menteur Pass on US 90 in Orleans Parish. The boring depths range from 120 feet to 260 feet including 6 borings taken in the Chef Menteur Pass with water depth of over 60 feet at locations near the navigable waterway.

Firm Members: Megan Bourgeois, Robert Jewell, Jarmon King, Jessica Litt, Casey Floyd



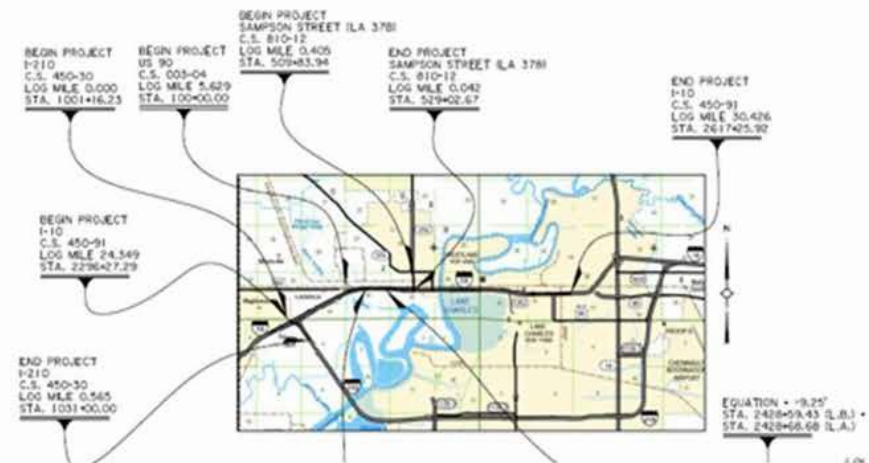
17. FIRM EXPERIENCE

Firm Name	The Lakvold Group LLC		Discipline(s)*	Appraiser
Project name	I-10 Calcasieu River Bridge, Public-Private Partnership		Firm responsibility (prime or sub?)	Sub
Project number	H.003931		Owner's name	TRC Companies, Inc.
Project location	Calcasieu Parish, Louisiana		Owner's Project Manager	Geoff Wilson, P.E.
Owner's address, phone, email	7915 Wrenwood Boulevard, Suite C, Baton Rouge, Louisiana 70809; 225-205-6869; wilson@trccompanies.com			
Services commenced by this firm (mm/yy)	01/25	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	01/26	Cost of consultant services provided by this firm (\$1,000's)		\$10,000

Firm's Role: Completed Conceptual Stage Relocation Plan in 2025 based on various preliminary information. Updated the cost of the real estate impacts in 2026 based on final right-of-way maps. The plan included viewing the projects area, analyzing real estate impacts, determining potential relocations, researching the market area and real estate inventory.

Project Management and Final Transportation Study Deliverables: These tasks included completing the Conceptual Stage Relocation Report for review and inclusion in the Environmental Assessment.

Firm Members Involved: Angela Lemoine-Lakvold and support staff.



Firm Members: Angela Lemoine-Lakvold

17. FIRM EXPERIENCE

Firm Name	C&M Associates, Inc. of Texas		Discipline(s)*	Traffic
Project name	I-10 Calcasieu River Bridge Traffic and Revenue Advisory Services		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	Acciona; Sacyr
Project location	Lake Charles, LA		Owner's Project Manager	Ulises Wensell (Acciona); Eduardo Rosa Pérez (Sacyr)
Owner's address, phone, email	34 600-514-382, ulises.wensell.martinez@acciona.es (Acciona)			
Services commenced by this firm (mm/yy)	04/23	Total consultant contract cost (\$1,000's)	\$100	
Services completed by this firm (mm/yy)	05/23	Cost of consultant services provided by this firm (\$1,000's)	\$100	

C&M advised two consortia presenting bids to the LADOTD to support their P3 traffic risk bid for the rehabilitation and tolling of the project. C&M completed an investment grade study for the first consortium that withdrew from the process. Subsequently, C&M advised members of a second consortium in its successful bid for the project.

C&M's investment grade T&R study was produced on-time and on-budget under a challenging schedule. The study analyzed the competing nature of the tolled I-10 bridge vs. the non-tolled I-210 alternative for passenger cars and commercial trucks for both local and long distant traffic.

Firm Members: Carlos Contreras (Principal in Charge); Jonathan Pagan (Project Manager)



17. FIRM EXPERIENCE

Firm Name	C&M Associates, Inc. of Texas		Discipline(s)*	Traffic
Project name	I-285 and SR 400 Express Lanes Traffic and Revenue Studies		Firm responsibility (prime or sub?)	Sub
Project number	N/A		Owner's name	GDOT
Project location	Atlanta, GA		Owner's Project Manager	Selena Riordan
Owner's address, phone, email	One Georgia Center, 600 West Peachtree NW, Atlanta, GA 30308, (404) 293-5344, sriordan@dot.ga.gov			
Services commenced by this firm (mm/yy)	07/21	Total consultant contract cost (\$1,000's)	\$1,794	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$1,794	

C&M, as a subconsultant to EY, is providing T&R services for a major proposed express lanes projects for GDOT.

The project comprises a network of proposed express lanes along I-285 and SR 400 in Atlanta, GA. Given that the I-285 corridor covers nearly the entire northern Atlanta metropolitan area, the study area comprises the entire I-285 loop around Atlanta, including other major radial roadways—several of which are existing express lane corridors. There are several major roadways in the study area, including the existing I-285 Perimeter around the city of Atlanta and the I-75/I-575 corridor, which serves the northwest region and is locally referred to as the Northwest Corridor (NWC).

In addition to T&R forecasting and related tasks such as travel demand modeling, the study also involves supporting stakeholders' decision-making process on various project policies—including tolling strategy and other policies—by providing them with key inputs for alternative scenarios. The study also includes engagement with the financial community such as rating agencies and TIFIA loan support.

For I-285, C&M has presented its T&R forecasts and liaised with rating agency Moody's to answer questions and perform sensitivities. In 2022, C&M presented its T&R forecasts and liaised with rating agency Moody's to answer questions and perform sensitivities in support of GDOT's TIFIA application and rating agency review for the SR 400 express lanes project. The roughly \$11 billion project reached financial close in August 2025, including a \$3.89 billion TIFIA loan—the largest TIFIA loan ever granted to date—and a \$3.4 billion Private Activity Bonds issuance. The bonds received investment-grade ratings of Baa3 from Moody's and BBB+ from Kroll. The project will also benefit from early work payments and future transit payments from the State Road and Tollway Authority (SRTA).

Firm Members: Carlos Contreras (Principal in Charge); Jonathan Pagan (Project Manager)



17. FIRM EXPERIENCE

Firm Name	C&M Associates, Inc. of Texas		Discipline(s)*	Traffic
Project name	365 TOLL Investment Grade Traffic and Revenue Study		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	Hidalgo County Regional Mobility Authority
Project location	Hidalgo County, TX		Owner's Project Manager	Pilar Rodriguez
Owner's address, phone, email	203 W. Newcombe Ave, Pharr TX 78577, (956) 402-4762, prodriquez@hcrma.net			
Services commenced by this firm (mm/yy)	06/20	Total consultant contract cost (\$1,000's)	\$386	
Services completed by this firm (mm/yy)	02/21	Cost of consultant services provided by this firm (\$1,000's)	\$386	

Since 2008, C&M has worked with the HCRMA to support their development of the proposed 365 TOLL facility (formerly SH 365). Working with a local government entity with no prior tolling experience, C&M has supported HCRMA staff and guided board members while providing the following services:

- Traffic projections, heavy truck percentages and projections, and turning movement projections to support the project's environmental clearance.
- Regional Toll Analysis (RTA), coordinating closely with the local MPO to obtain the project's environmental clearance with respect to Environmental Justice zones.
- Level of Service (LOS) study for Value Engineering work on different design alternatives of 365 TOLL.
- Sketch, Intermediate, and Investment Grade T&R studies for the proposed facility during different stages of the project development process.
- Expert opinions to determine toll rates and periodic toll rate adjustments.
- Meetings with peer reviewers and the Texas Department of Transportation (TxDOT) to support the application for a State Infrastructure Bank loan.
- Preparation of a Bring Down Letter in 2021 to support bond issuance.

In its most recent (2020) investment grade T&R study for this project, which was an update to its December 2016 investment grade study, C&M—with Axel Herrmann as Project Manager—supported the HCRMA in their efforts to finance 365 TOLL by providing a 40-year investment grade T&R forecast.

C&M's study was reviewed by TxDOT and served as the basis for HCRMA's application and approval of a \$42 million State Infrastructure Bank loan. C&M's study and Bring Down Letter supported the January 20, 2022 Official Statement of \$152 million in Series 2022A Senior Lien bonds and \$64 million in Series 2022B Junior Lien bonds issued by the HCRMA, pledging vehicle registration fees and toll revenue from 365 TOLL. The Senior Lien Bonds received ratings of Baa2 from Moody's and BBB- from S&P. The Junior Lien bonds received ratings of Baa3 from Moody's and BB+ from S&P.

Firm Members: Carlos Contreras (Principal in Charge); Axel Herrmann (Project Manager); Jonathan Pagan (Senior Advisor)



17. FIRM EXPERIENCE

Firm Name	The Hawthorne Agency, Inc.		Discipline(s)*	Other (Public Outreach)
Project name	New Orleans Rail Gateway Program Jefferson Highway Rail Relocation Project		Firm responsibility (prime or sub?)	Sub
Project number	H.005168		Owner's name	LADOTD
Project location	Orleans and Jefferson Parishes, LA		Owner's Project Manager	Kevin Lawson
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802 / 225-379-3032 / kevin.lawson@la.gov			
Services commenced by this firm (mm/yy)	10/19	Total consultant contract cost (\$1,000's)	\$203	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$82	

The Louisiana Department of Transportation and Development and the Federal Railroad Administration, in coordination with the New Orleans Regional Planning Commission and the railroads operating in the New Orleans metropolitan area are preparing an Environmental Assessment as part of the New Orleans Rail Gateway Program for the Jefferson Highway Rail Relocation project. This project involves improvements to the at-grade highway-rail crossings located along Jefferson Highway (US 90) in Jefferson Parish, between Ochsner Health Foundation Hospital and Monticello Avenue.

The Hawthorne Agency, Inc. is executing strategic public outreach and involvement tasks to make certain the community is educated about the study and provided opportunities for meaningful participation. From designing and disseminating informational program newsletters, to facilitating agency, elected official, and public open house meetings, THA is assisting the team in effectively carrying forth integral outreach tasks in accordance with National Environmental Policy Act guidelines.

Firm Members: Geneva Coleman, Karimah Stewart, and Steven Pierre



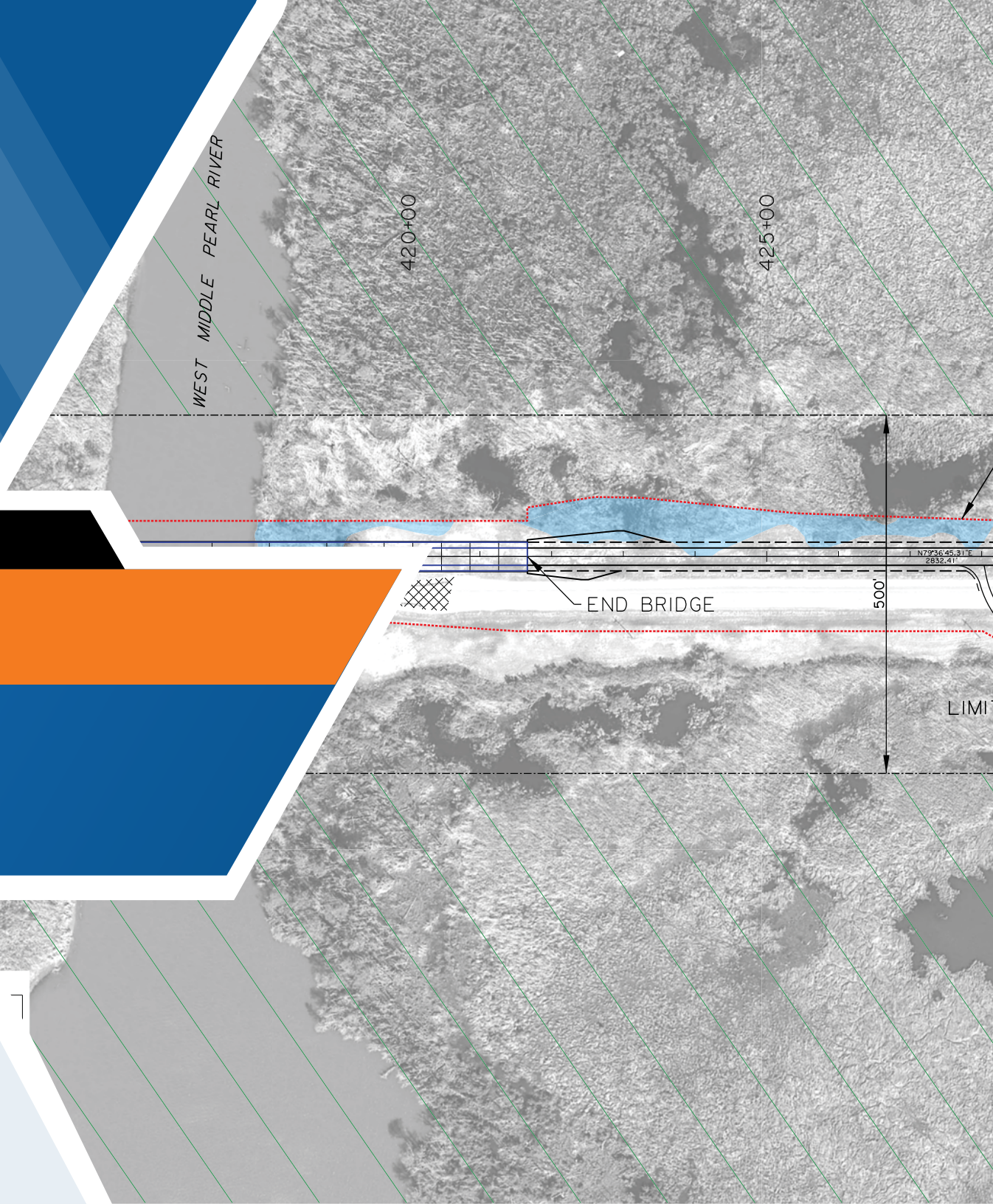
Section 18

ST. BERNARD LIT CORRIDOR ROUTE: NEW ROADWAY

Contract No 4400035009

State Project No. H.015428.2

Federal Aid Project No. H015428



18. APPROACH & METHODOLOGY:

PROJECT UNDERSTANDING

The Louisiana Department of Transportation and Development (DOTD) is advancing the St. Bernard Louisiana International Terminal (LIT) Corridor from Stage 0 Feasibility Study through the preparation of a Stage 1 Environmental Impact Statement (EIS). The EIS should further develop the alternatives from broad corridors of the Stage 0 into conceptual layouts with sufficient detail of roads and bridges for preliminary cost estimates, traffic operation and safety analyses, toll analysis, and environmental impact analyses. The EIS will document all technical studies and data used to compare impacts of the potential road and bridge layouts. The EIS requires detailed evaluation of alignment alternatives, engineering feasibility, environmental resources, drainage, traffic operations, tolling, and robust public engagement. This effort must transform a corridor concept into a fully supportable Preferred Alternative that withstands Federal, state, local, and stakeholder scrutiny.

Our team's experience—rooted in the NEPA process, statewide/regional travel demand modeling, DOTD-compliant roadway and drainage design, and extensive public involvement—positions us to deliver a **defensible, technically robust, and community-supported EIS**.

STRATEGIC APPROACH

We will employ a federally aligned, best-practice methodology informed by successful project workflows across Louisiana and the region. Engineering, environmental, and public involvement tracks will proceed in parallel, reducing schedule risk and embedding avoidance/minimization principles from the start.

Pre-NEPA Activities: Travel Demand Modeling & Traffic Analysis

Traffic Analysis and Safety Approach

This effort will advance the traffic and safety findings developed in the Stage 0 Feasibility Study, which identified three (3) conceptual elevated roadway alternatives and associated tie-ins to the existing roadway network and the proposed LIT facility. The Stage 0 effort also identified five key intersections requiring potential improvements and further operational and safety evaluation:

1. Paris Road at E. Judge Perez Drive
2. E. St. Bernard Highway at Palmisano Boulevard
3. E. Judge Perez Drive at Palmisano Boulevard
4. E. St. Bernard Highway at Paris Road
5. E. St. Bernard Highway at Colonial Boulevard

Traffic Data Collection and Corridor Screening

Traffic data will be collected within the study area, and Stage 0 data will be supplemented as necessary to support a corridor-level evaluation of each elevated alternative. Data collection will include turning movement counts, vehicle classification counts, and relevant field observations at the five key intersections, proposed tie-in locations, and rail crossing areas. Using this information, a corridor study will be conducted to assess existing conditions and determine traffic and safety impacts associated with each alternative.

The corridor screening will evaluate operational performance and access at the five (5) key locations and identify intersections or roadway segments adversely affected by each elevated alternative. This screening will also assess the feasibility of the Stage 0-identified intersection improvements, including roundabouts, added turn lanes, displaced left turns, signal timing and phasing adjustments, and signalization of currently unsignalized intersections.

Traffic Operations Analysis

Following corridor screening, additional traffic counts and supporting data will be collected to support a more detailed traffic analysis of the study area. Traffic operations analyses will be performed using the latest DOTD-approved software and methodologies, consistent with the Traffic Engineering Process and Report (TEPR) framework.

Traffic volumes will be developed for existing and future design years using DOTD-approved growth rates, forecasting methods based on the RPC regional travel demand model, growth of port-related traffic, and future demand developed in Stage 0. Analyses will be conducted for Existing, No-Build, and Build scenarios for each of the three elevated alternatives. Performance measures will include capacity, delay, queuing, level of service, and signal performance throughout the study area, including the five key intersections, affected corridors, and elevated roadway tie-in points.

Safety and Multimodal Analysis

A comprehensive safety analysis will be conducted using the most recent five years of available crash data obtained from the Louisiana Crash Tool (CARTS). The analysis will identify crash frequency, severity, collision types, and contributing factors within the study area, with focused evaluation at the five key intersections, rail crossings, and locations influenced by the proposed elevated alternatives.

The Stage 0 Feasibility Study identified pedestrian and bicycle related crashes as a safety concern within the project area and incorporated recommendations from the St. Bernard Parish Bikeway & Pedestrian Study. As part of this effort, safety and traffic analyses will evaluate conditions affecting all roadway users, including non-motorized modes, particularly at the five key intersections and along affected corridors.

Safety performance will be assessed under existing and future conditions to evaluate how proposed intersection and corridor improvements address observed crash patterns, risk factors, and Vulnerable Roadway User (VRU) safety concerns. This evaluation will consider vehicular and non-vehicular operations in an integrated manner, including crossing treatments, intersection geometry, and signal timing and phasing.

Findings from the safety and multimodal evaluation will be integrated with traffic operations analyses to support the identification of locations requiring mitigation, refinement of the Stage 0 concepts, and comparative evaluation of the relative safety performance of each elevated alternative. The goal is to support safer multimodal operations while maintaining traffic efficiency throughout the study area.

18. APPROACH & METHODOLOGY:

Intermediate Toll Analysis

The NS Team will produce detailed intermediate Level 2 traffic and revenue (T&R) forecasts for each of the three alternatives (CHIP, GEHIP and GES) as follows:



Task 1: Project Management (24 weeks). This task will include a kick-off meeting with DOTD and key stakeholders and development of a Project Management Plan for the T&R study.

Task 2: Existing Data Collection (4 weeks). Collect historical traffic data for passengers and commercial vehicles, historical traffic count data (GIS based DOTD MS2 Traffic Counts), the latest freight-related data, publicly available trade forecasts, and existing documentation related to traffic within the Project area. The NS Team will collect Travel Time utilizing Google API Speed data will leverage “Big data” to obtain detailed passenger and commercial vehicle OD information at the TAZ level.

Task 4: Socioeconomic Data Review (4 weeks). The socioeconomic analysis includes disaggregated county-level socioeconomic data at the traffic analysis zone (TAZ) level for use in the adopted NORPC SELATRAM regional travel demand model. The analysis will utilize U.S. Census Bureau and Bureau of Labor Statistics data as well as Louisiana data produced by relevant state agencies.

Task 6: Travel Demand Modeling (14 weeks). The NS Team will adopt the SELATRAM and will calibrate and validate the model performance for a new 2025 base year model in accordance with Federal Highway Administration (FHWA) travel demand modeling guidance. Calibration will include adjustment of trip generation rates, trip distribution friction factors, mode choice parameters (where applicable), and network assignments to achieve acceptable agreement between modeled and observed data. The NS Team will develop multiple forecast years and scenarios. 2030 No Build forecasts will be developed as part of Phase 1 to represent near term baseline travel conditions without implementation of the proposed project. 2050 No Build forecasts reflect full buildout of the regionally planned transportation network absent the project. In addition, 2030 and 2050 Build scenarios will be modeled to evaluate the effects of the proposed improvements, including three elevated alternative configurations, on regional travel patterns and corridor performance.

The study will benefit from SELATRAM’s recent incorporation of port generated truck demand to reflect anticipated growth in freight activity associated with the Port of New Orleans (Port NOLA).

Toll Diversion Modeling (6 weeks). The NS Team will implement in the SELATRAM model its toll diversion methodology, using the TransCAD’s GISDK scripting. The inputs to the toll diversion model are travel time, travel cost, and willingness to pay. The NS Team will consider different willingness to pay for different user groups and trip purposes, HBW, HBO, NHBW, NHBO and commercial vehicle trips based on similar projects and C&M experience.

Task 7: Scenario Analysis (4 weeks). The NS Team will support the project team by developing the expansion scenarios that will include up to three (3) alternatives as required for NEPA guidelines, including detailed intersection alternatives in the calibrated and validated SELATRAM model. The NS Team will make toll rate recommendations based on future traffic demand and transaction performance, travel times, Level of Service, max/recommended toll rates, hourly vehicle throughput, etc.

Task 8: T&R Forecast (3 weeks). Development of T&R forecasts for the Project’s opening year and two (2) horizon years. The NS Team will report annual traffic and revenue projections for the entire forecast period and the alternative scenarios. The opening year traffic estimates will be adjusted to account for the Project’s ramp-up period and other factors common to start-up projects and/or characteristics of the area. Seasonal variations in traffic will be determined based on information obtained in previous tasks. The NS Team will convert the model’s daily traffic into annual average daily traffic (AADT) values for each vehicle class.

Task 9: Documentation (8 weeks). A Draft Report will be prepared to document assumptions, methodologies, inputs, and results. The NS Team will evaluate and respond to comments received during the review period and incorporate any necessary revisions in the Final Report.

Pre-NEPA Activities: Engineering Alternatives Development

Data Assembly and Criteria

We will obtain, organize, and review engineering data required to prepare design criteria, including existing highway plans (as-builts), proposed developments, TIS, traffic data, LiDAR topography, utility information, maps, and aerial photography. All Stage 0 data and reports will be reviewed and incorporated.

Geotechnical

Our geotechnical approach will be tailored to the project corridor and executed in accordance with DOTD and AASHTO LRFD requirements, with a focus on addressing the soft, variable subsurface conditions typical of southeast Louisiana. Services will include detailed field reconnaissance, subsurface exploration using deep and shallow soil borings supplemented by ECPT soundings and electrical resistivity where appropriate, and a comprehensive laboratory testing program performed under an accredited laboratory. Field and laboratory data will be compiled into DOTD-compatible databases and evaluated to characterize stratigraphy, strength, and settlement behavior. Engineering analyses will support foundation type selection and design (including piles and drilled shafts), embankment performance, slope stability, and constructability considerations. Throughout the project, experienced professional engineers will oversee field activities, review data, and prepare clear, concise geotechnical reports and design recommendations to support roadway and structural design and facilitate efficient construction.

Alternative Development and Screening

Based on traffic and safety analysis, NS will develop alternatives improving system linkage and increase capacity. CAP-X and SPICE will be used for high-level screening; detailed operational analysis will use HCS/Sidra/Synchro, with safety analysis using approved Crash Modification Factors (CMFs). Our team’s experience spans countless DOTD studies, including use of the Interactive Highway Safety Design Model (IHSDM).

18. APPROACH & METHODOLOGY:

Design Criteria and Typical Sections will be developed and submitted to DOTD for approval prior to geometric layouts. Reasonable alternatives will then be designed using aerial photography and DOTD standards. Roadway engineering will conform to DOTD Roadway Design Procedures and Details, DOTD Engineering Directives and Standards (EDSMs), AASHTO's Policy on Geometric Design of Highways and Streets, and AASHTO Roadside Design Guidelines.

Environmental constraints will be incorporated from the outset. GIS layers (natural, cultural, socioeconomic) will guide alternatives to avoid impacts where feasible. If design exceptions or waivers are unavoidable, they will be identified with clear rationale. We will also coordinate refinements that could improve eligibility for grant awards while maintaining the project's purpose.

Bridge Design

For the elevated roadway component of the St. Bernard LIT Corridor, our approach to bridge design emphasizes flexibility, constructability, and long-term performance in the unique environmental and geotechnical conditions of coastal Louisiana. We have extensive experience delivering a wide range of bridge structure types allowing us to tailor solutions to site-specific constraints such as required horizontal and vertical clearances, right-of-way limitations, and alignment geometry. Our designs routinely accommodate complex horizontal and vertical curves, including superelevated sections, while maintaining structural efficiency, ride quality, and durability in high-moisture, corrosive environments.

We will evaluate multiple construction methods early in design to optimize cost, schedule, and environmental impact. These may include accelerated bridge construction techniques, such as prefabricated bridge elements and systems, incremental launching, balanced cantilever construction for longer spans, and conventional cast-in-place methods where appropriate. In Louisiana's soft soils and sensitive wetlands, we prioritize solutions that minimize ground disturbance, reduce in-water work, and limit traffic disruption where applicable—often leveraging longer span arrangements, prefabrication, and top-down construction techniques. By aligning structure type selection with constructability and environmental considerations, we will deliver an elevated roadway system that is efficient, resilient, and cost-effective, while meeting the geometric demands of this corridor.

Drainage and Structures

Impacts to existing drainage systems/structures will be evaluated, and new systems required for major water crossings will be shown on concept layouts. Bridge typical sections, superstructure/substructure types, and existing bridge inspection findings (if applicable) will be documented. Proposed bridge type, size, and location will be shown on concept layouts and included in cost estimates. Constructability concerns—navigation, overhead obstructions, driveway access, and noise—will be assessed.

Right-of-Way (ROW) and Costing

A standard typical-section template will establish approximate ROW limits and disturbance areas for impact evaluation. Existing ROW information will be obtained from as-builts, parcel maps, and GIS files. Where possible, improvements will be kept within existing ROW; where not possible, refinements will reduce required takings and associated cost. Both apparent and required ROW will be shown on geometric layouts. Required ROW will consider constructability and phasing and will be developed to minimize impacts, costs, and—where feasible—avoid relocations.

Preliminary cost estimates for each alternative will be based on DOTD weighted unit costs (with location and magnitude factors), and will include engineering (roadway, bridge, drainage), environmental, construction (including traffic management during construction), ROW acquisition, utility relocation, and contingencies.

Pre-NEPA Activities: Environmental Field Studies

Cultural Resources

In compliance with the National Historic Preservation Act (NHPA), NS will conduct marine and terrestrial Phase I Surveys for Archaeological Resources and Standing Structures. The field survey approach will be coordinated with DOTD archaeologists prior to initiating NHPA Section 106 consultation with the Louisiana State Historic Preservation Officer (SHPO). Field survey findings will be compiled into a Phase I Cultural Resources Survey Report for submittal to LA SHPO and interested tribes in support of Section 106 consultation. The findings and impact assessments of the field surveys will be incorporated into the NEPA document.

Wetlands

NS biologists will conduct desktop analysis to characterize the alternatives and design survey protocols, reviewing NRCS Web Soil Survey, USGS topo maps and National Hydrography datasets, USFWS NWI maps, LiDAR elevation, and current/historic aerials. With landowner access, NS will schedule field surveys and document potential jurisdictional wetlands and non-wetland waters following the 1987 Corps Wetlands Delineation Manual and the Atlantic & Gulf Coastal Plain Regional Supplement. A draft Wetland Findings Report (parameters narrative, routine determination forms, photos, soils info, and mapped areas) will be provided for team review.

Noise

The NS Team will evaluate existing and projected traffic noise. Field measurements and predictive modeling (CADNA-A per ISO 9613-2 and/or FHWA TNM 2.5, as required) will use site-specific traffic, geometry, and topography inputs. Noise will be predicted at worst-case receptors (per local requirements), and mitigation/barrier analyses will be developed where impacts are identified.

Air / Phase I ESA

Air-quality review and Phase I Environmental Site Assessment (ESA) will be completed in conformance with DOTD and FHWA guidance.

Public and Stakeholder Involvement

We will compile a stakeholder list (agencies, corridor residents/businesses) for DOTD's review and approval. Outreach will begin early and continue throughout the effort. NS assumes up to six stakeholder meetings. Additional stakeholder meetings, a public meeting, and one public hearing are planned as part of the Environmental Evaluation Task, as required with the EIS.

Line and Grade

NS will develop detailed alternative layouts based on the Stage 0 Feasibility Report, stakeholder/agency input, and the final traffic study, with environmental-impact avoidance mapping guiding refinements. Tasks include establishing design criteria, developing typical roadway sections,

18. APPROACH & METHODOLOGY:

collecting survey data (on an as-needed basis, including drone-based acquisition where appropriate), and completing horizontal and vertical geometry.

Environmental Evaluation

Agency and Public Coordination

NS will gather agency and public input through Scoping, Solicitation of Views (SOV), interagency and stakeholder meetings, public meetings, and public hearings. Information from these activities will refine the Purpose and Need. NS will develop early Section 106 coordination maps and letters for Tribal coordination, for DOTD review and FHWA submission. All agency coordination will be managed with DOTD approval. NS will record meetings and provide a public-hearing transcript (verbatim), submitted for DOTD review and approval. A summary of public participation will be included in the Draft and Final EIS.

Project Mapping and GIS

Environmental impact avoidance will be embedded throughout. We will use GIS to store, analyze, and quantify project data. The initial database will compile existing data (NSI/DOTD studies), site data, stakeholder input, desktop surveys, and site visits. Natural, cultural, and socioeconomic data will be updated frequently as discipline studies, stakeholder input, permit correspondence, and SOV responses are received. GIS will illustrate study-area characteristics, environmental field work, alternatives, ROW (existing/required), utility relocations, and more.

Environmental Analyses and NEPA Documentation

The EIS will be prepared in accordance with NEPA; FHWA Technical Advisory TA 6640.8A; Section 6002 of SAFETEA-LU; MAP-21; and applicable rules, laws, and guidance (including Stage 1 Manual of Standard Practice). The EIS will conform to DOTD policies and include DOTD's environmental determination checklist and a summary of commitments, mitigation, and required permits. Engineering, traffic, and other task data will be incorporated.

Conceptual Stage Relocation Plan (CSRP)

The CSRP will quantify real-estate impacts (parcels to be acquired, displacement types, high-level demographics, and cost estimates—hard/soft). An appraiser will provide estimates (not appraisals) of corridor property values and replacement properties for potential displacements; a ROW agent will evaluate impacts on dwellings/businesses to identify likely displacements. Results will be compiled into the CSRP.

Draft EIS (DEIS)

The team will prepare the DEIS with all necessary documentation and applicable checklists for public, stakeholder, state, and federal review and comment.

Public and Stakeholder Involvement (DEIS)

The DEIS will be advertised for public review and comments, accompanied by a public hearing.

Final EIS (FEIS)

To expedite completion, NS will follow USDOT guidance on combined FEIS/ROD and use of errata sheets where appropriate. If DEIS comments are minor, we will prepare errata sheets (per USDOT requirements) rather than rewrite the DEIS; if comments are major, a full FEIS will be prepared.

Our proposed schedule aligns with FHWA's expectation that an EIS is completed within a 24-month window from Notice of Intent to Record of Decision.

	Month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A. Contract/Project Management																														
B. Pre-NEPA Activities																														
1. Refine Purpose & Need																														
2. Level D SUE																														
3. H&H																														
4. Traffic Data Collection																														
5. Traffic Analysis/Corridor Study																														
6. Line & Grade/Typical Sections																														
7. Bridge Concept Study																														
8. Initiate Environmental Analysis / Field Work																														
9. Geotech																														
10. Intermediate Toll Analysis																														
11. Conceptual Cost Estimate																														
12. Identify Stakeholders / Cooperating Agencies																														
13. Draft Financial Plan																														
14. Draft Project Management Plan																														
C. Environmental Evaluation																														
1. Refine Purpose & Need / Submit SOVs																														
2. Refine List of Cooperating/Participating Agencies & Stakeholders																														
3. Refine and evaluate Alternatives																														
4. Conduct 1 Public Meeting																														
5. Finalize Line & Grade and Typical Sections																														
6. Refine Preliminary Bridge Design																														
7. Complete Environmental Analysis and Technical Reports																														
8. Develop Alternative Comparison Matrix																														
9. Prepare EIS and Record of Decision (ROD) Documents																														
10. Refine Cost Estimates																														
11. Select Preferred Alternative																														
12. Conduct 1 Public Hearing																														
13. Prepare Permit Applications & Mitigation																														
14. Prepare Cost Schedule Risk Assessment (CSRA)																														
15. Update Financial Plan and Project Management Plan																														
D. Preliminary Engineering & Data Collection																														
1. Sole Discretion of DOTD																														

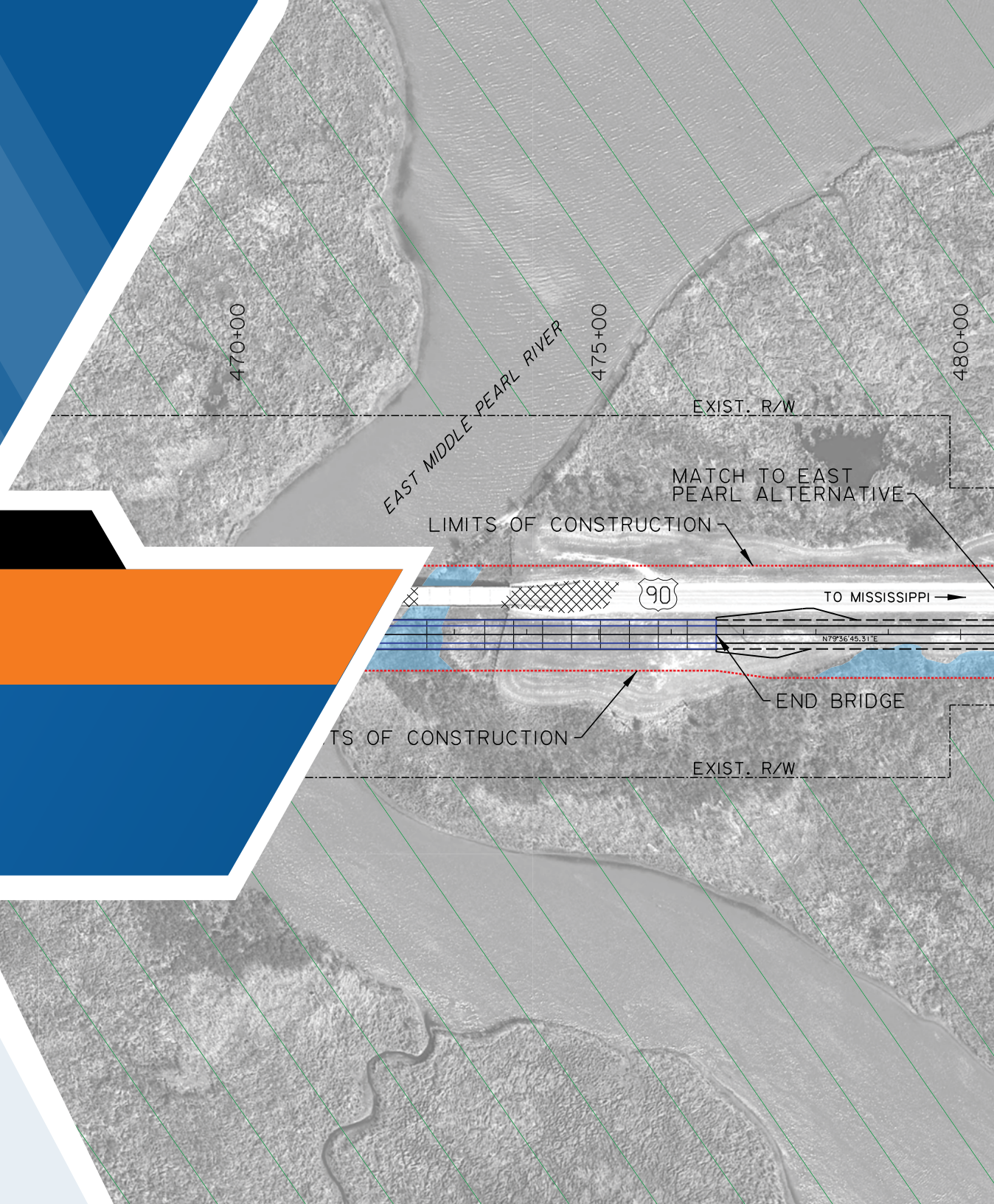
Sections 19-21

ST. BERNARD LIT CORRIDOR ROUTE: NEW ROADWAY

Contract No 4400035009

State Project No. H.015428.2

Federal Aid Project No. H015428



19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
 Neel-Schaffer, Inc.	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	\$43,608
	Traffic	4400010428 S.A. 6, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	\$74,567
	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	\$17,644
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	\$19,695
	ITS	440005459, H.004780.5	Kansas Lane Connector, S.A. #6	\$552
	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	\$43,269
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	\$0
	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	N/A
	Planning	4400018271, H.014746.1	LA 383 Corridor Study	\$87,416
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	\$42,783
	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	\$23,473
	Road	4400024927, H.015226.5, S.A. #1	US 90: Roundabout at LA 101, S.A. #1	\$118,524
	Traffic	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	N/A
	Traffic	4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	\$44,672
	Traffic	4400025299, H.016168.1	Baton Rouge Northern Bypass Expressway	\$195,075
	Road	4400024927, H.014366.5	LA 621 Realignment at LA 73 (on hold and should not count as backlog)	\$324,142
	Traffic	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
	Planning	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	\$1,696
	Road	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 Ave. (on hold and should not count as backlog)	\$136,011
	Traffic	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
	Road	4400031591, H.015574.5	LCG FYA Signal Improvements Phase 2	\$240,503
	Other (Program Management)	4400027987, H.015373.1	LRSP and SRTTP Program Management	\$431,945
	Road	4400024927, H.016158.5	LA 182: Greenwood St. Overpass (on hold and should not count as backlog)	\$10,190
	Traffic	4400028585, H.014516.5	Mills Ave & Rees St Intersection Imp	\$67,988
	Traffic	4400023689, H.015227. S.A. #1	US 61 @ Victoria Dr. Ped Crossing, S.A. #1	\$3,066
	ITS	4400029436, H.011504.6	Alexandria Phase 2 Technical Support	\$20,844



19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
 Neel-Schaffer, Inc.	ITS	4400029436, H.016447.1	DMS Decom & 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
	CE&I/OV	4400029441, H.011446.6	Mound Rest Area Renovations	\$46,645
	Other (Electrical)	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
	Traffic	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
	Road	4400024927, H.015640.5	LA 150 & LA 818: Roundabout	\$384,019
	Traffic	4400025299, TO #7	District 05 Study Reviews	\$300,000
 T. Baker Smith, LLC	Bridge	4400013407 / H.013199	Country Estates Dr. Over St. Louis Bayou	\$13,940
	Bridge	4400019336/Multiple SPNs	Rural Bridge Replacement Initiative Phase II	\$1,183
	Bridge	4400025027 / Multiple SPNs	IIJA Off-System Bridge Program	\$29,016
	CE&I/OV	4400025760 / H.011137	I-12: LA 1077 to LA 21 (CE&I)	\$520,240
	Environmental	4400019336 / Multiple SPNs	Rural Bridge Replacement Initiative Phase II	\$13,804
	Environmental	4400025027 / Multiple SPNs	IIJA Off-System Bridge Program	\$40,849
	Environmental	4400031920 / H.008069	Peters Road Bridge & Extension (Phase 3)	\$207,770
	Other (Construction Support)	4400013203 / H.001344	US 190: LA 437 to US 190 Bus (Ph 1)	\$10,984
	Other (Construction Support)	4400025027 / Multiple SPNs	IIJA Off-System Bridge Program	\$102,090
	Other (Contract Management)	4400019336 / Multiple SPNs	Rural Bridge Replacement Initiative Phase II	\$8,663
	Other (Contract Management)	4400025027 / Multiple SPNs	IIJA Off-System Bridge Program	\$27,546
	Road	4400019336 / Multiple SPNS	Rural Bridge Replacement Initiative Phase II	\$1,170



19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
 T. Baker Smith, LLC	Road	4400025027 / Multiple SPNs	IJA Off-System Bridge Program	\$49,026
	Road	4400024928 / H.015576 (Task Order #1)	LA 447 @ LA 1025: Roundabout	\$9,521
	Road	4400024928 / H.015587 (Task Order #3)	LA 3211 @ Yokley Road Roundabout	\$133,650
	Road	4400024298 / H.016095 (Task Order#4)	LA 70 Rehab: Marguerite St to US 90	\$10,991
	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	\$93,295
	Survey	4400025027 / Multiple SPNs	IJA Off-System Bridge Program	\$9,236
	Survey	4400021973 / H.011242	LA 384 (Big Lake Rd to McNeese St)	\$666,371
	Survey	4400024928 / H.015485	LA 3187: LA 13 - LA 13	\$153,257
	Survey	4400031920/H.008069.5	Peters Road Bridge & Extension (Phase 3)	\$444,670
	Survey	4400019336 / Multiple SPNs	Rural Bridge Replacement Initiative Phase II	\$2,284
	Other (Subsurface Utility Engineering)	4400025511/H.011242.5	LA 384	\$770,896
Jacobs Engineering Group Inc.	N/A			N/A
 The Lakvold Group LLC	Appraiser	SPN H.004100	LA 415 to Essen on I-10 and I-12; Phase I: Washington Street to Essen Lane, East Baton Rouge Parish, LA	\$86,340
	Appraiser	SPN H.007811	Comite River Diversion Canal, Amite River and Tributaries, East Baton Rouge Parish, LA	\$20,800
	Appraiser	SPN H.003931	Interstate 10 Calcasieu River Bridge, Public – Private Partnership Project, Calcasieu Parish, LA	\$150,000
	Appraiser	SPN H.011909	Roundabout: US 71 at Boone Street, Vernon Parish, LA	\$12,000
	Appraiser	SPN H.010960	LA 30 Roundabout at Tanger & I-10, Ascension Parish, LA	\$12,000
C&M Associates, Inc. of Texas	N/A			N/A



19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
 Thompson Engineering, Inc., of Louisiana	CE&I/OV	#4400017430 / H.001498	LA 24 & LA 316: Company Canal Bridge (CE&I)	\$65,608
	CE&I/OV	#4400021186 / H.013520	Barringer Drive Sidewalks	N/A
	Road	#4400023075 / H.013522	S. Lewis Street Widening	\$41,881
	CE&I/OV	#4400024988 / H.006457.6	Roundabout @ PR 929 and Parker Road	N/A
	CE&I/OV	#4400025412 / H.006459.6 (CE&I)	Roundabout Churchpoint Road and Roddy Road (CE&I)	\$323
	CE&I/OV	#4400025412 / H.006459.6 (CE&I)	Roundabout Churchpoint Road and Roddy Road (CE&I)	\$323
	CE&I/OV	#4400025702 / H.013813.6 (CE&I)	Vintage Drive Multi Use Path: Power – Wilson (CE&I)	\$38,547
	CE&I/OV	#4400024021/#4400024022 / H.015028 / H.002264	Bayou Barataria MB Replacement, Phase I (CE&I) Bayou Barataria MB Replacement (CE&I)	\$128,816
	Road	#4400027183 / H.016012 - Task 1	IDIQ Contract for Design of Transportation Alternatives Projects Statewide	\$10,031
	CE&I/OV	#4400027183 / H.015852.5 – Task 2	LA Hwy. 403 Sidewalks (Paincourtville) (Melancon Street to St. Elizabeth Street)	\$116,770
	CE&I/OV	#4400027183 / H.015860.5 – Task 3	LA 1 & LA 308 Sidewalks (Belle Rose)	\$156,545
	CE&I/OV	#4400029079 / H.014625.6	Terry Parkway: LA 23-US 90B	N/A
	CE&I/OV	#4400029159 / H.014682	Veterans Boulevard: David Drive to Clearview	\$524
	Road	#4400028908 / H.014334.6	Doucet Road Sidewalks	\$104,231
	CE&I/OV	#4400028908 / H.014334.6	Bonnabel Boulevard: Metairie Road	\$36,391
	Bridge	#440021517 / H.010007	DOTD Contract 5 – Movable Bridges (HDR)	\$173,232
	CE&I/OV	#4400030093 / H.015547.6 – Task 1	IDIQ Contract for Construction, Engineering and Inspection Services and Staff Augmentation Alphonse Forbes Road over Drainage Bayou	\$109,129
	CE&I/OV	#4400030093 / H.014837.6 – Task 2	IDIQ Contract for Construction, Engineering and Inspection Services and Staff Augmentation LA30: LA74 - EBR P/L Iberville Parish	\$327,777
	CE&I/OV	#4400030093 / H.015530.6 – Task 3	IDIQ Contract for Construction, Engineering and Inspection Services and Staff Augmentation Devall Road over Drainage Ditch Ascension Parish	\$178,500
	Road	#4400014181 / H.011310.5	Ford Street Extension *pending DOTD execution	\$200,417
	Bridge	#4400021514 / H.012003, H.011995, H.0100007, H.012568, H.012000	Contract 2 for Movable Bridges (5) Vermilion, St. Martin, Assumption, and Cameron Parishes (WSP)	\$125,971

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
 Ardaman & Associates, Inc.	Geotech	44-4128; H.004273	I-49 Connector, Lafayette	\$740,206
	Geotech	44-18899; H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$48,501
	Geotech	44-19013; H.004100.5 & 6	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12	\$1,133,921
	Geotech	H.004435	I-12 to Bush Construction Phase	\$40,550
	Geotech	44-8671; H.009266	I-10 Widening: LA 73 to LA 30	\$46,811
	Geotech	44-17438; H.013284	MRB GBR LA 1 to LA 30 Connector	\$3,979
	Geotech	44-6189; H.004647.6	I-20 Mississippi River Bridge at Vicksburg	\$1,341,878
	Geotech	44-25025; H.015452, H.015453, H.015456, H.015458	IIJA	\$33,712
	Geotech	44-24652, H.015569	Pelican Point Roundabouts	\$757
	Geotech	44-21519; H.012030.5	KCS RR Overpasses US 371	\$39,877
	Geotech	44-21887; H.012542, H.012453, H.012047	Replacement of 15 Bridges	\$282,487
	Geotech	44-6189; H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016318.5, H.016319.5, H.016325.5	Culvert Replacements	\$6,300
	Geotech	H.015430	IIJA	\$3,192
	Geotech	H.001798	LA 531: Bridges Near Dubberly	\$13,301
	Geotech	H.016094	US 371: Brushy Creek Bridge	\$84,695
	Geotech	H.016204	Benton Sidewalks & RR Crossing	\$14,370
The Hawthorne Agency, Inc.	Other (Public Outreach)	Contract No. 4400005484 SPN. H.005168	New Orleans Rail Gateway Program Jefferson Highway Rail Relocation Project	\$5,526
	Other (Public Outreach)	Contract No. 4400005484 SPN. H.005168.2	New Orleans Rail Gateway Program Avondale Planning & Environmental Linkages Study	\$1,811



SEE ATTACHED



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

Previous Names

Business: NEEL-SCHAFFER, INC.
Charter Number: 34112054F
Registration Date: 4/25/1983

Domicile Address

4450 OLD CANTON ROAD
 SUITE 100
 JACKSON, MS 39211

Mailing Address

4450 OLD CANTON ROAD
 SUITE 100
 JACKSON, MS 39211

Principal Business Office

4450 OLD CANTON ROAD
 SUITE 100
 JACKSON, MS 39211

Registered Office in Louisiana

450 LAUREL STREET, 8TH FLOOR
 BATON ROUGE, LA 70801

Principal Business Establishment in Louisiana

450 LAUREL STREET
 8TH FLOOR
 BATON ROUGE, LA 70801

Status

Status: Active
Annual Report Status: In Good Standing
Qualified: 4/25/1983
Last Report Filed: 4/9/2026
Type: Business Corporation (Non-Louisiana)



Certificate of Completion

presented to

Nick Ferlito

for completing the

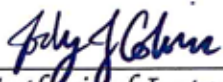
Traffic Engineering Analysis Process & Report Module 1

Date: June 4, 2018

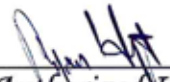
Location: Baton Rouge, Louisiana

Professional Development

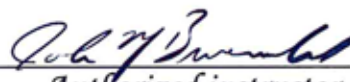
Hours (PDHs) Awarded: 4



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: June 11, 2018

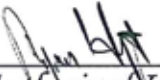
Location: Baton Rouge, Louisiana

Professional Development

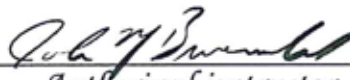
Hours (PDHs) Awarded: 4



Authorized Instructor



Authorized Instructor



Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

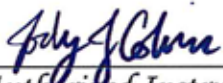
Nick Ferlito

for completing the

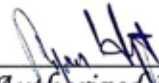
Traffic Engineering Analysis Process & Report Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana

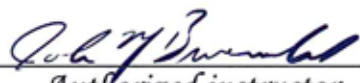
*Professional Development
Hours (PDHs) Awarded:* 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

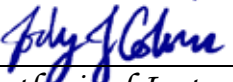
Vijay Kunada

for completing the

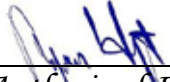
Traffic Engineering Analysis Process & Report Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana

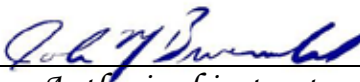
*Professional Development
Hours (PDHs) Awarded:* 2.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Vijay Kunada

for completing the

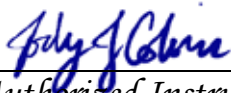
Traffic Engineering Analysis Process & Report Module 2

Date: October 10, 2018

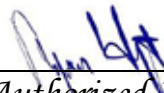
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Vijay Kunada

for completing the

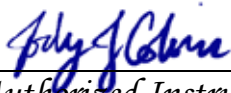
Traffic Engineering Analysis Process & Report Module 3

Date: December 17, 2018

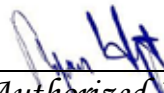
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



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



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



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



Certificate of Completion

presented to

Santosh Andem

for completing the

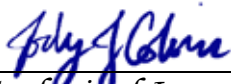
Traffic Engineering Analysis Process & Report Module 1

Date: July 30, 2018

Location: Baton Rouge, Louisiana

Professional Development

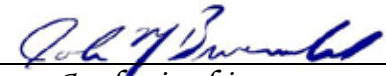
Hours (PDHs) Awarded: 2.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Santosh Andem

for completing the

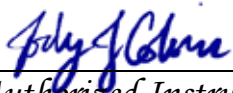
Traffic Engineering Analysis Process & Report Module 2

Date: August 6, 2018

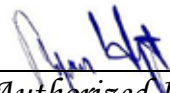
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Santosh Andem

for completing the

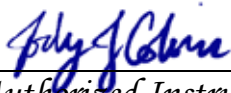
Traffic Engineering Analysis Process & Report Module 3

Date: October 18, 2018

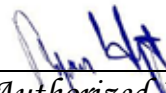
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Jonathan Duhe

for completing the

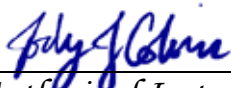
Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018

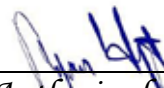
Location: Baton Rouge, Louisiana

Professional Development

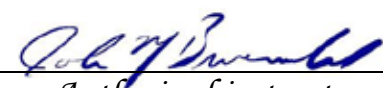
Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Jonathan Duhe

for completing the

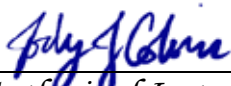
Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018

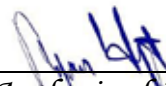
Location: Baton Rouge, Louisiana

Professional Development

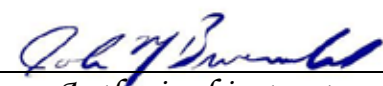
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Jonathan Duhe

for completing the

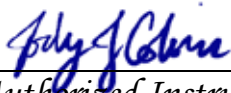
Traffic Engineering Analysis Process & Report Module 3

Date: October 29, 2018

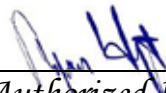
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Ellen B. Howard

for completing the

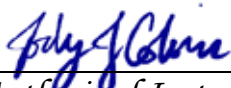
Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018

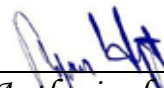
Location: Baton Rouge, Louisiana

Professional Development

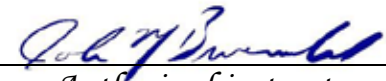
Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Ellen Howard

for completing the

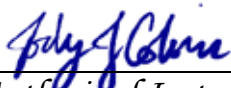
Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018

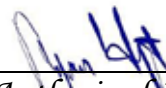
Location: Baton Rouge, Louisiana

Professional Development

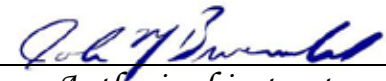
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Ellen Howard

for completing the

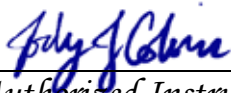
Traffic Engineering Analysis Process & Report Module 3

Date: October 29, 2018

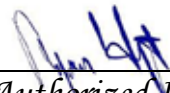
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Charles LeBoeuf

for completing the

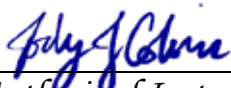
Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018

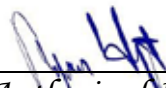
Location: Baton Rouge, Louisiana

Professional Development

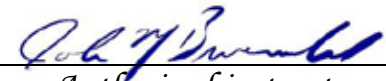
Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Charles LeBoeuf

for completing the

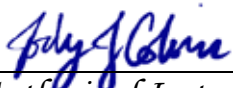
Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018

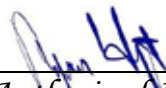
Location: Baton Rouge, Louisiana

Professional Development

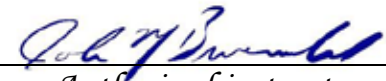
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Charles LeBoeuf

for completing the

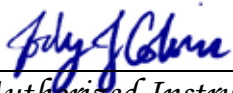
Traffic Engineering Analysis Process & Report Module 3

Date: October 29, 2018

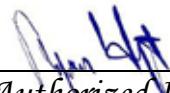
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

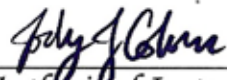
Katie Odenthal

for completing the

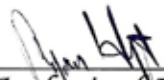
Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana

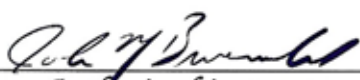
*Professional Development
Hours (PDHs) Awarded:* 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

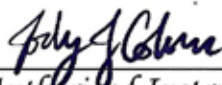
Katie Odenthal

for completing the

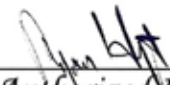
Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana

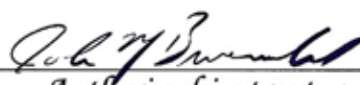
*Professional Development
Hours (PDHs) Awarded:* 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

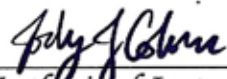
Katie Odenthal

for completing the

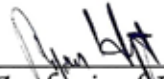
Traffic Engineering Analysis Process & Report Module 3

Date: October 29, 2018
Location: Baton Rouge, Louisiana

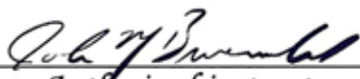
*Professional Development
Hours (PDHs) Awarded:* 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Congratulations!

Britton Overby

You have completed

Traffic Engineering Analysis Process & Report Class

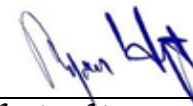
Modules 1, 2 & 3

Date: July 22-23, 2025

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 8.50



Authorized instructor



Certificate of Completion

presented to

Brandon Perilloux

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development
Hours (PDHs) Awarded: 2

Poly G. Colvins
Authorized Instructor

John Hitt
Authorized Instructor

Robert J. Brumfield
Authorized instructor



Certificate of Completion

presented to

Brandon Perilloux

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

Poly G. Colvins
Authorized Instructor

John Hitt
Authorized Instructor

Robert J. Brumfield
Authorized instructor



Certificate of Completion

presented to

Brandon Perilloux

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: February 26, 2019
Location: Bridge City, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

Poly G. Colvins
Authorized Instructor

John Hitt
Authorized Instructor

Robert J. Brumfield
Authorized instructor



Certificate of Completion

presented to

Ellen Soll

for completing the

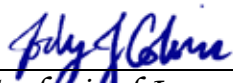
Traffic Engineering Analysis Process & Report Module 1

Date: July 28, 2020

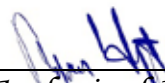
Location: Baton Rouge, Louisiana

Professional Development

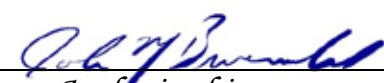
Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Ellen Soll

for completing the

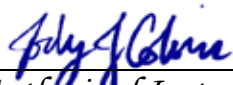
Traffic Engineering Analysis Process & Report Module 2

Date: July 28, 2020

Location: Baton Rouge, Louisiana

Professional Development

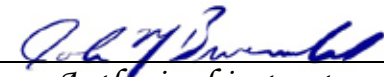
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Ellen Soll

for completing the

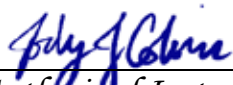
Traffic Engineering Analysis Process & Report Module 3

Date: July 29, 2020

Location: Baton Rouge, Louisiana

Professional Development

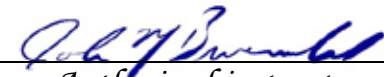
Hours (PDHs) Awarded: 3.5



Authorized Instructor



Authorized Instructor



Authorized instructor





U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training



NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Kara Knott

has participated in

NEPA and Transportation Decision Making

hosted by
LA DOTD/LTRC

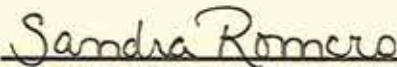
Date: March 18-20, 2008

Hours of Instruction: 18

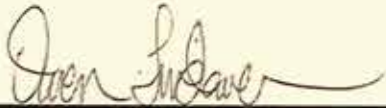
Location: Baton Rouge, LA



Instructor



Local Coordinator



Instructor



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



U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training

Maria Reid

has participated in

NHI Course No. 142005

NEPA and Transportation Decisionmaking

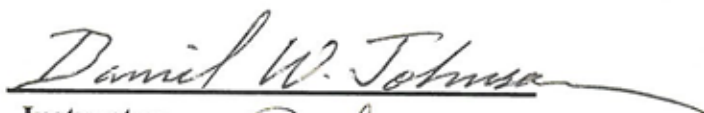
hosted by

LA DOTD/LTRC

Date: February 18-20, 2014

Hours of Instruction: 18

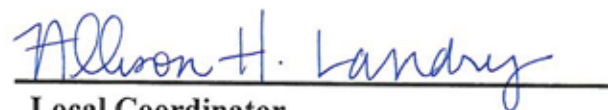
Location: Baton Rouge, LA



Instructor



Instructor



Local Coordinator



Richard Barnaby, Director
National Highway Institute



NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence



U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training



NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Ellen Soll

has participated in

NEPA and Transportation Decision Making

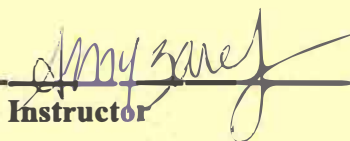
hosted by

LA DOTD/LTRC

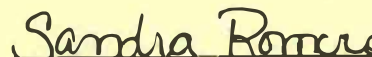
Date: March 18-20, 2008

Hours of Instruction: 18

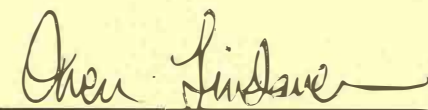
Location: Baton Rouge, LA



Instructor



Local Coordinator



Instructor



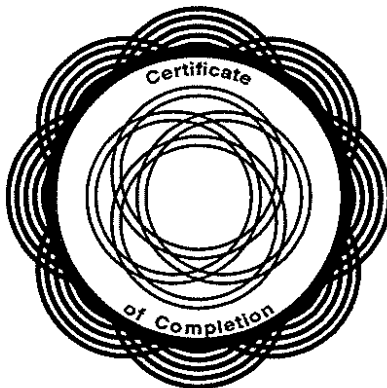
Joseph S. Toole, Associate Administrator
Office of Professional and Corporate Development

Certificate of Completion

This certifies that

KARA MOREE

has successfully completed a training course that is based in part on the U.S. Army Corps of Engineers Wetland Delineation Manual, Technical Report Y-87-1 (1987 Manual) and Regional Supplements to the Corps of Engineers Wetland Delineation Manual: Atlantic & Gulf Coastal Plain Region and the Eastern Mountains and Piedmont Region.



Presented by
**WETLAND RESOURCES Environmental
Consulting**

Gena Todia
Gena Todia, President

10/19/12
Date

INSTITUTE FOR WETLAND & ENVIRONMENTAL
EDUCATION & RESEARCH, INC.

CERTIFICATE OF TRAINING

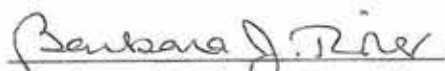
This certifies that

MARIA BERNARD REID

has completed wetland delineation training in the use of the

CORPS WETLAND DELINEATION MANUAL

Note: This training has been based in part on the U.S. Army Corps of Engineers Wetlands 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.


Barbara J. Tiner, President

April 2003
Date

P.O. Box 288, Leverett, MA 01054 (413) 548-8866 www.wetlanded.com

Richard Chinn Environmental Training, Inc.

certifies that

Maria Reid

has successfully completed a

8 Hour Army Corps of Engineers Regional Supplement Wetland Delineation Training

issued this Certificate and 1.0 CEUs on this twenty-seventh day of February, 2014, in Metairie, Louisiana



Richard Chinn, PWS

Richard Chinn Environmental Training, Inc.

804 Cottage Hill Way, Brandon, FL 33511-8098

1.800.427.0307 • FAX: 1.888.457.6331 • info@richardchinn.com • <http://www.richardchinn.com>



Transportation Professional Certification Board Inc.

certifies that

Ellen Lee Burke

*has met all of the requirements established by the Certification Board
to use the title of*

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 3735 issued in Washington, D.C., U.S.A.*

August 1, 2014

Timothy D. Harpst
Chair



James W. Fisher
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Brandon Dale Perilloux

*has met all of the requirements established by the Certification Board
to use the title of*

Professional Traffic Operations Engineer

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4432 issued in Washington, DC, USA*

3/18/18


Michael K. Park
Chair




Jeffrey F. Puniati
Executive Director

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

Previous Names

T. BAKER SMITH, L.L.C. (Changed: 3/23/2011)

T. BAKER SMITH, INC. (Changed: 12/13/2010)

T. BAKER SMITH & SON, INC. (Changed: 4/20/2005)

Business: T. BAKER SMITH, LLC

Charter Number: 26901340K

Registration Date: 1/7/1965

Domicile Address

412 SOUTH VAN AVENUE
HOUMA, LA 70363

Mailing Address

P.O. BOX 2266
HOUMA, LA 70361

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 1/7/1965

Last Report Filed: 12/8/2025

Type: Limited Liability Company

Registered Agent(s)

Agent: KENNETH W. SMITH
Address 1: 412 SOUTH VAN AVENUE
City, State, Zip: HOUMA, LA 70363
Appointment Date: 10/29/2001

Name	Type	City	Status
JACOBS ENGINEERING GROUP INC.	Business Corporation (Non-Louisiana)	PASADENA	Inactive
Previous Names			
Business:	JACOBS ENGINEERING GROUP INC.		
Charter Number:	32408480F		
Registration Date:	10/18/1978		
Domicile Address			
	251 SOUTH LAKE AVE. PASADENA, CA 91101		
Mailing Address			
	251 S. LAKE AVENUE PASADENA, CA 91101		
Principal Business Office			
	251 S. LAKE AVENUE PASADENA, CA 91101		
Registered Office in Louisiana			
	601 POYDRAS STREET NEW ORLEANS, LA 70130		
Principal Business Establishment in Louisiana			
	2155 SORREL AVENUE BATON ROUGE, LA 70821		
Status			



Name	Type	City	Status
THOMPSON ENGINEERING INC.	Business Corporation (Non-Louisiana)	LITTLETON	Active
Previous Names			
Business:	THOMPSON ENGINEERING INC.		
Charter Number:	44993761F		
Registration Date:	6/27/2022		
Domicile Address			
8201 SHAFFER PARKWAY SUITE A LITTLETON, CO 80127			
Mailing Address			
201 RUE BEAUREGARD STE 202 LAFAYETTE, LA 70508			
Principal Business Office			
201 RUE BEAUREGARD STE 202 LAFAYETTE, LA 70508			
Registered Office in Louisiana			
201 RUE BEAUREGARD, STE. 202 LAFAYETTE, LA 70508			
Principal Business Establishment in Louisiana			
201 RUE BEAUREGARD STE 202 LAFAYETTE, LA 70508			
Status			



Name	Type	City	Status
ARDAMAN & ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	ORLANDO	Active

Previous Names

Business: ARDAMAN & ASSOCIATES, INC.
 Charter Number: 34396031F
 Registration Date: 12/13/1991

Domicile Address

8008 SOUTH ORANGE AVENUE
 ORLANDO, FL 32809

Mailing Address

3475 E. FOOTHILL BLVD.
 PASADENA, CA 91107

Principal Business Office

8008 SOUTH ORANGE AVENUE
 ORLANDO, FL 32809

Registered Office in Louisiana

3867 PLAZA TOWER DR.
 BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

316 HIGHLANDIA DR.
 BATON ROUGE, LA 70816

Status

Status: Active
 Annual Report Status: In Good Standing
 Qualified: 12/13/1991
 Last Report Filed: 11/13/2025
 Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Name	Type	City	Status
THE LAKVOLD GROUP LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: THE LAKVOLD GROUP LLC
Charter Number: 34882713K
Registration Date: 1/24/2000

Domicile Address

4520 JAMESTOWN AVENUE, SUITE 6
 BATON ROUGE, LA 70808

Mailing Address

C/O 4520 JAMESTOWN AVENUE, SUITE 6
 ANGELA LEMOINE-LAKVOLD
 BATON ROUGE, LA 70808

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 1/24/2000
Last Report Filed: 12/26/2025
Type: Limited Liability Company

Registered Agent(s)

Agent: DAVID EARL LAKVOLD
Address 1: 6812 SOUTH WOODGATE COURT
City, State, Zip: BATON ROUGE, LA 70808
Appointment Date: 1/24/2000

Agent: ANGELA LEMOINE-LAKVOLD
Address 1: 6812 SOUTH WOODGATE COURT
City, State, Zip: BATON ROUGE, LA 70808



Name	Type	City	Status
C&M ASSOCIATES, INC. OF TEXAS	Business Corporation (Non-Louisiana)	DALLAS	Active

Previous Names

Business: C&M ASSOCIATES, INC. OF TEXAS
Charter Number: 41968719F
Registration Date: 7/31/2015

Domicile Address

17304 PRESTON ROAD
 SUITE 831A
 DALLAS, TX 75252

Mailing Address

17304 PRESTON ROAD
 SUITE 831A
 DALLAS, TX 75252

Principal Business Office

17304 PRESTON ROAD
 SUITE 831A
 DALLAS, TX 75252

Registered Office in Louisiana

3867 PLAZA TOWER DR.
 BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

3867 PLAZA TOWER DR
 BATON ROUGE, LA 70816

Status

Status: Active
Annual Report Status: In Good Standing
Qualified: 7/31/2015
Last Report Filed: 7/2/2025
Type: Business Corporation (Non-Louisiana)



Name	Type	City	Status
THE HAWTHORNE AGENCY, INC.	Business Corporation	NEW ORLEANS	Active

Previous Names

Business: THE HAWTHORNE AGENCY, INC.
Charter Number: 35413656D
Registration Date: 1/23/2003

Domicile Address

615 BARONNE ST.
 SUITE 200
 NEW ORLEANS, LA 70113

Mailing Address

615 BARONNE ST.
 SUITE 200
 NEW ORLEANS, LA 70113

Principal Office Address

615 BARONNE ST.
 SUITE 200
 NEW ORLEANS, LA 70113

Status

Status: Active
Annual Report Status: Not In Good Standing for failure to file Annual Report
File Date: 1/23/2003
Last Report Filed: 3/13/2025
Type: Business Corporation

Registered Agent(s)

Agent: BRYAN C. REUTER
Address 1: 909 POYDRAS ST., STE. 2500
City, State, Zip: NEW ORLEANS, LA 70112
Appointment: 1/15/2000



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.**

SEE ATTACHED





in association with



LADOTD CONTRACT No. 44-35009

S.P. No. H.015428.2

FAP No. H015428

St. Bernard LIT Corridor

Route: New Roadway

St. Bernard Parish

BRIDGE DESIGN QC/QA PLAN

April 2026

Table of Contents

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Appendix C	LADOTD QC/QA Submittal Certifications

Introduction

T. Baker Smith, LLC (TBS) understands that proper QC/QA is vital to the success of any bridge project. When a clearly outlined, known and repeatable process is followed by a team of bridge designers and technicians, design errors are eliminated, and plan accuracy is greatly enhanced. These QA/QC procedures and guidelines have been developed to ensure that bridge design team develops and accurately confirms that the project's design and resulting drawings meet LADOTD and AASHTO criteria and are in accordance with the requirements of the Contract. LADOTD's Bridge Design and Evaluation Manual requires that the Department's Policy for Quality Control and Quality Assurance is followed for all LADOTD projects. This QC/QA plan establishes the basis for TBS to continue to be *Committed to Excellence and Focused on Delivery*.

This QC/QA plan has been developed consistent with LADOTD and TBS policies specially for:

LADOTD CONTRACT No. 44-35009

S.P. No. H.015428.2

FAP No. H015428

St. Bernard LIT Corridor

Route: New Roadway

St. Bernard Parish

TBS will manage design and design quality control/quality assurance program throughout the development of bridge design and production of bridge plans and specifications for this project. Our designated QC/QA manager for this project will be responsible for overseeing the overall quality program, performing independent Quality Assurance reviews as well as the preparation and implementation of the QC/QA plan. TBS fully understands that it is the LADOTD's expectation that it's consulting engineers take full responsibility for their design and bridge plan submittals throughout the design process. We further understand that review and comments by LADOTD does not relieve TBS of this responsibility.

This QA/QC plan has been prepared in accordance with the requirements set forth in "Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation (H-08-17)," FHWA, AASHTO, August 2011. Additionally, requirements of BDTM.37 and "Policy on Quality Control and Quality Assurance," Louisiana Department of Transportation and Development, Bridge Design Section, October 2012, as amended and the requirements of the LADOTD's Bridge Design and Evaluation Manual will be followed throughout the project.

TBS has committed to this process and has dedicated resources to deliver bridge design projects for LADOTD. We strive for continuous improvement to our processes to the benefit of our team members, the clients we serve and the public as a whole. We are committed to partnering with our clients by properly planning our work efforts to achieve a repeatable, consistent and a seamless delivery of our bridge projects. TBS is committed to continuing education, offering our employees

ample opportunities to remain on the leading edge of technology, bridge modeling and design methodology improvements, changes and innovation.

Definitions

Quality Control (QC): This process involves the procedures of checking the accuracy of the calculations and consistency of the drawings, detecting and correction design omission and errors before the design plans are finalized, and verifying that bridge components are adequately designed for the requirements of the AASHTO LRFD Bridge Design Specifications, LADOTD Bridge Design and Evaluation Manual and other technical memoranda.

Quality Assurance (QA): This process involves the procedures of reviewing the work to ensure the quality control procedures and processes are in place and effective in preventing mistakes, and consistency in the development of bridge design plans.

Designer: An individual directly responsible for the development of design calculations, drawings, specifications, and contract documents and, potentially, in the review of shop drawings related to a specific bridge design with a level of technical skills and experience commensurate with the complexity of the subject structure or structures being designed. A designer shall be either a Professional Engineer licensed in the State of Louisiana or certified as an Engineer Intern under the direct supervision of a licensed Professional Engineer. The designer's experience should be commensurate with the complexity of the structure being designed.

Design Checker: An individual responsible for performing full technical review of the structural calculations, drawings, specifications and contract documents. A Design Checker shall be a Professional Engineer licensed in the State of Louisiana or certified as an Engineer Intern under the direct supervision of a licensed Professional Engineer. If the Designer is an Engineer Intern, the Design Checker should be a Professional Engineer. The checker's experience should be commensurate with the complexity of the structure being designed/checked.

Detailer: An individual responsible for the necessary Microstation/CAD duties of producing bridge design plans which reflect the designer's intentions and calculations. The Detailer shall be competent in operating Microstation/CAD software, able to read design sketches and drawings and shall communicate with the designer throughout the development of bridge design plans.

Reviewer: An individual responsible for performing QA procedures for assuring that QA/QC procedures have been performed.

Engineer of Record: A Licensed Professional Engineer responsible for all bridge structural aspects of the design of the structure including the design of all the bridge's systems and components. This individual is responsible for sealing and signing the final project plans.

QC/QA Roles and Responsibilities

The following tables outline the team members who have been selected to perform the individual QC/QA assignments for this project's bridge elements. These assignments are subject to change with comparable personnel depending upon contract execution and timeline.

Bridge Structural Design*		Construction Support & Shop Drawings	
Designer:	Daniel Fontenelle, E.I.	Drawing Review:	Daniel Fontenelle, E.I.
Design Checker:	Daniel Binet, P.E.	Review Checker:	Daniel Binet, P.E..
Detailer:	Alyssa Helwig, E.I.	QA Review:	Andrée Cortez, P.E.
Detail Checker:	Daniel Binet, P.E.		
QA Review:	Andrée Cortez, P.E.		

Hydraulics Design & Scour Analysis		Bridge Geometric Design	
Designer:	Brady Smith, P.E.	Designer:	Alyssa Helwig, E.I.
Design Checker:	Kenny Belou, P.E.	Design Checker:	Kelly Radecker, P.E.
Detailer:	Alyssa Helwig, E.I.	Detailer:	Daniel Fontenelle, E.I.
Detail Checker:	Kelly Radecker, P.E.	Detail Checker:	Brady Smith, P.E.
QA Review:	Andrée Cortez, P.E.	QA Review:	Andrée Cortez, P.E.

*For Non-Standard Structure Elements

Bridge Engineer of Record: Kenny Belou., P.E.
QC/QA Manager: Andrée Cortez, P.E., PMP

QC/QA Procedures

1. CALCULATIONS

INTRODUCTION

Calculations are to be done on calculation tablet sheets for each design organization. Calculation tablets shall bear the name and address of the firm preparing the design. Calculations shall include sketches which are legible to detailers which may augment or clarify the calculations, list all assumptions, references, units, and conclusions. The calculations shall reference the specific component for which they apply and shall cite specific AASHTO codes being used for specific calculations being made.

RESPONSIBILITIES

Engineer of Record – Ensures that staff assigned to the project are capable of performing the analysis and calculations and that their experience is commensurate with the complexity of the structure or component being tasked. Responsible for direct oversight and supervision of the design of the bridge components and structure. Assembles or assigns personnel to assemble and maintain original calculations and calculation checks for the project.

Designers – Prepare all calculations in a neat and logical manner which is conducive to checking. Provide the calculations to the Checker in a timely fashion with time to properly and adequately check calculations prior to detailing.

Checkers – Thoroughly check the design calculations starting with assumptions, mandated parameters, references, given values and formulas, AASHTO codes, omissions, and correctness of arithmetic. The Checker is responsible for asking questions of the Designer in areas that are not clear or seeking technical advice if warranted for a particular element of the calculation.

QC/QA Manager – Performs independent review of the checked calculations and random audits to ensure that QC procedures are being followed for checking of calculations.

PROCEDURES

1. Identify each sheet of calculations with designer's initials, date, project name, and sheet number. Indicate portion of project being designed in the upper right corner of each sheet below the title block. For example: Bent 5 Design, Intermediate Bent Design, Span 3 Design, etc. A component of a project shall be checked promptly upon completion of calculations. Normally, design and quantity calculations are not combined.
2. The Designer shall make a copy (checking copy) of the calculation set and give to the checker. The originals shall then be placed in a designated binder or folder, in a convenient location, which can be accessed by the entire design team.
3. The checker shall fill in the checking copy headings with initials and date in red. All errors and disagreements shall be marked in red. Yellow shall be used to indicate information that has been checked is correct.
4. The checker shall promptly return the checking copy to the Designer for review. If the Designer agrees with the checker's markup then the Designer shall put a green check on red marks. When the Designer and Checker disagree, then the Engineer of Record shall resolve the dispute.
5. The Designer shall change the originals and return the originals and the checking copy to the checker for the checker's initials and date to be placed on the original.
6. The originals shall immediately be placed back into the calculation folder or binder. The checking copy shall be kept as required.

2. DRAWINGS

INTRODUCTION

Timely checking of drawings is important for efficient performance of plan producing and to minimize errors and prevent compounded error. A drawing used as a base file by several disciplines (road, bridge, hydraulics) should be checked and corrected before further additions are made; this will eliminate the need to check and correct the same items on subsequent drawings.

RESPONSIBILITIES

The **Engineer of Record**, with the help of the QC/QA Manager, will ensure that this procedure is implemented on all project drawings and that the check prints are assembled and available for audit for each submittal milestone during project delivery.

The **Designer** of the structure or the bridge element on the drawing has the primary responsibility for accuracy and adequacy. It is not intended that the Designer rely upon the checking system to complete the drawing.

The Designer of each drawing or set of drawings is responsible for making the Check Print, stamping and dating it, following that Check Print through the process, and obtaining the required sign-offs.

Checkers are responsible for checking the drawings, independent of the Designer, for accuracy and adequacy of all the information shown, including geometrics, reinforcing and quantities.

QA/QC Manager performs particular QA reviews and audits to ensure that procedures are being followed in regard to the checking of drawings.

PROCEDURES

1. As each drawing individually is completed and deemed ready for checking, the Designer signs or initials the title block of drawings, makes a Check Print copy, and affixes, numbers, and dates the Check Print stamp on the print of each drawing. This is to be done on each drawing print separately, not on the set of prints as a whole, even if the same information is put on the check print stamp.
2. The Checker checks the Check Print of the drawing for technical adequacy and conformance to any applicable standards and format, and performs specific accuracy checks required for that type of drawing. Checking activity is recorded directly on the Check Print. The Checker is responsible for ascertaining that the drawing is consistent with the corresponding calculations, and signing off that those calculations have been

properly checked. In order to document the checking process, the Checker highlights in yellow on the Check Print each part checked that is found to be correct and marks in red on the Check Print corrections, additions, or deletions.

Use of Colors

Instrument	Use For	User
Yellow Highlight	Checker confirmation	Checker
Red Pen	Correction to be made	Checker
Blue Pen	Discussion Item, Design Issue	Checker
Green Pen	Concur or Alternate Resolution	Designer
Orange Highlight	Confirmation of Correction	Detailer
Pink Highlight	Verification of Corrections Made	Designer/EOR

The Checker signs and dates the Check Print stamp upon completion of the checking. The Checker completes the Design Review Form concurrently with the checking of the Check Prints in order to augment suggested corrections, provide additional information or suggestions.

In the case where no corrections, additions or deletions are found, there is no need for backchecking or further signatures on the Check Print stamp. The Check Print and original drawing, signed in the appropriate checked block, should be returned to the Designer for placement in the projects file.

3. The Designer (or designee, as Backchecker) reviews the Checker's marks on the Check Print as well as the Design Review Form with the Checker to ensure that comments are conveyed accurately and to discuss suggestions or other issues. The Designer then personally makes or supervises the update of the Drawing Original.

To document the backchecking process, the Designer:

- Check-marks in green each of the Checker's red-marked changes if in agreement that the Original should be changed and adds in green, with the concurrence of the Checker, any additional changes not picked up by the Checker.
- Crosses out in green each of the Checker's red-marked changes that both the Designer and the Checker agree should not be changed. The Backchecker should not obliterate the Checker's marks.

NOTE: The Backchecker and Checker should resolve differences encountered during the checking process so they are not repeated. If resolution cannot be achieved by the two individuals, the appropriate Design Unit Engineer or Design Manager should be requested to resolve the differences.

- Signs and dates the Check Print stamp.
4. Correction of the Drawing Original should be supervised by (or drafted by) either the Designer or Checker, since both are familiar with the changes to be made.

When making the Check Print corrections to the Drawing Original, the engineer, draftsman, or CADD operator highlights in orange each correction as incorporated. The person correcting the drawing signs and dates the Check Prints stamp upon completion of the corrections.

5. When corrections are made by a third party (not the Designer or checker), the Check Print should be verified by the Checker or Designer to assure that the agreed-to corrections have been incorporated without error. If the corrections are not made or are erroneous, the Check Print with penciled instructions is returned to the corrector. The Verifier puts a pink check mark next to or pink highlight over the item after reviewing its incorporation on the Original Drawing.

The Verifier signs and dates the Check Print stamp, as applicable.

After the corrections have been verified the Checker initials the "checked by" block on the title block of the Drawing Original.

6. The completed original (or CADD file) is put under the control of the Engineer of Record or a designee in order to prevent further changes in the drawing that could invalidate the checking which has been done. The Engineer of Record or a designee releases the checked drawing to other disciplines to use as a baseline for their input, or to the client.

NOTE: When there is a change to a checked drawing, a new Check Print must be made to check the area that has been changed. The Check Print is stamped and labeled Check Print 2, 3, 4, etc. as applicable and attached to the previous check print(s). The checking follows the same procedure as that of the original Check Print, except that only the portions that changed are marked up as having been checked.

7. If changes mandated by the client at the final review are simple in nature, the Engineer of Record or a designee may abbreviate the checking process by noting the changes in red on a new Check Print (which should be sequentially numbered) and

signing the Check Print as the Backchecker, indicating that the changes do not materially affect the design. Then the normal correcting and verifying processes should be utilized.

Exceptions to the procedural documentation of the Check Prints can be given only by the QC/QA Manager based upon the size, character and complexity of the project.

Description of Appendices:

The following review forms, checklists and certifications within the Appendices will be used during the project's QC/QA process as required by LADOTD's Bridge Design Section BDTM.37. The checklists and certification forms are included in the Appendices for reference.

Appendix A

- LADOTD Design Criteria Worksheet
- LADOTD Project Activity Log Sheet
- LADOTD Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist
- LADOTD Consultant Submittal Review Checklist
- Final Calculation Book Index Checklist

Appendix B

- TBS Design Comment Review Forms

Appendix C

- LADOTD QA Information Package Checklist
- LADOTD QC/QA Certification
- LADOTD Consultant Submittal QC/QA Certification

The Consultant Submittal QC-QA Certification will accompany all submittals as required by the Bridge Design Section QC-QA Policy. Additional checklist(s) may be added by the QC/QA Manager based upon the scope, character and complexity of the project, should this change throughout the course of design.

Design Criteria Checklist

Design criteria for each project shall include, but not limited to, the following sections:

Cover Sheet

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

Governing Design and Construction Specifications and Other References

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

Design Assumptions and Design Exceptions

All design assumptions and design exceptions received must be included in this section along with supporting documents.

General Information

The general information as listed below should be included in this section:

- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

Hydraulic Design Criteria

All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

Design Factors

The ductility factor Γ_D , redundancy factor Γ_R , and operational importance factor Γ_I shall be listed in this section.

Design Loads

All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

Limit States

All applicable limit states for this project shall be listed in this section.

- **Bridge Barrier Railing**
The design criteria, types, and test levels for bridge barrier railing shall be listed in this section. Standard plans should be listed if they are utilized.
- **Guardrail**
The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans should be listed if they are utilized.
- **Approach Slab**
Design criteria for approach slab shall be included in this section. Standard plans should be listed if they are utilized.
- **Deck and Deck Drainage**
All design criteria for deck and deck drainage design shall be included in this section. Standard plans should be listed if they are utilized.
- **Bearing**
All bearing types and design criteria for each bearing type shall be included in this section. Standard plans should be listed if they are utilized.
- **Joint**
All joint types and design criteria for each type shall be included in this section. Standard plans should be listed if they are utilized.
- **Superstructure**
All superstructure types and design criteria for each type shall be included in this section. Standard plans should be listed if they are utilized.
- **Substructure**
All substructure types and design criteria for each type shall be included in this section. Standard plans should be listed if they are utilized.
- **Piles and Drilled Shafts**
All pile types, sizes, and structural design criteria shall be included in this section. Standard plans should be listed if they are utilized.
- **Geotechnical Design**
All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans should be listed if they are utilized.
- **Mechanical Design**
All mechanical design criteria shall be included in this section if applicable. Standard plans should be listed if they are utilized.
- **Electrical/Lighting Design**
All electrical design criteria shall be included in this section if applicable. Standard plans should be listed if they are utilized.

- **As-Designed Bridge Rating Criteria**
All as-designed bridge rating criteria shall be included in this section.
- **Software**
All software used for design and check shall be included in this section.

Project No.:
Project Name:
Bridge Task Manager:

[illegible]

APPENDIX H—CONSULTANT PROJECT BRIDGE DESIGN KICK-OFF MEETING AGENDA CHECKLIST

A kick-off meeting with the Consultant's bridge design team shall be initiated by the LADOTD Bridge Design Task Manager once the project is awarded. The meeting agenda shall include, but not be limited to, the following items:

- Introduce LADOTD Bridge Task Manager and the Consultant's Key Team Members (The Supervisor or Team Leader and Key Designers/Design Checkers/Reviewers)
- Discuss Consultant's Staffing Plan and Implementation of QC/QA Plan Document
(The staffing plan should include names and responsibilities of the designers, detailers, checkers, reviewers, and the EOR.)
- Determine Schedules for Project Submittals
(Design Criteria, TS & L, 30%, 60%, 90%, 100% of Preliminary Plans and Final Plans, Final Calculations, etc.)
- Share Expectations and Consultant Rating Criteria
(Consultant rating will be performed for all project submittals shown on the project submittal schedule.)
- Discuss Design Criteria
- Discuss Budget, Supplemental Requests, Invoices, and Importance of Avoiding Claims (Staff shown on invoices will be reviewed in accordance with the staffing plan.)

APPENDIX K—CONSULTANT SUBMITTAL REVIEW CHECKLIST

Items	Submittals												
	Design Criteria	TS&L	30% PP	60% PP	90% PP	100% PP	30% FP	60% FP	90% FP	100% FP	Final Calculation Book	Plan Revisions	Change Orders
Consultant Submittal QC/QA Certification			R	R	R	R	R	R	R	R	R	R	R
Design Criteria	C												
TS&L		C											
Bridge Index			D	D	D	D	D	D	C	S			
General Notes			D	D	D	D	D	D	C	S			
Summary of Estimated Quantities			D	D	C	C	D	D	C	S			
General Plans			D	D	C	C	C	C	C	S			
Typical Sections			D	D	C	C							
Super-elevation Diagram				D	D	C	C	C	C	S			
Construction Phasing Details				D	D	C	C	C	C	S			
Traffic Controls Details				D	D	C	C	C	C	S			
Foundation/Pile Layout				D	D	C	C	C	C	S			
Pile Loads/Details					D	D	D	C	C	S			
Pile Data Tables							D	D	C	S			
Bent Details							D	D	C	S			
Fender Details							D	D	C	S			
Girder Details							D	D	C	S			
Span Details							D	D	C	S			
Joint Details								D	C	S			
Bearing Details								D	C	S			
Approach Slab								D	C	S			
Guardrail Details								D	C	S			
Bridge Barrier/Railing Details								D	C	S			
Bridge Drainage Details								D	C	S			
Detour Bridge Details								D	C	S			
Revestment Details								D	C	S			
Signing/Lighting Details								D	C	S			
Year Plate								D	C	S			
Rebar Support								D	C	S			
Misc. Details								D	C	S			
Project Specific Standard Plans								D	C	S			
Electrical/Lighting Details								D	C	S			
Mechanical Details								D	C	S			
As-Built Plans								D	C	C			
Special Provisions/NS-Items							D	D	C	C			
Cost Estimate					D	D	D	D	C	C			
Final Calculations											S		
Revised Plans/Calculations												S	S

Legends:

"R" – The item is required and shall be included in the submittal.

"C" – The item shall be complete and shall be included in the submittal.

"D" – The item shall be in development and shall be included in the submittal.

"S" – The item is stamped by the EOR and shall be included in the submittal.

Final Calculation Book Checklist

The final calculation book for each project shall include, but not limited to, the following sections:

— **Cover Sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of “Final Calculation Book”
- The EOR’s seal with signature and date

— **Final Calculation Book Check List**

— **QC/QA Certifications**

— **Peer Review Resolution Agreement (if peer review is performed)**

— **Design Criteria**

— **Final Hydraulic Analysis Report from Hydraulic Engineer**

— **Final Geotechnical Analysis Report from Geotechnical Engineer**

— **Superstructure Design Calculations**

— **Substructure Design Calculations**

— **Quantity Calculations**

— **Special Provisions/NS-Items**

— **Construction Cost Estimate**

— **As-Designed Rating Report**

— **List of All Final Electronic Design Files and File Locations (ProjectWise directory name)**

Consultants shall submit the final calculation book to LADOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder and include the following information:

— **A PDF File of the Calculation Book**

— **All Electronic Design Files**

— **A PDF File of the As-Designed Rating Report Only**

QA Information Package Checklist

Project No.:

Project Description:

Calculation Book

Plans

Special Provisions

Cost Estimate

Other Documents _____

QC/QA Certification

Project No.:

Project Name:

We, the undersigned designers, detailers, checkers and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for the project. We certify that the work for which we are responsible has been completed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	PE Registration No.	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
EOR						

Consultant Submittal QC/QA Certification

Project No.:

Project Name:

I, the undersigned Supervisor or Team Leader for this project, certify that the information included in this submittal has been prepared in accordance with the QC/QA plan documents and LADOTD Bridge Design Section policy on QC/QA and the information presented is accurate and meets the requirements of this submittal. All CAD drawings meet LADOTD CAD standards.

Submittal Description

Supervisor or Team Leader Name

Signature

Date

22. SUB-CONSULTANT INFORMATION:

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
 T. Baker Smith, LLC	17927 Old Jefferson Highway Prairieville, LA 70769	TJ Stokes, PE TJ.Stokes@tbsmith.com	985.302.0728
 Jacobs Engineering Group Inc.	3867 Plaza Tower Drive, Baton Rouge, LA 70816	Stefan Bourgeois, PE stefan.bourgeois@jacobs.com	337.351.4555
 Thompson Engineering, Inc., of Louisiana	4937 Hearst Street, Suite 1B Metairie, LA 70001	Donovan P. Duffy, PE dduffy@thompsonengineering.com	504.885.9892
 Ardaman & Associates, Inc.	316 Highlandia Drive Baton Rouge, LA 70810	Robert Jewell RJewell@ardaman.com	225.666.4598
 The Lakvold Group LLC	4520 Jamestown Avenue, Suite 6 Baton Rouge, LA 70808	Angela Lemoine-Lakvold angie@thelakvoldgroup.com	225.248.9984
 C&M Associates, Inc. of Texas	17304 Preston Road Suite 831a Dallas, TX 75252	Carlos Contreras cmcontreras@candm-associates.com	214.245.5300
 The Hawthorne Agency, Inc.	615 Baronne Street, Suite 200 New Orleans, LA 70113	Geneva W. Coelman gcoleman@hawthorneagency.com	504.488.6100

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.

