

40

Feasibility Studies
Completed in 10 Years

64

Parishes Served

700+

Employees Across the
Company

50+

Employees in Louisiana

July 28, 2026

PROPOSAL

Engineering and Related Services

IDIQ CONTRACTS FOR ENVIRONMENTAL SERVICES STATEWIDE

Contract Nos 4400035710 & 4400035711

Project Manager

Maria Bernard Reid
maria.reid@neel-schaffer.com
225.924.2815



View of Mississippi Bridge Ridge from LA State Capitol

Sections **1-11**

IDIQ CONTRACTS FOR ENVIRONMENTAL SERVICES STATEWIDE

Contract Nos 4400035710 & 4400035711



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	IDIQ CONTRACTS FOR ENVIRONMENTAL SERVICES STATEWIDE
2. Contract Number(s) as shown in the advertisement	4400035710 & 4400035711
3. State Project Number(s) , if shown in the advertisement	N/A
4. Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	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: **July 28, 2026**

FIRM	FIRM PERCENT
N/A	0%

We have experience providing the services included in this contract. This image is taken from H014034 I-69 Stage 0 projects. We applied for a grant which was awarded to DOTD in the amount of \$22 Million for this project in 2024. In 2023 we completed the Stage 0 for this project which included:

- Traffic and Safety Layouts
- Determined ROW and C of A
- Determined Bridge Type, Size and Location
- Determined Major Drainage Crossings
- Cost Estimates
- Checklists (Scope and Budget, Environmental and Structural Site Survey)
- Stakeholder Outreach
- Stage 0 Report



Sections 12-15

IDIQ CONTRACTS FOR ENVIRONMENTAL SERVICES STATEWIDE

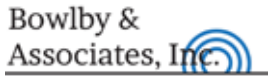
Contract Nos 4400035710 & 4400035711

12. DISCIPLINE TABLE:

Discipline(s)	% of Overall Contract	Neel-Schaffer, Inc.	Providence Engineering and Environmental Group LLC	Bowlby & Associates, Inc.	The Lakvold Group LLC	Each Discipline must total to 100%
ENVIRONMENTAL	65%	50%	25%	15%	10%	100%
ROAD	10%	100%	0%	0%	0%	100%
BRIDGE	5%	100%	0%	0%	0%	100%
TRAFFIC	20%	100%	0%	0%	0%	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%	67.50%	16.25%	9.75%	6.50%	



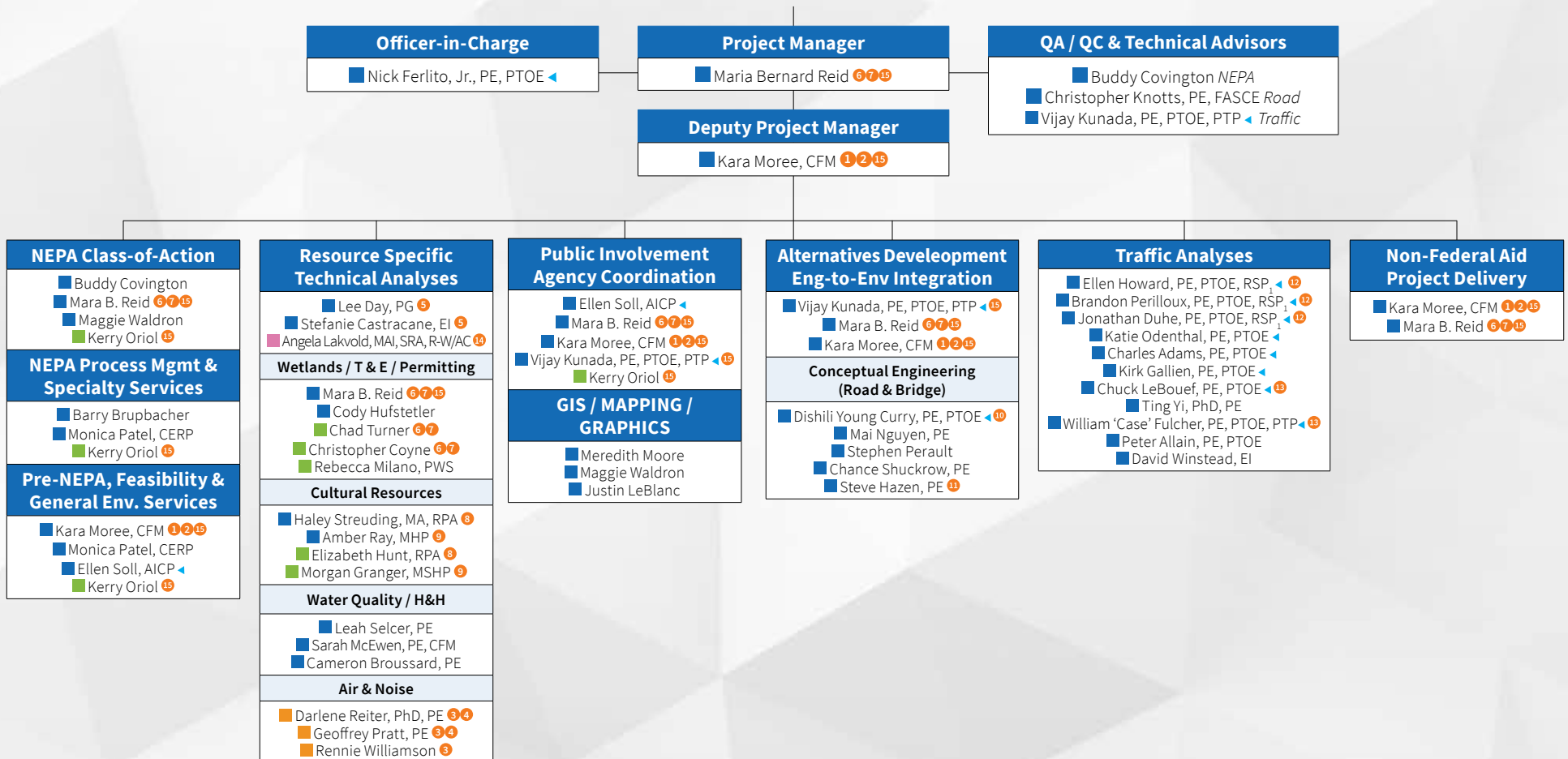
13. FIRM SIZE:

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	6	16
	Engineer	13	62
	Engineer Intern	2	10
	Planner	1	6
	Environmental Pro	2	6
	Environmental Manager	2	2
	GIS Analyst	3	4
	Geologist	1	3
	Historian	1	1
	Archaeologist	1	1
	Supervisor – Other	1	5
	Senior Technician	1	3
 Providence Engineering and Environmental Group LLC	Environmental Manager	1	1
	Biologist/Wetlands	3	5
	Archaeologist	1	4
	Historian	1	1
 Bowlby & Associates, Inc.	Environmental Manager	1	1
	Environmental Pro	2	2
 The Lakvold Group LLC	Other (Appraiser)	1	1



14. ORGANIZATIONAL CHART:

LEGEND	
■	Neel-Schaffer, Inc.
■	Providence Engineering and Environmental Group LLC
■	Bowlby & Associates, Inc.
■	The Lakvold Group LLC
#	MPR Designation
◀	TEPR Certified



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	Kara Moree, CFM	Neel-Schaffer, Inc.	N/A	N/A	N/A
2	Kara Moree, CFM	Neel-Schaffer, Inc.	N/A	N/A	N/A
3	Darlene D. Reiter, Ph.D., PE	Bowlby & Associates, Inc.	PE No. 101738 - N/A	TN	7/31/2028
3	Geoffrey Pratt, PE	Bowlby & Associates, Inc.	PE No. 109132 - N/A	TN	1/31/2027
3	Rennie Williamson	Bowlby & Associates, Inc.	N/A	N/A	N/A
4	Darlene D. Reiter, Ph.D., PE	Bowlby & Associates, Inc.	PE No. 101738 - N/A	TN	7/31/2028
4	Geoffrey Pratt, PE	Bowlby & Associates, Inc.	PE No. 109132 - N/A	TN	1/31/2027
5	Lee Day, PG	Neel-Schaffer, Inc.	PG No. 357	LA	12/9/2026
5	Stefanie Castracane, EI	Neel-Schaffer, Inc.	EI No. 30464	LA	9/30/2027
6	Maria Bernard Reid	Neel-Schaffer, Inc.	N/A	N/A	N/A
6	Chad Turner	Providence Engineering and Environmental Group LLC	N/A	N/A	N/A
6	Chris Coyne	Providence Engineering and Environmental Group LLC	N/A	N/A	N/A
7	Maria Bernard Reid	Neel-Schaffer, Inc.	N/A	N/A	N/A
7	Chad Turner	Providence Engineering and Environmental Group LLC	N/A	N/A	N/A
7	Chris Coyne	Providence Engineering and Environmental Group LLC	N/A	N/A	N/A
8	Haley Streuding, RPA	Neel-Schaffer, Inc.	RPA No. 32026903	N/A	N/A
8	Elizabeth Hunt, RPA	Providence Engineering and Environmental Group LLC	RPA No. 17020	N/A	N/A
9	Amber Ray, MHP	Neel-Schaffer, Inc.	N/A	N/A	N/A
9	Morgan Granger, MSHP	Providence Engineering and Environmental Group LLC	N/A	N/A	N/A
10	Dishili Young Curry, PE, PTOE	Neel-Schaffer, Inc.	PE No. 33723- Civil	LA	9/30/2026
11	Steve Hazen, PE	Neel-Schaffer, Inc.	PE No. 18087 - Civil	LA	3/31/2027
12	Ellen Howard, PE, PTOE, RSP ₁	Neel-Schaffer, Inc.	PE No. 38207- Civil PTOE No. 3735	LA	3/31/2028 12/9/2028
12	Brandon Perilloux, PE, PTOE, RSP ₁	Neel-Schaffer, Inc.	PE No. 39968 - Civil PTOE No. 4432	LA	3/31/2028 3/18/2027
12	Jonathan Duhe, PE, PTOE, RSP ₁	Neel-Schaffer, Inc.	PE No. 41047 - Civil PTOE No. 4418	LA	3/31/2027 3/18/2027



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
13	Case Fulcher, PE, PTOE, PTP	Neel-Schaffer, Inc.	PE No. 45329 - Civil	LA	9/30/2027
13	Charles LeBoeuf, PE, PTOE	Neel-Schaffer, Inc.	PE No. 42854 - Civil	LA	3/31/2027
14	Angela Lakvold, MAI, SRA, R-W/AC	The Lakvold Group LLC	N/A	N/A	N/A
15	Maria Bernard Reid	Neel-Schaffer, Inc.	N/A	N/A	N/A
15	Kara Moree, CFM	Neel-Schaffer, Inc.	N/A	N/A	N/A
15	Vijay Kunada, PE, PTOE, PTP	Neel-Schaffer, Inc.	PE No. 32145 - Civil	LA	3/31/2028
15	Kerry Oriol	Providence Engineering and Environmental Group LLC	N/A	N/A	N/A



Neel-Schaffer has a long history of providing various services to DOTD through retainer / IDIQ type contracts. Since 2004, we have been selected by DOTD for the following retainer / IDIQ contracts to perform traffic engineering, safety, Stage 0, and ITS services. These selections prove a strong and successful partnership between DOTD and NSI.

700-99-0332	Retainer Contract for Traffic Signal Study and Design (2004-2010)
700-99-0447	Retainer Contract for Traffic Signal Study and Design (2009 – 2013)
4400000691	Retainer Contract for Signal Timing Studies, Districts 61, 62 & 02 (2010-2014)
4400001777	Retainer Contract for Signal Timing Studies, Statewide (2010 – 2014)
4400001583	Retainer Contract for Safety Studies, Statewide (2012 – 2015)
4400002630	Retainer Contract for Traffic Engineering (2012-2015)
4400004064	Retainer Contract for Traffic Engineering (2014 – 2017)
4400004402	Retainer Contract for Safety Studies, Statewide (2014 – 2017)
4400004712	Retainer Contract for Traffic Signal Engineering (2014 – 2017)
4400004829	Retainer Contract for District 02 Traffic Signal Inventory (2014 – 2017)
4400004909	Retainer Contract for Stage 0 Studies, Statewide (2014 – 2017)
4400008851	Retainer Contract for Traffic Signal Engineering (2016 – 2019)
4400010504	Retainer Contract for Safety Studies, Statewide (2017 – 2022)
4400013850	IDIQ Contract for Design of Safety Projects, Districts 02, 61 & 62 (2019 – 2024)
4400015258	IDIQ Contract for Stage 0 Studies (2019 – 2024)
4400016364	IDIQ Contract for ITS Design and Implementation Services, Statewide (2020 - 2025)
4400023689	IDIQ Contract for Safety Studies, Statewide (2022 – 2027)
4400024927	IDIQ Contracts for Roadway Design Services (2023 – 2028)
4400025298	IDIQ Contracts for Traffic Engineering
4400030715	IDIQ Contracts for Stage 0 Studies (2025 - 2030)

Section 16

IDIQ CONTRACTS FOR ENVIRONMENTAL SERVICES STATEWIDE

Contract Nos 4400035710 & 4400035711

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		Officer-in-Charge		
Experience dates (mm/yy–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 – 12/08	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.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Maria Bernard Reid		Years of relevant experience with this employer	1
	Title		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			Project Manager MPRs 6, 7 & 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).				
01/22 – 04/25		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.				
08/24 – Ongoing		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.				
09/13 - 08/18		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).



16. 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			Deputy Project Manager, Principal MPRs 1, 2 & 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).					
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, 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).



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 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			QAQC/Technical Advisor for NEPA		
Experience dates (mm/yy-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.					
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.					
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.					
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.					
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 .					
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.					



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.
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
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.
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.
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)
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.



16. 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		QAQC/Technical Advisor for Traffic 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).					
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	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		Resource Specific Technical Analyses 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).				
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.



16. 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		Resource Specific Technical Analyses 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).					
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.



16. 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		NEPA		
Experience dates (mm/yy-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.



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		Public Involvement & Agency 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).					
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.



16. 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; MA / 2014 / Nautical Archaeology		
	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 8		
Experience dates (mm/yy-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.



16. 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 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).					
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 Filly 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.



16. 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 ad-vanced 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	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			Wetlands, T&E and Permitting		
Experience dates (mm/yy-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.



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 Analysis MPR 12			
Experience dates (mm/yy-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 Analysis MPR 12		
Experience dates (mm/yy-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 / 03-31-2027; PTOE No. 4418; RSP No. 282			
	Year registered	2016	Discipline	Civil Engineering		
	Contract role(s) / brief description of responsibilities		Traffic Analysis MPR 12			
Experience dates (mm/yy-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.



16. 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 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).				
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 Riv-er 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	William 'Case' Fulcher, PE, PTOE, PTP, RSP _{21B}			Years of experience with this firm/employer	8
	Title	Senior Traffic Engineer			Years of experience with other firm(s)/employer(s)	0
	Degree(s) / Years / Specialization		BS / 2012 / Civil Engineering; MS / 2015 / Civil Engineering			
	Active registration number / state / expiration date		PE No. 45329 / LA / 09-30-2027; PTOE No. 5158 / 11-20-27; PTP No. 786 / 11-20-27			
	Year registered	2021	Discipline	Civil		
	Contract role(s) / brief description of responsibilities		Traffic 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).					
08/20 – Present	I-10 / I-12 College Drive Flyover Design Build, Baton Rouge, LA: Traffic Engineer, Safety Analyst. Provided the safety analysis for the interchange modification report (IMR) and traffic management plan for the proposed changes to the merger between I-12 and I-10 in Baton Rouge.					
06/22 – 10/24	Retainer Contract for Safety Studies, District 03 Safety Investment Plan: 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 and behavioral issues and potential low-cost safety improvements. Four of the locations in this study were identified to focus on bike and pedestrian improvements.					
02/19 – 03/20	Retainer Contract for Safety Studies, District 07 Safety Investment Plan: Analyzed and compared safety countermeasures and analyzed crash history to determine potential infrastructure and behavioral improvements for all modes of transportation. Developed a priority list for future safety projects.					
05/20 – 06/21	Retainer Contract for Safety Studies, District 05 Safety Investment Plan: Traffic Engineer, Safety Analyst. Performed area wide safety screening to identify areas with high potential for safety improvements. Identified potential safety improvements to 76 locations including segments and intersections within LADOTD District 07. These improvements considered all modes of transportation and included sidewalks, crossing improvement, and signal improvements. Prepared a ranked priority list of projects. Coordinated and led project meetings.					
02/18 – 02/19	Retainer Contract for Safety Studies, District 08 Safety Investment Plan: Safety Analyst. Identified potential safety improvements to 72 locations including both segments and intersections within LADOTD District 08. All modes of transportation were considered at each location. Developed an Excel based tool to perform benefit/cost comparisons of safety countermeasures. Prepared a ranked priority list of projects.					
12/19 – 12/20	US 80 Intersection at Bellevue Road Stage 0 / Feasibility Study, Bossier Parish, LA: Project Engineer. Performed traffic data collection, safety analysis, and traffic operational analysis.					
01/17 – 04/19	LA 385 Ryan Street Feasibility Study, Lake Charles, LA: Performed data collection, traffic engineering, and transportation planning services for a feasibility study to determine safety and operational improvements for approximately 1.8 miles of LA 365 in Lake Charles, LA. Services included traffic volume forecasts, intersection and segment analysis, alternative development, and identifying potential safety countermeasures.					
02/17 – 02/18	US 190 & US 171 Signal Timing Study, DeRidder, LA: Provided traffic engineering services including both the development and implementation of traffic signal timing plans for ten signals in DeRidder.					
02/20 – 10/21	I-59 at US 49 PEL Study, Forrest County, MS: Traffic Engineer, Safety Analyst. Provided the safety analysis for both existing and future expected conditions. Assisted with traffic engineering services.					
04/19 – 12/19	District 07 Traffic Signal Timing Upgrade, Lake Charles, LA: Provided traffic engineering services to upgrade the signal timings and coordination at five intersections along LA 14.					



01/20 – 09/21	Mississippi State University Master Plan Update, Starkville, MS: Transportation Planner. Services included identifying improvements to existing vehicular and pedestrian circulation, identifying new beneficial connections, determining areas of parking need, identifying potential new parking locations.
02/21 – 09/21	Transportation Plan for Starkville, Mississippi State University, and Oktibbeha County, MS: Traffic Engineer, Transportation Planner. Provided a regional transportation plan to provide guidance to all governmental entities for a coordinated effort to improve all modes of traffic in the area. Services included traffic volume forecasts, intersection and segment analysis, and alternative development.
03/19 – 01/19	District 08 Traffic Signal Timing Upgrade, Natchitoches, LA: Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at four intersections along LA 1 / LA 6.
9/21 – 04/22	Retainer Contract for Safety Studies, District 61 Safety Study, LA: Safety Analyst. Performed area wide safety screening and crash analysis to identify areas with high potential for safety improvements. Identified potential safety improvements to 9 intersections within LADOTD District 61, considering all modes.
06/21 – Ongoing	District 6 Emergency Signal and ITS Repair, Hancock and Harrison Counties, MS: Traffic Engineer. Performed signal inventories and prepared signal design sheets and quantity takeoffs.
09/20 – Ongoing	MOVEBR College Drive Enhancements, Baton Rouge, LA: Safety Analyst. Performed crash analysis along College Drive in the vicinity of I-10 to determine potential safety issues and develop safety improvement recommendations where feasible.
10/21 – Ongoing	MOVEBR Harding Boulevard at Interstate I-110, Baton Rouge, LA: Safety Analyst. Performed crash analysis along Harding Boulevard in the vicinity of I-110 to determine potential safety issues and develop safety improvement recommendations where feasible.
01/17 – 05/17	US 80 Traffic Control Signal Upgrade, Shreveport, LA: Engineer Intern. Prepared signal design sheets and signal timings for the upgrade of 20 signals along US 80.
05/25 - 12/25	West Jackson Corridor Planning Study, Oxford, MS: Traffic Engineer/Safety Analyst. Collected and analyzed traffic and crash data to determine existing areas with a potential for operational or safety improvement. This included crosswalks, sidewalks, intersections, and segments. Alternatives were considered that included both infrastructural and behavioral improvement.
12/17 – 06/18	Move Ascension LA 1 / LA 3089 Signal Timing and Synchronization, Donaldsonville, LA: Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at six intersections along LA 1 / LA 3089 including updated signal design sheets.
Career History	Mr. Fulcher joined Neel-Schaffer in 2017 after working as a graduate research/teaching assistant for the Mississippi State University Department of Civil and Environmental Engineering. Since joining Neel-Schaffer, he has provided a variety of traffic data collection and safety analysis studies and services. Mr. Fulcher has extensive experience in corridor and intersection safety studies. Through the evaluation of crash history, roadway geometrics, and traffic volumes, he evaluates known infrastructural and behavioral countermeasures to provide a ranked list of recommended improvements/actions. Mr. Fulcher has held a Road Safety Professional 2 Infrastructure (No. 147) and Behavioral (No. 33) certificate since July 2023. He also has significant experience in traffic forecasting, modeling, and analysis using CORSIM, HCS, Vistro, Synchro, ISATe, IHSDM, and TruTraffic for corridor and intersection studies for both public and private clients. His experience includes traffic signal design, traffic signal coordination, traffic signal timing, traffic impact analyses, transportation planning, and transportation safety planning. Mr. Fulcher has held a Professional Traffic Operations Engineer (No. 5158) and Professional Transportation Planner (No. 786) certificate since November 2021.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Ronald Kirk Gallien, PE, PTOE		Years of experience with this firm/employer	2
	Title	Senior Project Manager		Years of experience with other firm(s)/employer(s)	36
	Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 23428 / LA / 09-30-2027; PTOE No. 1288		
	Year registered	1989	Discipline	Civil	
	Contract role(s) / brief description of responsibilities		Traffic 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).				
02/20 – Present	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. Gallien provided TMP review.				
08/20 – Present	I-10 & I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA: Project Engineer for Interchange Modification Report, Transportation Management Plan 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. The project also includes signal design.				
6/22 – Present	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. Traffic and TMP support.				
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.				
1994 – 2007	DOTD District 05 – District Traffic Operations Engineer - Performed numerous traffic studies and composed numerous traffic engineering reports regarding traffic control such as traffic signal installations and modifications, signing, pavement markings, and establishing speed limits. - Annually investigated and analyzed existing traffic control devices at locations identified as having a high potential for safety improvement and recommended and implemented modifications to improve traffic flow and safety at these locations. - Coordinated and supervised upgrading all traffic signals (approximately 275) in District 05 from electromechanical to electronic controller operations. - Worked closely with private developers and public entities regarding access to proposed developments to ensure conformance with DOTD standards - Completed construction lay-out of pavement markings on numerous highway construction projects, including centerline passing/no passing zone markings on overlay projects. - Served as the legal expert in traffic engineering for District 05, and responded to interrogatories and requests for production, gave depositions, and testified in court				



1994 – 2007	DOTD District 05 – District Traffic Operations Engineer Continued: Projects: • Computerized Traffic Signal System in District 05: Provided technical assistance to the consultant during design of the project as well as construction personnel during installation of the field equipment. After completion of the project, implemented and used the computerized traffic signal system to manage traffic operations on US 165. • I-20 Elevated Section Rehabilitation Ouachita Parish: Provided technical assistance regarding interstate lane closures and traffic control during design and construction of the project. • I-20 Mississippi River Bridge Modifications: Provided technical assistance regarding interstate lane closures and traffic control during design and construction of the project.
2007 – 2014 2018 – 2020	DOTD District 05 – Assistant District Administrator of Operations • Supervised traffic engineering and operations, district-wide roadway maintenance, bridge inspection and maintenance, and roadside development activities in District 05. • Reviewed traffic impact studies and reviewed and approved access connection, utility, and project permits in District 05. • Planned, managed, and directed all emergency response activities in District 05, which included emergency response, repairs, and recovery related to hurricanes, flooding, tornados, and winter weather.
2014 – 2018 2020 – 2022	DOTD Headquarters – Assistant Secretary of Operations • Completed traffic studies and prepared written Traffic Engineering reports. Specific duties of traffic engineering studies included compiling filed data, performing peak period observations, performing analyses, QA/QC of field data and analyses, forming conclusions and recommendations based on the results of analyses, and preparation of technical reports. Studies included developments such as a 600–student middle school, a 400–student charter school, commercial subdivision, and a 650–unit student housing facility near Louisiana Tech University. Traffic studies and Traffic Engineering written reports also included modifications to existing traffic control devices such as traffic signal installations and modifications, signing, and pavement markings. • Compiled field data and assisted with analysis of data and preparation of a written report to create a District 05 Safety Investment Plan for DOTD District 05, 4400010504, Task Order No. H.014295.1. This included analysis of crash data, determination of crash patterns, determination of appropriate safety countermeasures, benefit/cost analyses, compilation of results and compilation of recommended safety improvements for 32 state and local segments as well as 99 state and local intersections. • Prepared Level 4 Transportation Management Plan for the I-10 and I-12 College Drive Flyover Design Build project, H.013897.6. Preparation of the plan included identifying the scope, goals, and constraints of the project, performing traffic and safety analyses, and assessing detour routes to effectively manage traffic during the project. Assisted with developing plans for stakeholder and public involvement during the project as well as the development of plans for maintenance of traffic, temporary traffic control, and work zone management strategies to be implemented during the project. • For the Garrett Road–Kansas Lane Connector project, H.007300, assisted in preparation of a Level 4 Transportation Management Plan. Assisted with designing temporary traffic control and temporary traffic signal construction and operations required for the project. Reviewed plans and performed QA/QC for temporary and permanent traffic control throughout the entire project limits.
Certifications	Traffic Engineering Process and Report (Modules 1, 2 & 3) – DOTD Safety Inspection of In–Service Bridges – National Highway Institute National Incident Management System – FEMA Crash Investigation and Reconstruction – Northwestern University



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Charles Adams, PE, PTOE		Years of experience with this firm/employer	16
	Title	Senior Project Engineer		Years of experience with other firm(s)/employer(s)	14
	Degree(s) / Years / Specialization		BS / 1992 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 27440 / LA / 09-30-2027; PTOE No. 878		
	Year registered	1997	Discipline	Civil	
	Contract role(s) / brief description of responsibilities		Traffic 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).				
01/23 – Present	Wemple Road & Innovation Drive Study, Bossier, LA: NSI performing a traffic evaluation to determine whether a new N/S road would be justified between Wemple Road and Innovation Drive. Mr. Adams is performing the study and analyzing the impact on the surrounding intersections. Project Manager.				
10/22 – Present	East-West Connector (Winfield Road Congestion Relief): NSI Performing a Traffic Study and Line and Grade for a new east-west corridor through Bossier Parish. Charles is overseeing the Traffic Study portion of the project and all intersection analyses for the four major intersections. Project Engineer.				
08/20 – Present	I-10 & I-12 College Dr. Flyover Ramp, Baton Rouge, LA: NSI is performing IMR, TMP, preliminary design, final design, review of TTC plans, and signal design. Charles is reviewing all TTC plans and developing preliminary signal plans.				
02/18 – Present	Kansas Lane-Garrett Road Connector, Monroe, LA: NSI performing TMP for project as well as developing temporary signal design plans, developing permanent signal design plans, and developing fiber plans to relocate impacted fiber. Charles is preparing the TMP and all signal design plans. Project Manager.				
12/17 – Present	South City Parkway Extension, Lafayette, LA: This project will construct a new 1.7 – mile, 4 lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. The roadway and drainage design are being completed in conformance with LADOTD guidelines. Includes 5 multilane roundabouts. Charles is providing the Traffic Control Plans.				
07/16 – Present	I-49 at Verot School Rd, Lafayette, LA: NSI is preparing design plans and reviewing the TTC plans and the TMP. Mr. Adams is reviewing the TTC plans and developing the TMP for the project.				
08/12 – 03/19	LA 1026 (Juban Rd) Widening, Livingston Parish, LA: Highway widening project with roundabouts. Prepared TCP				
12/17 – Present	Southcity Parkway Extension, Lafayette, LA: This project will construct a new 1.7 – mile, 4 lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. The roadway and drainage design is being completed in conformance with LADOTD guidelines. Includes 5 multilane roundabouts. Charles is providing the Traffic Control Plans.				
08/08 – 08/12	LA 33 Roundabout Study, Ruston, LA: NSI provided a completed Traffic Study related to the proposed roundabouts at LA 33 and I-20 WB off-ramp and I-20 at the I-20 EB off-ramp in Ruston, LA. Sr. Project Manager				
02/22 – Present	W. Broussard Roundabout at Duhon Rd. (LA 724): This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (line and grade).				
11/21 – 12/21	Swan Lake Road Speed Study, Bossier City, LA: NSI performed speed studies along Swan Lake Road from US 80 to Modica Lott Road. Mr. Adams oversaw the analysis and prepared the report of findings. Project Manager.				
10/21 – 05/22	Hurricane Ida Emergency Lighting and Signage Project, New Orleans, LA: NSI performed day inspections of all signs and day and night inspections of all streetlights within Zone 3. Charles coordinated and oversaw all operations of the project as well as participated in inspections along the interstate system.				



08/21 – 12/21	LA 840-6 at Oliver Road, Monroe, LA: NSI performed a traffic study for the intersection to determine whether left turn lane phasing would be appropriate for the Oliver Road approaches. Charles oversaw the analyses for the project. Project Manager.
10/21 – 12/21	Wemple Road at Old Brownlee Road Intersection Safety Study, Bossier City, LA: NSI performed a Safety Study to evaluate the existing conditions of the intersection and to determine whether modifications would be beneficial. Mr. Adams performed all analyses for the study and oversaw the data collection for the project. Project Manager.
05/21 – 08/21	Tulane Avenue Chick-fil-A, New Orleans, LA: NSI performed a Traffic Assessment and circulation assessment for a new Chick-fil-A restaurant in the City of New Orleans. Charles performed analyses, observations and oversaw the circulation assessment. Project Manager.
04/21 – 08/21	Signal Design for Airline Drive and Barclay Blvd, Bossier, LA: NSI developed traffic signal plans for the new intersection of Airline Drive and Barclay Blvd. Charles was the designer and developed signal phasing and timings for the project. Project Manager.
02/21 – 05/21	LA Tech Student Housing Study, Ruston, LA: NSI performed a traffic study for new student housing complex that would serve LA Tech University. Charles performed all intersection analyses for the project. Project Manager
09/20 – 06/21	Venture Global LNG Traffic Study, Plaquemines, LA: NSI performed numerous traffic assessments for a new LNG facility along LA 23 in south Plaquemines Parish. Mr. Adams performed intersection analyses, prepared TTC plans, and reviewed construction sequencing to reduce the impact on the traveling public.
09/20 – Present	W Esplanade Ave at Carrollton Street, Metairie, LA: NSI is preparing preliminary and final signal design plans for the intersection of W Esplanade Ave and Carrollton Street. Mr. Adams is preparing the signal plans. Project Manager.
08/20 – 10/20	St Vincent Avenue at 84th Street, Shreveport, LA: NSI prepared preliminary and final traffic signal plans for the intersection. Mr. Adams prepared preliminary and final signal plans. Project Manager.
11/19 – 07/20	Golden Pass LNG Safety Study, Port Arthur, TX: NSI performed traffic safety assessments along FM 87 for the entrances to the LNG facility as well as developing signing plans and lighting plans for each entrance. Project Manager.
03/19 – 07/19	Remco Drive Extension, Haughton, LA: NSI performed a traffic study to determine feasibility for extending Remco Drive from US 80 to Bodcau Station Road. Mr. Adams performed observations and analyses. Project Manager.
01/19 – 03/20	LA 3 at Walter O Bigby Carriageway, Bossier City, LA: NSI performed Signal and Sign Design. Charles developed signal timings and signal phasing as well as prepared the traffic signal plans for the intersections of LA 3 at Walter O Bigby Carriageway and US 80 at Hamilton Road. Project Manager.
06/18 – 08/18	Linton Road Extension, Bossier Parish, LA: NSI performed traffic study to determine feasibility of extending Linton Road to Fairburn Road. Mr. Adams performed analyses. Project Manager.
06/17 – 03/18	Port Access Improvements, New Orleans, LA: NSI performed extensive analyses and developed alternative accesses from I-10 to the Port of New Orleans. Charles performed observations and analyses.
01/17 – 07/17	TCP for Transmission Line Installations, Terrebonne & Assumption Parishes, LA: NSI prepared TTC plans for numerous installation sites throughout both parishes. Charles developed and prepared all TTC plans. Project Manager.
12/19 – Present	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. Charles performed traffic engineering and public outreach.
Career History	Over the past 30 years, Charles has consistently managed and designed projects for the City of Bossier City as well as for the Bossier Parish Police Jury. During 2008 – 2015 he served as NSI's Shreveport Office manager and continues to maintain the relationships gained from that experience. He has established relationships in the local community and knowledge of the project area. His experience in the area includes Traffic Data Collection, Traffic Signal Timing, Traffic Signal design, Traffic Operations, Traffic Safety, ITS and Transportation Engineering. He manages a wide range of local and regional projects that vary in complexity from developing traffic control plans for major construction projects and traffic signal timing plans to performing roundabout feasibility studies and other traffic related studies for both public and private clients. Prior to joining NSI, Charles was employed by LADOTD as a District Traffic Engineer in the Bossier District and then as the State Traffic Engineer. Mr. Adams is a certified Professional Traffic Operations Engineer and 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 / 03-31-2027; PTOE No. 4528		
	Year registered	2016	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Traffic 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.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Ting Yi, PhD, PE			Years of experience with this firm/employer	5
	Title	Senior Transportation Engineer			Years of experience with other firm(s)/employer(s)	15
	Degree(s) / Years / Specialization		PhD/2008/ Civil Engineering; MS/2004/Civil Engineering; BS/2001/Civil Engineering			
	Active registration number / state / expiration date		PE No. 108975 / TX / 03-31-2027			
	Year registered	2011	Discipline	Civil		
	Contract role(s) / brief description of responsibilities		Traffic 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).					
12/24 - 04/25	2055 Louisiana Long-Range Transportation Plans (LRTP): As modeling task lead, Dr. Yi developed a statewide travel demand model. The new freight model includes generation (in tons), distribution, mode choice and the derivation of freight trucks from TRANSEARCH tonnage information. To validate models, data collection was obtained from multiple sources (DOTD, Google Imagery, 2020 Census, TRANSEARCH) and included Streetlight O-D data. Initial model runs and adjustments were compared with obtained data to validate TDM outputs. She also identified committed projects and used validated TDM and 2050 TRANSEARCH data to develop the final staged improvement programs and short-term projects.					
01/21-07/22	Lafayette (LA) 2050 Metropolitan Transportation Plan: As travel demand task lead, Dr. Yi developed a calibrated and validated TDM. She adjusted modeled input data to reflect existing demographic and land use activities. She analyzed the Streetlight O-D data to get the external-external (EE) trips, external-internal (EI) trips equations and trip length frequency distribution. She adjusted the model parameters to validate the daily model estimated volumes against traffic counts.					
01/23-12/24	2050 Mississippi Statewide Travel Demand Model Update: As travel demand task lead, Dr. Yi developed a calibrated and validated statewide model. She refined the freight network and centroids based on the latest Freight Analysis Framework (FAF 5.0). She updated the freight model using commodity flow data and derived the freight trucks from tonnage information. She also analyzed the Replica O-D data to get the Internal-Internal HBW/HBO/NHB trip length frequency distribution, Auto/Medium Truck/Heavy Truck external-external (EE) trips, external-internal (EI) trips. She adjusted the model parameters to validate the daily model estimated volumes against traffic counts. Dr. Yi identified committed projects and used validated TDM and future FAF data to understand future travel patterns with new improvements.					
10/20 - 03/22	Baton Rouge (LA) 2046 Metropolitan Transportation Plan (MOVE 2046): As modeling task lead, Dr. Yi updated the TDM TAZs, highway network and Transit network using TransCAD through the evaluation of land use/DOTD traffic/CATS Transit data. She also reviewed 2019/2020 Capital Region Transportation Survey (CRTS) report and helped the development of tour based regional model. Dr. Yi used Streetlight O-D data to analyze EE trips, calibrated EI trips equations and trip length frequency distribution. Finally, Dr. Yi developed a calibrated and validated TDM. Following the base model development, Dr. Yi conducted traffic projections and evaluated alternatives using various corridor layouts.					
Career History	Dr. Yi has 20 years of experience in travel demand modeling (TDM using TransCAD), micro simulation model (using VISSIM) and performing complex transportation projection. She has been responsible for the refinement and application of TDM systems to evaluate potential federally funded projects at both the regional and corridor levels in Mississippi, Louisiana, Texas, Illinois and Michigan. She led the development of TDM and micro simulation model for traffic projection, analysis and alternatives recommendations in TxDOT Mobility 35 Plan, Interstate 10 Corridor Study and MDOT Kalamazoo Transportation Study. She also developed toll modeling for the traffic and revenue study in Gordie Howe International Bridge, TxDOT managed lanes projects and NTTA toll roads system.					



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Peter Allain, PE, PTOE		Years of experience with this firm/employer	7
	Title	Senior Traffic Engineer		Years of experience with other firm(s)/employer(s)	37
	Degree(s) / Years / Specialization		BS / 1979 / Civil Engineering; MS / 1988 / Civil-Environmental Engineering		
	Active registration number / state / expiration date		PE No. 20966 / LA / 03-31-2027; PTOE No. 0949		
	Year registered	2021	Discipline	Civil and Environmental	
	Contract role(s) / brief description of responsibilities		Traffic 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).				
02/23 –Present	US 61 @ Victoria Drive Pedestrian Study, Baton Rouge, LA: Engineer. Safety study to identify pedestrian safety countermeasures at a high need location on US 61 in East Baton Rouge Parish, This study identified and analyzed a pedestrian crossing location with a high number of predicted pedestrian crashes and expected use consistent with planned regional multiuse paths along Airline Highway in North Baton Rouge.				
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.				
01/22 – 06/22	US 167: I-10 to Willow Street Roadway Safety Analysis (RSA). 4400010504, Task Order No. H.014959.1. Senior Engineer responsible for conducting existing pedestrian/bike safety analysis within the study, coordinating with stakeholders on RSA meeting and site visit, development of low-cost safety improvements and preparation of the RSA report.				
07/21 – 4/22	District 61 Intersection Safety Studies, 4400010504, Task Order No. H.014684.1. Senior Engineer responsible for quality assurance and control for CAT Scan analysis, countermeasure selection, countermeasure comparison and intersection study reports and recommendations.				
02/19 – 03/20	District 07 Safety Investment Plan, 4400010504, Task Order No. H.013826.1. Senior Engineer responsible for quality assurance and control for CAT Scan analysis, countermeasure selection, countermeasure comparison and intersection study reports and recommendations.				
02/18 – 02/19	District 08 Safety Investment Plan, 4400010504, Task Order No. H.013826.1. Senior Engineer responsible for quality assurance and control for CAT Scan analysis, countermeasure selection, countermeasure comparison and intersection study reports and recommendations.				
LADOTD Experience 1981-2017	Mr. Allain has 36 years of engineering experience working for Louisiana DOTD as a consultant and employee. He contracted as Crash Data Engineer for Louisiana Local Technical Assistance Program for 2 years, assisting local agencies with highway safety issues on local roads. He served as the DOTD Traffic Engineering Division Administrator for 14 years, developing and managing statewide policy, project programming and project design of geometrics, traffic control and access. He served as State Traffic Engineer for 8 years, focusing on policy development and implementation by the nine District Traffic Operations Engineers. He worked as the Hydraulic Structures Engineer for 12 years, designing headwalls, retaining walls, catch basins, and manholes as well as performing hydraulic designs for bridges, culverts and storm sewer systems. He is thoroughly familiar with all aspects of traffic engineering and safety analysis for highway design and operation. He has managed the design of numerous projects including signing, pavement marking, geometrics, and traffic signals. He is knowledgeable of constraints imposed by federal and state statutes and regulations. He has been instrumental in developing many policies, standard plans, and specifications and is thoroughly knowledgeable of federal, state, and local traffic and safety procedures and standards. He has been trained and is technically competent with Syncro, Sidra, ArcMap, Micro Station, and various DOTD traffic engineering and safety software applications. During his time as DOTD Traffic Engineering Division Administrator, he managed 30+ employees of the Traffic Management Section (Section 77) and the Traffic Development Section (Section 27). In this position he functioned as the program manager for the Operations/Traffic Control Program with annual budget of \$15.0 M, and the Operations/Access Management Program with annual budget at \$6.5 M. During his time with DOTD he served as a legal expert in roadway hydraulics, traffic engineering, and accident reconstruction. As legal expert and DOTD representative he responded to legal interrogatories, gave depositions, and testified in court. He assisted in the development of numerous regulations through the Louisiana Administrative Code process on Access Management, traffic operations, speed limits, and outdoor advertising. He testified numerous times at the Louisiana House and Senate Transportation Committees on various traffic engineering issues.				



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	David Winstead, 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 / 2019 / Civil		
	Active registration number / state / expiration date			EI No. 34729 / LA / 09-30-2026		
	Year registered	2024	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Traffic 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).					
06/23 - 07/23	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. David assisted with design-related tasks and with safety analysis using the Crash1 and CAT Scan tools.					
07/23 - 08/23	I-49 South at Verot School Road: Assisting with the design services for the interstate design and service road design (drainage, preliminary and final road design and TMP). 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. This project includes the design of a major bridge crossing at Verot Rd. and I-49 and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. Neel-Schaffer (NSI) is serving as the subconsultant for this project. NSI is designing the interstate mainline and frontage roadways, as well as, designing the drainage along these corridors. NSI is also completing the traffic design and level 3 TMP. Includes a multilane roundabout.					
06/23 - 01/26	US 61 @ Victoria Drive Pedestrian Study, Baton Rouge, LA: Engineer Intern. This study sought to determine and alleviate pedestrian safety issues along the US 61 corridor. Assisted with data collection, operational analysis, and safety analysis along the corridor.					
08/24 - 09/25	LA 621: Realignment @ LA 73, Ascension Parish, LA: 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.					
11/24 - 10/25	Ardenwood Dr Road Diet, Baton Rouge, LA: Engineer Intern. Assisted with operational analysis utilizing the HCS software. Also assisted with safety analysis using CMF Clearinghouse to produce crash reduction estimates.					
06/24 - 10/25	Cedar St Ext at LA 22, Madisonville, LA: Engineer Intern. The focus of this project is to extend Cedar St to a new intersection with LA 22. Assisted with safety analysis utilizing the CARTS safety tool. Also performed operational analysis.					
07/23 - 07/23	MRB South GBR, East Baton Rouge Parish, LA: Student Intern. The project seeks to construct a new bridge over the Mississippi River south of the existing Horace Wilkinson Bridge. Performed safety analysis across several study intersections with the CAT Scan safety tool.					
07/24 - 10/25	D02H Flashing Yellow Arrow Pt2, Houma, LA: Engineer Intern. Assisted in the development of signal plans to include flashing yellow arrow signal heads as well as backplates. Includes both partial rebuilds and full rebuilds.					
06/24 - 08/25	US 190 Corridor Study, Slidell, LA: Engineer Intern. This project seeks to determine and remedy safety concerns along the study corridor. Performed safety analysis utilizing the CARTS safety tool.					
Career History	Mr. Winstead joined Neel-Schaffer in 2023 as a student intern, rejoined in 2024 and has gained experience with several traffic engineering projects throughout the State. Mr. Winstead has completed DOTD’s Traffic Engineering Process and Report (TEPR) training.					



16. STAFF EXPERIENCE

	Firm employed by				
	Name	Steven Hazen, PE		Years of experience with this firm/employer	15
	Title	Senior Engineer		Years of experience with other firm(s)/employer(s)	34
	Degree(s) / Years / Specialization		BS / 1974 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 18087 / LA / 03-31-2027		
	Year registered	1979	Discipline	Civil	
	Contract role(s) / brief description of responsibilities		Conceptual Engineering: Bridge 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).				
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Design Services. This project will widen 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; 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.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: ROUNDABOUT; project will convert existing intersection to single lane roundabout intersection.				
02/22 – Present	W. Broussard Roundabout at Duhon Rd. (LA 724): This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (structural design).				
09/18 – 12/18	I-220 / I-20 Interchange Improvement & BAFB Design-Build Proposal, Bossier Parish, LA: Project Engineer. Design of preliminary roadway drainage and H&H analysis for Musselshell Bayou and its tributaries and HEC-RAS analysis of Red Chute Bayou to check for effect of road embankment on flood stages. Project included both bridges and box culverts. Preliminary design was in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.				
02/10 – 10/11	Off System Highway Bridge Program; Sparks Davis Rd Bridge over Tributary to Buchanan Bayou, Caddo Parish, LA: Project Engineer. Work included HEC-RAS analysis of existing bridge opening and bridge replacement alternative plans. Existing bridge was a three-span concrete bridge, and the recommended alternative was four reinforced box culverts. Inspection and design were in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.				



02/10 – 06/10	Off System Highway Bridge Program; South Lakeshore Drive Bridge over Tributary to Cross Lake, Caddo Parish, LA: Project Engineer. Work included HEC-RAS analysis of existing bridge opening and bridge plans for the proposed replacement of two, 21-ft span concrete bridge. Recommendation was 4 reinforced box culverts. Inspection and design were in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
02/10 – 02/11	Off System Highway Bridge Program; White Springs Bridge over Wallace Bayou, Caddo Parish, LA: Project Engineer for replacement of 2-lane, 164' long bridge. New bridge is a 180' long and 40' wide concrete quad beam bridge with 20' approach slabs. Work included HEC-RAS analysis of bridge opening and bridge plans. Design was in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
11/06 – 12/09	Off System Highway Bridge Program; Country Road Bridge over Garrett Creek, Jackson Parish, LA: Project Engineer. Hydraulic design of Off-system Bridge Replacement in Jackson Parish, using HEC-RAS. Project included design of bridge replacement for a 25 ft x 57 ft timber bridge with four 10x8 reinforced concrete box culverts. Inspection and design were in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
06/06 – 01/08	Off System Highway Bridge Program; Morningside Drive Bridge over Virginia Avenue Ditch, Caddo Parish, LA: Project Engineer. Work included HEC-RAS analysis of bridge opening and bridge replacement alternative plans. Project included the replacement of a 20-ft single span concrete bridge with recommended alternative of two reinforced box culverts or 2 reinforced concrete pipe culverts based on hydraulic and economic analysis. Inspection and design proposals were in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
01/04 – 09/05	US 167 - Jackson Parish; Quitman, Lincoln Parish, LA: Project Engineer responsible for improvements including widening existing 2-lane roadway to a 4-lane roadway with grassed median, performed hydraulic analysis of existing structures and prepared improvements to same and hydraulic design of slab span bridges and culverts for project. Use of HEC-RAS and LADOTD Hydraulics Programs as well as Louisiana Standard Specifications for Roads and Bridges as well as Louisiana DOTD Bridge Design Manuals.
04/02 – 12/04	Environmental Assessment for Tarbutton Road Interchange and Frontage Road; Route I-20, Ruston, LA: Project Engineer evaluated existing bridge structures at LA 544, LA 149 and Tarbutton Road. Prepared schematic design modification or replacement of existing bridges and estimated construction costs. Inspection, review, and design was in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
02/96 – 03/97	Clyde E. Fant Memorial Parkway – Northern Extension Phase IIIA/IIIB Bridge over Cross Bayou, Shreveport, LA: Project Engineer. Design of bridge structures for 632 ft., 4-lane plus median structure across Cross Bayou and a 300 ft., 4-lane grade separation bridge with horizontal and vertical curve. Design utilized both the LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
01/87 – 01/89	US 371 / US 84 Bridge over Red River at Coushatta, LA: Project Engineer responsible for design of steel cross frames and lateral bracing for non-redundant steel plate girders, concrete approach piers designed to withstand barge impacts and voided concrete slab approach span design. Pier design included steel H-pile designed for barge impact and design of concrete tremie seals. Other work included detailing of miscellaneous steel items, quality control of drawings and review of shop drawings. Two designs were provided for the bridge: one being a concrete segmental bridge and the other a steel plate girder bridge. The 2 column approach bents were connected with concrete walls. The project was designed using both the LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
01/83 – 12/85	Boyce-Shreveport Highway; LA 490 to LA 119; Natchitoches Parish, I-49 Section 4: Project Engineer. Assisted in the design of bridge structures at 3 grade separations and several stream crossing bridge structures for 3 rural segments of I-49. Design was in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
Career History	Mr. Hazen joined Neel-Schaffer in 2008 after many years with Demopulos & Ferguson Associates, Inc. Mr. Hazen has worked as a Structural, Hydraulics and Soils Engineer with a primary focus on highway and railway bridges, structural design for buildings, facilities, hydrological analysis and drainage design for projects.



16. 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			Conceptual Engineering: Road 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).					
06/14 - 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	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			Conceptual Engineering: Road		
Experience dates (mm/yy–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	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		Conceptual Engineering: Road			
Experience dates (mm/yy-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.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Stephen Perault			Years of relevant experience with this employer	7
	Title	Senior Technician			Years of relevant experience with other employer(s)	33
	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			Conceptual Engineering: Road		
Experience dates (mm/yy-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).					
08/15 – present	H.011279.1: Stage 0 Feasibility Study LA 328 (Latiolais Drive to Julie Street): Assisted in concept layouts and cost estimate. This project considers multiple alternatives along a 5.5-mile portion of LA 10. includes roundabouts, additional capacity, access management, couplets and more.					
08/15 – 12/16	H.010572.1: Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44) in Ascension Parish for LADOTD: This project included a tiered analysis which analyzed 20 interchange types for the LA 30 and I-10 interchange. Assisted with the geometrics, and cost estimates.					
08/15 – Present	H.011242.1: Stage 0 Feasibility Study and Environmental Inventory for LA 384 (Big Lake Road to McNeese Street) in Calcasieu Parish for LADOTD: Assisted with layouts and cost estimates.					
8/17 – 8/20	US 71 (Barksdale Blvd) Streetscape Improvements Phase 1: Project constructed 1.5 Miles of sidewalk improvements and lighting to DOTD requirements. Plan and Profiles sheets were provided on aerial imagery with DOTD review and approval. Designer					
09/20 – Present	H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA: This project considers multiple alternatives for safety improvements along a 5.5-mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more.					
06/18 – Present	I-49 South at Verot School Road, Lafayette, LA S.P. H.011235.5: This project will construct 2.4 miles of mainline freeway, an interchange at the intersection of I-49 South/US 90 and Verot School Road, and a roundabout. Neel-Schaffer is serving as the subconsultant for this project and designing the mainline and frontage roadways and associated drainage. Neel-Schaffer is also completing the traffic design and TMP. Mr. Perault is assisting in the design and plan production for this project which includes the BNSF railroad crossing overpass at Verot School Road.					
02/20 – 01/22	H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA: This project when combined with the proposed I-69 will provide a connection between Port of Caddo-Bossier and I-49. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines. Assisted with the cost estimates and concept layouts.					
02/20 – 01/22	H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA: This project will provide a connection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and extending existing roadway. Assisted with the cost estimates and concept layouts.					
02/20 – Present	Route I-20, I-20: LA 544 Overpass Replacement, Lincoln Parish, LA: Mr. Perault is assisting in the design and plan production for this project. This project begins North of the LA 544 and Woodward Avenue intersection and ends South of LA 544 and Gains Avenue intersection. It will replace the LA 544 Overpass diamond interchange with a double roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts.					
01/19 – 12/19	LA 73 (Old Jefferson Highway) Turn Lanes, Ascension Parish, LA: This project constructed turn lanes at multiple locations along LA 73 in Ascension Parish. Mr. Perault is assisted with the design and plan production for this project. The design was completed in accordance with LADOTD guidelines.					



11/19 – Present	IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62): This project will provide low-cost 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. Perault has assisted with the roadway plan production and design for these projects. 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.
Career History	Mr. Perault has almost 40 years' experience in roadway design which includes the design of interchanges, new urban and rural roadways, widening for existing corridors, intersection improvements, as well as over 25 roundabout projects. He has completed work for State, Parishes and industry. His project experience at LADOTD includes: US 190: Roundabout at Eden Church RD. S.P. H.000466: Project included a 3-legged Roundabout at the intersection of US 190 and Eden Church Rd. Responsible for the design and development of preliminary and final roadway plans, and prepared the construction cost estimate. LA 637: Port of S. Louisiana Connector S.P. H.008322: Responsible for the design and development of preliminary and final roadway plans for the widening of LA 637 from 2 to 3 lanes and prepared the construction cost estimate. Existing 3-Lane to Contraband Bayou Bridge S.P. H.003969: Designer of the preliminary and final roadway plans that involved the widening on LA 1138-2 from 2 to 3 lanes and a 3-legged Roundabout at the intersection of Holly Hill Road and LA 1138-2 and assisted with the construction cost estimate. LA 16 Widening, Denham Springs – Watson S.P. 262-02-0023: Designed the roadway for the widening of LA 16 from 2 to 4 lanes. Responsible for the development of preliminary and final roadway plans and prepared construction cost estimate.



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			Water Quality / H&H		
Experience dates (mm/yy-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.



16. 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		Water Quality / H&H			
Experience dates (mm/yy-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 improve 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.



16. 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		Water Quality / H&H			
Experience dates (mm/yy-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.					



16. 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		NEPA / 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	Meredith Moore			Years of relevant experience with this employer	20
	Title	GIS Technician			Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization			BS / 2005 / Architectural Engineering Technology		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			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).					
04/09 - 09/09	Asset Management and GIS Program, Lucedale, MS: Meredith was tasked with designing and implementing both a sanitary sewer GIS system and a potable water GIS system. She also used a Topcon GPS unit to collect sewer manholes, lift stations, water wells, fire hydrants, water valves, water wells, and water tanks. Using old sewer and water maps and the knowledge of City workers, she developed a complete sanitary sewer system and potable water system in GIS. She also was in charge of making a map books for the field workers to use while in the field. The project also consisted of training the City of Lucedale’s Public Works Department on how to use ArcMap and ArcCatalog.					
01/23 - 11/25	BEAM Professional Services, Jackson, MS: Meredith has been assigned to develop a series of geospatial maps that provide BEAM with a comprehensive visualization of broadband infrastructure investments across Mississippi. These maps highlight areas where funding has been allocated, show the locations of existing fiber installations, and delineate distinct project zones throughout the state. In addition to map creation, Meredith is responsible for executing a suite of geoprocessing tools that assist BEAM in identifying regions lacking broadband coverage. She has also conducted detailed spatial analyses to determine where service is most needed, assess the density of project areas, and evaluate tree canopy coverage within those zones—factors that are critical for planning and deployment strategies.					
06/21 - 02/2022	Pavement Management, Greene County, GA: Created a web app to evaluate pavement using the GDOT PACES manual. The web app will give an overall rating score and will allow the user to pick the best pavement preservation. A video log of the existing pavement condition will also be obtained and attached to the centerline of the roadway. The data will be used to illustrate the pavement conditions.					
12/21 - 04/22	Public Works Update, Laurel, MS: Create databases for the stormwater and roadways that will be implemented into Cityworks as part of the City’s Privatization plan.					
05/25 - 12/25	Birmingham ADA Compliance Project: I was tasked with creating a map book that shows the ADA compliant sidewalks for the City of Birmingham. The map consisted of compliant, moderate compliant, and noncompliant priorities. The sidewalks were color coded and mapped out. Then the map book and spreadsheet was generated to be placed in a report.					
02/25 - 12/25	Point Coupee Parish Sign Inventory and Street Assessment: I was tasked with creating an ESRI Fieldmaps file that field workers could collect data and location for every sign within the Parish. I also worked with iWorkQ to create a pavement management plan for the Parish.					
05/25 - 07/25	City of Demopolis, AL Zoning Map Improvements: Tasked with creating the zoning Map for the City of Demopolis and adding any updates that are needed. I also created a City District map. I also created an ESRI ArcGIS Online account for the City and uploading the two maps. Then we created a link on their website so the public can access these interactive maps.					
Career History	Ms. Moore joined Neel-Schaffer in 2006 and provides CADD and GIS services involving water and sewer systems, drainage systems, roadways, recreational facilities. She also provides GIS support to multiple clients, training for the use of ESRI products, develops standard operating procedures for the ESRI applications, runs geoprocessing tools for data analysis, creates applications for data collection and field workers, and works with web designers to embed maps within the clients website for public viewing.					



16. 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 / 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).					
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.					
Career History	Mr. LeBlanc joined Neel-Schaffer in 2012 and has 11 years of experience providing field support and GIS assistance to teams of biologists, engineers, and planners. Initially, he worked to collect GPS data in the field, incorporating and analyzing the data in ArcGIS for use in a variety of report presentations. At this time, he also provided field support for wetland delineations and wildlife habitat surveys. More recently, Justin’s experience involves working closely with teams of engineers and planners to develop data and create maps for various reports. In this role, he is involved in the beginning (data development), middle (mapping the data), and end (creating digital deliverables) of each project. He also frequently provides a background of aerial images to colleagues proficient with MicroStation. Mr. LeBlanc’s areas of expertise include: GIS applications and development, GIS aerial imagery, GPS data collection, Field support for wetland delineations and wildlife habitat surveys.					



16. STAFF EXPERIENCE

	Firm employed by Providence Engineering and Environmental Group LLC					
	Name	Chad Turner			Years of relevant experience with this employer	5
	Title	Director of Natural Resources & Coastal Services			Years of relevant experience with other employer(s)	12
	Degree(s) / Years / Specialization		BS / 2008 / Biological Sciences			
	Active registration number / state / expiration date		5680 / Richard Chinn 38-Hour Wetland Delineation Training			
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities		Biologist/Wetlands MPRs 6 & 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).					
05/09 – 06/13	LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, ENVIRONMENTAL SECTION: Environmental Impact Specialist- Mr. Turner was responsible for NEPA compliance for federal and state transportation projects. His duties included: wetland delineations and reporting; threatened and endangered species surveys and reporting; preparation of in-house Categorical Exclusions and Environmental Assessments; and oversight of third-party NEPA documents and other environmental studies. During his time, Mr. Turner conducted over 100 wetland delineations for a variety of transportation projects, including on- and off-system bridge replacements, road realignments and widenings, and new road construction.					
08/24 – Present	AUCOIN & ASSOCIATES, INC., REPLACEMENT BRIDGE LA 648: DRAIN CANAL BRIDGE SPN. H.011963: Thibodaux, LA. Project Manager- Conducted a wetland delineation, threatened and endangered species survey, and completed a Wetland Findings report for the replacement of the LA 648 bridge over an unnamed drainage canal in Lafourche Parish. Additionally, prepared and submitted a Joint Permit Application to the Louisiana Department of Energy and Natural Resources and the U.S. Army Corps of Engineers.					
01/14 – 09/14	HUVAL & ASSOCIATES, INC, EAST BATON ROUGE PARISH MULTIPLE BRIDGE REPLACEMENTS: Baton Rouge, LA. Wetland Biologist- On behalf of the City of Baton Rouge/Parish of East Baton Rouge Department of Public Works, conducted wetland delineation, threatened and endangered species survey, and completed Wetland Findings Reports for the Morvant Road (1 and 2), Milldale Road, and Port Hudson Pride Road bridges in East Baton Rouge Parish. For each location, prepared and submitted a Pre-Construction Notification to the USACE, New Orleans District for authorization under Nationwide Permit 12.					
06/15 – 09/15	CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE, PECUE LANE/I-10 INTERCHANGE SPN. H.004104: Baton Rouge, LA. Project Manager- Provided wetland delineation, threatened and endangered species survey and reporting for construction of an interchange at I-10 and Pecue Lane adding multiple through lanes on Pecue Lane, entrance/exit ramps on eastbound and westbound I-10. Replacement of two-lane Overpass Bridge and Pecue Lane / Wards Creek bridge, extension to Reiger Road with new intersection at Pecue Lane, and related work. Responsibilities included field investigations, preparation of environmental document, map creation in GIS, and GIS environmental impact analysis.					
02/20 – 09/23	CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE, MOVEBR CAPACITY PROJECT: Baton Rouge, LA. Project Manager- Mr. Turner served as project manager for four MOVEBR transportation projects in East Baton Rouge Parish: Old Hammond Highway Segment 1, Phases A and B (City-Parish Project No. 19-CP-HC-0034); Bluebonnet Boulevard (Perkins Road to Picardy Boulevard) (City-Parish Project No. 19-CP-HC-0034); Highland Road at Siegen Lane Intersection (City-Parish Project No. 20-CP-HC-0004); Sherwood Forest Extension (Greenwell Springs Road to Joor Road) (City-Parish Project No. 20-CP-HC-0014). Service provided included wetland delineations, preparation of Wetland Data Reports/Requests for Jurisdictional Determination, and submittal of Pre-Construction Notifications to the USACE for authorization under Nationwide Permit 12.					
04/24 – 10/24	MORGAN GOUDEAU & ASSOCIATES, INC., EIGHT OFF-SYSTEM BRIDGE REPLACEMENTS ACROSS SIX PROJECTS (H.014986, H.015013, H.015014, H.015015, H.015016, H.015050): Project Manager- Services provided included wetland delineation, threatened and endangered species survey and Wetland Findings Reports.					



05/24 – Present	ATLAS TECHNICAL CONSULTANTS LLC, MRB SOUTH GBR: LA 1 TO LA 30 CONNECTOR SPN H.013284: Iberville Parish, LA. Wetland Project Manager- Providence provided NEPA, wetlands, threatened and endangered species survey, Phase I ESA, and public outreach compliance assistance for the proposed new bridge crossing of the Mississippi River in Iberville Parish, LA. Served as the Wetland Project Manager for the 1,716-acre delineation across 3 proposed alignments. Responsibilities included management of five teams of biologists, coordination with Atlas/DOTD for survey access/landowner permissions, primary Technical Review of Wetland Findings Report, and coordination of a site visit with members of Atlas, LA DOTD, and the USACE.
Career History	CHAD TURNER has natural resource permitting and compliance experience for clients in industrial, commercial, residential, and public sectors. His areas of focus include wetland delineations, analysis, and reporting on 30,000+ acres; U.S. Army Corp of Engineers (USACE) Section 10/404 permitting and compliance assistance (Galveston, Mobile, New Orleans, and Vicksburg Districts); Louisiana Department of Conservation and Energy), Office of Coastal Management Coastal Use Permitting; NEPA Compliance; Louisiana Department of Wildlife and Fisheries (LDWF) Scenic Rivers System Permitting and Oyster Resource Assessments; U.S. Fish and Wildlife Service (USFWS) Section 7 consultations, State Historic Preservation Office (SHPO) Section 106 consultations; threatened and endangered species surveys and reporting; and USACE wetland mitigation bank assessment, reporting, and monitoring. Mr. Turner also specializes in desktop mapping applications, specifically ArcGIS. His GIS experience includes: field data collection with GPS units using Trimble, SonarWiz, and ArcPad systems; data dictionary creation and implementation; field data post-processing and assimilation; basic desktop mapping; desktop analysis of available reference and field-collected data for various client-requested applications; figure creation for use in regulatory permit applications, public meetings and hearings, resource agency meetings, and site visits; and creation of ArcGIS Online web and mobile applications.



16. STAFF EXPERIENCE

	Firm employed by Providence Engineering and Environmental Group LLC					
	Name	Christopher Coyne			Years of relevant experience with this employer	5
	Title	Biologist III			Years of relevant experience with other employer(s)	2
	Degree(s) / Years / Specialization			BS / 2020 / Natural Resource Ecology and Management		
	Active registration number / state / expiration date			8969 / Richard Chinn 38-Hour Wetland Delineation Training		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Biologist/Wetlands MPRs 6 & 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).					
08/21 – 10/21	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM CRAWFORD ROAD / TIGER BRANCH, SPN H.014229.5: Caddo Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the Crawford Road Bridge over Tiger Branch.					
08/21 – 9/21	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM NATION ROAD/ COULEE DURALDE, SPN. H.014220.5: Acadia Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the Nation Road Bridge over Coulee Duralde.					
08/21 – 12/21	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM RUFFIN DRIVE OVER DRAIN TO YOUNGS BAYOU, SPN. H.014232.5: Ouachita Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the Ruffin Drive Bridge over a drain to Youngs Bayou.					
08/21 – 12/21	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM AUGUILLARD ROAD OVER COULEE, SPN. H.014226.5: St. Martin Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the St. Martin Auguillard Road Bridge over an unnamed coulee.					
03/22 – 03/22	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM DOSHIE ROAD OVER CHERRY WINCHE CREEK TRIBUTARY, SPN. H.014263.5: Tangipahoa Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the North Hoover Road Bridge over an unnamed creek.					
09/21 – 12/21	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM RANDALL ROAD OVER YELLOW WATER RIVER SPN. H.014262.5: Tangipahoa Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the Randall Road Bridge over Yellow Water River.					
02/24 – 05/24	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM HALES ROAD BRIDGES SPN. H.014986.5: Richland Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the Hales Road Bridges over Hurricane Creek and an unnamed creek.					
04/24 – 05/24	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM NORTH JOSEPH ST OVER CREEK SPN. H.015016.5: Jefferson Davis Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the North Joseph Street Bridge an unnamed creek.					
04/24 – 04/24	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM STATELINE RD OVER CREEK SPN. H.015014.5: Tangipahoa Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the Tangipahoa Stateline Road Bridge an unnamed creek.					



07/24 – 08/24	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM GRAVOLET ROAD OVER DRAINAGE CANAL SPN. H.015050.5: Plaquemines Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the Gravolet Road Bridge over an unnamed drainage canal.
07/24 – 08/24	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM SIBLEY RD AND CHAPPEPEELA RD BRIDGES SPN. H.015013.5: Tangipahoa Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the Sibley Road Bridge over Morgan Branch and the Chappepeela Road Bridge over Brushy Branch.
07/24 – 10/24	MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM ZEAGLER CUTOFF OVER CREEK SPN H.015015.5: LaSalle Parish, LA. Field Biologist- Conducted a wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the Zeagler Cutoff Bridge over an unnamed creek.
08/24 – Present	AUCOIN & ASSOCIATES, INC., REPLACEMENT BRIDGE LA 648: DRAIN CANAL BRIDGE SPN. H.011963: Lafourche Parish, LA. Field Biologist- Conducted wetland delineation threatened and endangered species survey, reporting, data management for the replacement of the LA 648 bridge over an unnamed drainage canal. Additionally, prepared and submitted a Joint Permit Application to the Louisiana Department of Energy and Natural Resources and the U.S. Army Corps of Engineers.
05/24 – Present	ATLAS TECHNICAL CONSULTANTS LLC, MRB SOUTH GBR: LA 1 TO LA 30 CONNECTOR SPN H.013284: Multiple Parishes, LA. Field Biologist- Providence provided NEPA, wetlands, Phase I ESA, and public outreach compliance assistance for the proposed new bridge crossing of the Mississippi River in Iberville Parish, LA. Role in the project included conducting wetland delineations and threatened and endangered species survey on 3 alignment alternatives covering approximately 1,716 acres, subsequent wetland data reporting, and assisting with Phase I Environmental Site Assessment field surveys.
Career History	CHRIS COYNE has worked as a Biologist with Providence since May 2021. Prior to joining Providence, Mr. Coyne worked as a Biotechnician for the USFWS where he was responsible for Red-cockaded Woodpecker banding/monitoring, rocket-netting and banding of Wood Ducks, mobile acoustical bat monitoring, Gulf Sturgeon sampling, Dusky Gopher Frog monitoring, feral swine control, and wetlands restoration. Mr. Coyne earned a bachelor's degree in Natural Resource Ecology and Management with concentrations in Wildlife Ecology and Management and Fisheries from the School of Renewable Natural Resources at Louisiana State University in May 2020. Mr. Coyne's education and professional experience have exposed him to wetland ecology and management, ecosystem restoration, coastal management and restoration, plant identification, invasive species control, and wildlife biology.



16. STAFF EXPERIENCE

	Firm employed by Providence Engineering and Environmental Group LLC					
	Name		Rebecca Milano, PWS		Years of relevant experience with this employer	1
	Title		Deputy Director of Natural Resources & Coastal Services		Years of relevant experience with other employer(s)	10
	Degree(s) / Years / Specialization			BS / 2016 / Ecology; MS / 2021 / Coastal Sciences		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Biologist/Wetlands		
Experience dates (mm/yy-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).				
12/25 – Present		NORTHWEST LOUISIANA COUNCIL OF GOVERNMENTS (NLCOG), STATE PROJECT NO: H.003915, I-49 INNER CITY CONNECTOR STAGE 1 ENVIRONMENTAL IMPACT STATEMENT: Shreveport, LA. Wetland Scientist- The project scope consists of the preparation of a NEPA Environmental Impact Statement with Interchange Reports. Work entails conducting all necessary engineering and environmental investigation necessary to obtain environmental clearance on construction of an approximately 3.5-mile connector to link the existing I-49 at I-20 to I-49 North at I-220. Providence is the prime consultant leading a team of professionals to accomplish this critical project. Relevant tasks include project management, project team management and coordination, agency and public outreach and coordination, MPO briefings, NEPA document development, including incorporation of work from other team members, and field surveys and technical support document development, including the wetlands finding report, Section 4(f) documents, Conceptual Stage Relocation Plan, and Phase I ESA.				
1/26 – Present		CITY OF ALEXANDRIA, SUGARHOUSE ROAD EXTENSION: Alexandria, LA. Wetland Scientist- The Sugar House Road project purpose was to provide an alternative route for existing and future heavy commercial and industrial truck traffic, which currently use congested residential routes through the City of Alexandria to access federal and regional highways including I-49, US 71, US 165, US 167, LA 28 and LA 1. Providence was contracted to prepare an Environmental Assessment (EA) and Wetlands Findings Report to evaluate alternatives for the design of Sugarhouse Road from I-49 to LA Highway 1. Ms. Milano assisted in the wetland delineation and threatened and endangered species survey.				
11/25 – 12/25		MORGAN GOUDEAU & ASSOCIATES, INC., OFF-SYSTEM HIGHWAY BRIDGE PROGRAM PATRICIA ST. OVER CHALMETTE VISTA CANAL (SP H.015017.5): St. Bernard Parish, LA. Project Manager- This project involved the replacement of the Patricia Street bridge over the Chalmette Vista Canal under LA DOTD's Off-System Highway Bridge Program. Environmental services included wetland delineations, threatened and endangered species reviews, and agency coordination to support project development and permitting. Ms. Milano served as Project Manager, overseeing wetland evaluations, threatened and endangered species assessments, coordination with regulatory agencies, and the preparation of environmental documentation required for project approval.				
2024		CANADIAN NATIONAL (CN), RAILROAD EMERGENCY RAIL INFRASTRUCTURE REPAIRS: Jefferson Parish, LA. Wetland Scientist- Provided environmental compliance and permitting support for emergency repairs to a critical CN Railroad corridor adjacent to the Bonnet Carré Spillway following significant storm-related damage. Conducted field investigations along active rail lines to document existing site conditions and assess impacts associated with completed emergency stabilization and repair activities. Performed forensic WOTUS delineations, wetland assessments, and habitat evaluations to support regulatory compliance and post-construction authorization requirements. Prepared and coordinated after-the-fact permitting documentation for submittal to the USACE and the Louisiana Department of Energy and Natural Resources Office of Coastal Management (OCM). Evaluated jurisdictional resources, documented environmental conditions, and provided technical support to facilitate issuance of federal and state authorizations. Coordinated with railroad personnel, engineers, and regulatory agencies to support timely project compliance while maintaining operation of a critical transportation asset.				



11/17 – 12/17	LA DOTD OFF SYSTEM BRIDGE REPLACEMENTS: Southeast, LA Project Manager- Served as Project Manager for environmental field investigations, permitting, regulatory coordination, and technical reporting associated with multiple LA DOTD Off-System Bridge Replacement projects throughout southeast Louisiana. Managed and conducted WOTUS delineations in accordance with USACE methodology to support project planning, design, and construction. Prepared jurisdictional determination requests and coordinated with regulatory agencies to obtain Approved Jurisdictional Determinations (AJDs), Nationwide Permits (NWP), and No Permit Required determinations. Oversaw field staff, coordinated project schedules and deliverables, and prepared environmental documentation to facilitate regulatory compliance and project advancement.
06/21 – 07/21	LA DOTD OFF SYSTEM BRIDGE REPLACEMENTS – CEDAR CREST AVE. OSB WETLAND DELINEATION SP H.014319: Baton Rouge, LA. Project Manager- Served as Project Manager for wetland delineation, regulatory coordination, and permitting support associated with the Cedar Crest Avenue Off-System Bridge Replacement Project for LA DOTD. Managed desktop environmental reviews and field investigations to identify WOTUS, wetlands, and other jurisdictional features within the project area. Conducted a comprehensive wetland delineation in accordance with USACE guidance and prepared technical documentation to support agency review. Prepared and submitted delineation reports and coordinated with the USACE to obtain a jurisdictional determination. Following identification of jurisdictional aquatic resources within the project limits, collaborated with the client, design team, and USACE project manager to evaluate project modifications that would avoid impacts to regulated resources. Through refinement of project boundaries and implementation of appropriate best management practices (BMPs), the project was successfully redesigned to avoid jurisdictional impacts and obtain a No Permit Required determination, minimizing permitting requirements and potential project delays.
03/20 – 05/20	LA DOTD OFF SYSTEM BRIDGE REPLACEMENT – HARRISON STREET AND COLLIER STREET BRIDGE/DRAINAGE CANAL SP H.013122: Ouachita Parish, LA. Field Staff- Supported environmental investigations for an LA DOTD Off-System Bridge Replacement project involving the replacement of an existing single-span bridge over a concrete-lined drainage canal in Ouachita Parish, Louisiana. Conducted desktop environmental reviews and field investigations to identify wetlands and other aquatic resources within the project area. Performed WOTUS delineation and T&E habitat assessments. Collected and documented vegetation, soils, and hydrology data at field observation points to characterize jurisdictional resources and support evaluation of potential project impacts. Assisted with delineating wetland boundaries, identifying other waters, and assessing anticipated impacts associated with the proposed bridge replacement footprint. Contributed to preparation of environmental documentation supporting LA DOTD environmental review requirements, including Environmental Checklists used to support Categorical Exclusion documentation under the NEPA. Assisted with agency coordination efforts, including development of Solicitation of Views materials and compilation of environmental data from resources such as USFWS IPaC, NRCS Web Soil Survey, FEMA mapping, National Wetlands Inventory, and other federal and state databases.
2023	ENVIRONMENTAL SURVEY FOR 700-MILE NATURAL GAS PIPELINE: Deputy Project Manager- Served as Deputy Project Manager for a large-scale environmental survey program supporting development of a proposed 700-mile natural gas pipeline extending across New Mexico, Texas, and Louisiana. Assisted with planning, coordination, and execution of biological and natural resource surveys to support Federal Energy Regulatory Commission (FERC) permitting and environmental review requirements. Managed multidisciplinary field teams conducting wetland and WOTUS delineations, T&E species habitat assessments, and other environmental investigations across diverse habitats, land uses, and regulatory jurisdictions. Coordinated survey efforts across multiple USACE districts and facilitated communication with landowners, project engineers, and environmental specialists to maintain schedule and data quality objectives. Provided leadership for field staff training, deployment, and QA/QC procedures to ensure consistent data collection methodologies and regulatory compliance throughout the project corridor. Supported logistics planning and execution for a large, geographically dispersed workforce operating across three states and hundreds of miles of linear infrastructure. Successfully completed environmental survey requirements on schedule, providing critical environmental data necessary for project planning and advancement into the FERC permitting process.
Career History	REBECCA MILANO, PWS has ten years of experience in environmental consulting specializing in wetland science and regulatory compliance across southern Louisiana and the Gulf Coast region. As a registered Professional Wetland Scientist, he provides advanced expertise in wetland delineations, U.S. Army Corps of Engineers (USACE) permitting, Waters of the U.S. (WOTUS) evaluations, threatened and endangered (T&E) species assessments, and water quality certifications. She has successfully led complex field investigations and managed multidisciplinary teams while coordinating with federal and state regulatory agencies to advance infrastructure and development projects through the permitting process. Rebecca is recognized for developing practical, compliance-driven strategies that support efficient project delivery for both public and private sector clients.



16. STAFF EXPERIENCE

	Firm employed by Providence Engineering and Environmental Group LLC					
	Name		Kerry Oriol		Years of relevant experience with this employer	26
	Title		NEPA Project Manager		Years of relevant experience with other employer(s)	11
	Degree(s) / Years / Specialization			BS / 1989 / Fish & Wildlife Biology		
	Active registration number / state / expiration date			N/A		
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Environmental Manager 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).					
03/02 – 01/08	FUTURE I-49 SOUTH ENVIRONMENTAL IMPACT STATEMENT- ROUTE US 90, SIU 1 RACELAND TO DAVIS POND DIVERSION, STATE PROJECT NO. 700-92-0011, FEDERAL AID PROJECT NO. HP-920(501), LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (LA DOTD): Lafourche and St. Charles Parishes, LA. Environmental Impact Statement/NEPA Specialist- Preparation of a NEPA Environmental Impact Statement (EIS) for the future Interstate I-49 South, Raceland to Westbank Expressway (I-310), Route US 90, SIU 1, Raceland to the Davis Pond Diversion, a length of approximately 23 miles through communities, the coastal zone, and wetland habitats. Complex issues involved the coastal ecosystem, hurricane protection levees, scenic streams, farmlands, oil and gas activities, wetlands/floodplains, threatened/endangered species, lack of adequate rights-of-way, navigable water crossings, along with commercial and residential developments. The project required close coordination with the community, special interest groups, and regulatory agencies. Considerable effort was made to ensure all potentially affected stakeholders were granted access to project information via both traditional and non-traditional public involvement methods. Door-to-door distribution of materials was conducted in several neighborhoods. Numerous public and town hall meetings were held with all stakeholders, including public officials, landowners, concerned citizens, industrial organizations and other entities to ensure all voices were heard. Outreach events were also conducted at local festivals and local facilities to reach the largest possible audience. Websites, updates, newsletters were used as well. A Record of Decision (ROD) was issued for this project on January 24, 2008.					
01/19 – Present	ATLAS TECHNICAL CONSULTANTS, LLC, MISSISSIPPI RIVER BRIDGE GBR: LA 1 TO LA 30 CONNECTOR: EBR, WBR, Ascension, Iberville, LA. Environmental Project Manager- This project includes an Enhanced Planning investigation with the objective of constructing a new crossing of the Mississippi River. Providence, as a subconsultant to Atlas Technical Consultants, LLC, is providing environmental services that include identifying the preliminary purpose and need (P&N), revising, submitting and updating P&N; permitting agency coordination; reviewing of studies and plans for data gaps; GIS figures; identifying corridors that meet P&N; identifying alternative boundaries; developing/submitting Environmental Screening methodology; compiling environmental inventory for alternatives for use in narrowing alternatives; support outreach and engagement overview, providing appropriate input for the CARB-D website, developing a draft Final Report for Phase I, addresses comments from Phase I, preparing materials and attending agency brief meetings/focus group meetings, and public meetings. Responsibilities: Management of project schedule, NEPA process and NEPA document development, development of the purpose and need statement, environmental and alternatives analyses, environmental justice analysis, organization of agency meetings, public outreach/involvement meetings and materials, development of public information and agency involvement plans, and coordination of public events, development of relocation plan, preparation of decision documents.					
01/19 – 03/22	LA DOTD, LA 1/LA 415 CONNECTOR ENVIRONMENTAL ASSESSMENT (EA) REEVALUATION, STATE PROJECT NO. H.005121, FEDERAL AID PROJECT NO. H005121: West Baton Rouge Parish, LA. Environmental Project Manager- A reevaluation of an existing EA for a LA 1/LA 415 Connector involving a new bridge over the Gulf Intracoastal Waterway, necessary to consider a change in bridge height and possible relocation of approved right-of-way. Efforts include a vessel study and reevaluation of traffic data to assess design modifications and potential right-of-way modifications. Management of project schedule, NEPA process and NEPA document revision, including revision of supporting technical studies, coordination with state agencies, environmental, analyses, organization of agency meetings, and development of public information and agency involvement plans.					



01/17 – 02/21	LA DOTD, I-10 CORRIDOR STUDY: LA 415 TO ESSEN ON I-10 AND I-12, STAGE 1 ENVIRONMENTAL ASSESSMENT, STATE PROJECT NO. H.004100.2, FEDERAL AID PROJECT NO. H004100: East and West Baton Rouge Parishes, LA. Environmental Project Manager- A study of I-10 through Baton Rouge to develop feasible improvements and to obtain an environmental decision to implement improvements to I-10 and I-12 from the LA 415 interchange to the I-10 and I-12 interchanges at Essen Lane. Efforts include the analysis of existing conditions along I-10 along with implementation of various concepts to recommend a preferred alternative. Various concepts include widening existing infrastructure and revising interchanges. Extensive public outreach is included in this project to ensure public input is received throughout the process. Management of project schedule, NEPA process and NEPA document development, coordination of all work with six subconsultants, environmental and alternatives analyses, environmental justice analysis, organization of agency meetings, public outreach/involvement meetings and materials, development of public information and agency involvement plans, and coordination of public events, development of relocation plan, preparation of decision documents.
09/11 – Present	NORTHWEST LOUISIANA COUNCIL OF GOVERNMENTS (NLCOG), I-49 INNER CONNECTOR STAGE 1 ENVIRONMENTAL IMPACT STATEMENT / NEPA, STATE PROJECT NO. 700-09-0171 (H.003915): Shreveport, Caddo Parish, LA. Environmental Project Manager- Environmental Impact Statement (EIS) and interchange reports for the proposed I-49 Inner City Connector. Project involves all necessary engineering and environmental investigations to obtain environmental clearance on construction of a connector linking the existing I-49 to future I-49 North around Shreveport. Management of project schedule, NEPA process and NEPA document development, development of purpose and need statement, environmental and alternatives analyses, environmental justice analysis, organization of agency meetings, public outreach/involvement meetings and materials, development of public information and agency involvement plans, and coordination of public events, development of relocation plan, preparation of decision documents.
01/20 – 05/21	TRAYLOR BROTHERS, INC., COMPREHENSIVE ENVIRONMENTAL PROTECTION PLAN FOR STATE PROJECT NUMBER H004791 BELLE CHASSE BRIDGE AND TUNNEL: Plaquemines Parish, LA. Environmental Project Manager- The preparation of a Comprehensive Environmental Protection Plan (CEPP) for the implementation of a LA DOTD transportation project. This first in the state plan requested by the LA DOTD involved the preparation of a master document designed to ensure commitments made in project's Environmental Assessment and permits as well as other applicable environmental regulatory requirements would be met before, during, and immediately after project construction. Multiple individual plans and training modules were developed to be housed within the CEPP with the goal of having no violations of environmental permits, mitigation, commitments, or regulations. Development of the plan format and content, preparation of multiple sections and training materials, consistency review, and quality review. The plan was completed and accepted by the client and LA DOTD in May 2021 with Providence team members providing construction oversight and inspection that will continue through completion of construction.
Career History	KERRY ORIOL has over 36 years of multidisciplinary experience in the environmental field. She maintains expertise in project management, NEPA documents and public outreach requirements, including EIS, EA, Environmental Assessment Statement (EAS), and Natural Resource Damage Assessments (NRDA), ecological studies and biological assessments, and mitigation planning and implementation for project specific impacts.



16. STAFF EXPERIENCE

	Firm employed by Providence Engineering and Environmental Group LLC					
	Name		Elizabeth Hunt, RPA		Years of relevant experience with this employer	2
	Title		Principal Investigator		Years of relevant experience with other employer(s)	13
	Degree(s) / Years / Specialization			BA / 2012 / Anthropology; MA / 2017 / Anthropology		
	Active registration number / state / expiration date			Professional Archaeologist No 17020		
	Year registered	2017	Discipline	Archaeologist		
	Contract role(s) / brief description of responsibilities			Archaeologist, MPR 8		
Experience dates (mm/yy-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).					
2021	DOTD, CULTURAL RESOURCES SURVEY OF 2 ACRES FOR THE PROPOSED BONITA BRIDGE REPLACEMENT SITE: Morehouse Parish, LA. Project Director- Ms. Hunt served as the Project Director for the survey of approximately two acres in Morehouse Parish, Louisiana. The survey was conducted for the DOTD, on behalf of the Federal Highway Administration (FHWA). The survey was conducted for the proposed replacement site of the Union Pacific Railroad Overpass Bridge. Prior to initiation of fieldwork, Ms. Hunt conducted background and archival research including previously conducted archaeological investigations and previously recorded archaeological sites and historic structures in the region. No archaeological resources were recorded. Given the lack of cultural resources recorded during the survey, a negative findings report was produced for submittal to the Louisiana State Historic Preservation Office (SHPO) as part of consultation under Section 106 of the National Historic Preservation Act (NHPA). Ms. Hunt served as a co-author for this technical report.					
02/26 – Present	SUGAR HOUSE ROAD EXTENSION: Rapides Parish, LA. Principal Investigator- A Phase I Cultural Resource Survey was conducted for the Sugar House Road Extension project, which involved evaluating a 26.3-acre Area of Potential Effect (APE) and a 300-foot indirect buffer. Ms. Hunt carried out archival research, a field survey, and documented 15 above-ground resources, all of which were recommended as not eligible for listing on the National Register of Historic Places (NRHP). The survey confirmed that no archaeological sites were present, supporting the conclusion of "no historic properties affected" for compliance with the FHWA regulations.					
2023	LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (DOTD), CULTURAL RESOURCES SURVEY OF 11 ACRES FOR THE PROPOSED I-49 SOUTH, ROUTE US 90 EXPANSION LOCATION AT VEROT SCHOOL ROAD: Lafayette Parish, LA. Project Manager- Ms. Hunt served as the Principal Investigator for the survey of approximately 11 acres in Lafayette Parish, Louisiana. The survey was conducted by DOTD, on behalf of the FHWA. The survey was conducted for the proposed expansion of I-49 South, Route US 90 at the segment of Verot School Road. Prior to initiation of fieldwork, Ms. Hunt contacted landowners for permission to survey and conducted background and archival research including previously conducted archaeological investigations and previously recorded archaeological sites and historic structures in the region. Ms. Hunt wrote and prepared the Phase I Cultural Resources Report and provided the document to DOTD for comment before submitting it to SHPO for concurrence.					
2024	GULF SOUTH PIPELINE COMPANY, LLC PHASE I CULTURAL RESOURCES SURVEY OF THE INDEX 301-4 REPLACEMENT PROJECT: Bogalusa, Washington Parish, LA. Principal Investigator- Ms. Hunt served as the Principal Investigator for the proposed PN 15340 Index 301-4 Replacement Project. The proposed APE measured approximately 61 acres (24.5 hectares). The Phase I Cultural Resources Survey consisted of a pedestrian survey and the 142 shovel test pits across the APE. Additionally, an above-ground resources survey was completed. The survey resulted in the relocation and update of one previously recorded site, identification of one isolated find, and examination of three aboveground resources adjacent to the APE. Based on the findings it was suggested that site 16WA98 was potentially eligible for the NRHP and should be avoided. The client then designed their workplan to have a 50-foot avoidance buffer around the site 16WA98 to avoid any disturbance to the site. Neither the isolated find nor the above ground resources were recommended eligible for the NRHP. No additional archaeological or above-ground resource investigations are recommended for the proposed project. The report was submitted to the SHPO for review and concurrence.					



04/23 – 05/24	CORNERSTONE CHEMICAL COMPANY- UBE C1 CHEMICALS AMERICA, INC., ARCHAEOLOGICAL AND HISTORICAL CONSULTATION LETTER: Jefferson Parish, LA. Principal Investigator- Provided Cornerstone Chemical Company – UBE C1 Chemicals America, Inc., with a letter that initiated consultation to identify historic properties for proposed construction. This letter was submitted to the SHPO in pursuance of Section 106 and the lead federal agency, the USACE. This letter provided information on the proposed project area, proposed activities, previously conducted investigations and recorded cultural resources within and adjacent to the project area and requested assistance from SHPO for concurrence.
03/24 – 04/25	PHASE I CULTURAL RESOURCES SURVEY OF THE GROOM ROAD/BRUSHY BAYOU STORM SYSTEM PROJECT: East Baton Rouge Parish, LA. Principal Investigator- Ms. Hunt served as Principal Investigator for a Phase I cultural resource survey of approximately 4.8 acres in Baker, Louisiana. The survey consisted of 84 STPs. Three positive shovel tests were determined to be isolated finds and are not recommended eligible for the NRHP. No newly recorded archaeological sites or previously recorded sites were identified during the investigation. TerraXplorations Inc. was subcontracted to conduct the aboveground resources survey for the indirect APE. The aboveground resources survey identified one previously recorded LHRI resource, one NRHP-listed property, and 29 newly recorded LHRI aboveground resources. Based on results of the current survey, one previously recorded NRHP-listed property, the Baker High School Auditorium (13001125), remains eligible for listing in the NRHP under Criterion C based on the structure's design and construction which includes a prominent and unique exterior. Ms. Hunt served as a co-author for a technical report that was submitted to the LA DOA, SHPO as part of consultation under Section 106 of NHPA.
01/25 – 04/25	NEGATIVE FINDINGS: PHASE I CULTURAL RESOURCES SURVEY OF THE PN 16413 BEP-140 LINE LOWERING PROJECT: Calcasieu Parish, LA. Principal Investigator- Ms. Hunt served as the Principal Investigator for the Phase I cultural resources of approximately 14 acres across three project areas. The Phase I cultural resource survey consisted of a pedestrian survey and the excavation of 53 shovel test pits. Based on survey results, no cultural material or archaeological sites were encountered. No aboveground resources 50 years or older were identified using the LA DOA cultural resources online database, historic aerials, topographic maps, or during fieldwork. This will result in a report submitted to SHPO recommending no additional archaeological or above-ground resource investigations for the proposed project.
Career History	ELIZABETH HUNT, RPA has experience in Cultural Resource Management (CRM) and has experience working and consulting with governmental agencies at the local, state, and federal levels. She has participated in and supervised Phase I archaeological surveys, Phase II National Register Eligibility testing, Phase III data recovery excavations, and construction monitoring in Alabama, Arkansas, Arizona, California, Georgia, Louisiana, Mississippi, New Jersey, New York, North Carolina, and Texas. She has experience in both prehistoric and historic site evaluations and has performed analyses on both prehistoric and historic cultural material. Her areas of expertise include Section 106 and 110 compliance of the NHPA and prehistoric archaeology of the Lower Mississippi Valley as well as ceramic analyses.



16. STAFF EXPERIENCE

	Firm employed by Providence Engineering and Environmental Group LLC					
	Name	Morgan Granger, MSHP			Years of relevant experience with this employer	2
	Title	Architectural Historian			Years of relevant experience with other employer(s)	15
	Degree(s) / Years / Specialization		MS / 2017 / Historic Preservation; MA / 2011 / History of Art and Architectural History			
	Active registration number / state / expiration date		N/A			
	Year registered	N/A	Discipline	N/A		
	Contract role(s) / brief description of responsibilities		Architectural Historian MPR 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).					
2022 – 2024	INTENSIVE LEVEL SURVEYS FOR PENNDOT: Contributor- The intensive surveys were intended to determine eligibility of resources identified during a reconnaissance level survey for the Pennsylvania Department of Transportation (PennDOT). The Section 106 Compliance projects included extensive deed resource coupled with census and agricultural census data to determine resource significance and development eligibility recommendations. Mrs. Granger also completed architectural descriptions for resources surveyed.					
2022 – 2024	RECONNAISSANCE AND INTENSIVE LEVEL SURVEYS FOR TXDOT: Contributor- The reconnaissance level surveys sought to identify historic resources within the project’s area of potential effect in compliance with Section 106 of the NHPA. During reconnaissance level surveys Mrs. Granger utilized historic maps and aerial imagery to identify resources prior to fieldwork. The intensive surveys were intended to determine National Register of Historic Places (NRHP) eligibility of resources identified during a reconnaissance level survey for the Texas Department of Transportation (TxDOT). The projects often included extensive research, deed research, historic map and aerial image review, and fieldwork to determine what resources were extant.					
2023	NICE BRIDGE REPLACEMENT – GEC SERVICES Contributor- In support of an archaeological data recovery project, the project included genealogical research to locate potential descendants associated with human remains identified during a Maryland Transport Authority (MDTA) bridge improvement project. Mrs. Granger utilized online resources to establish a chain of title, then using data provided by archaeological staff, she attempted to identify living ancestors. Ancestry of the family known to inhabit the property during the estimated dates of the remains were traced matrilineally, and no living ancestors were identified through the maternal line. She then traced ancestry through potential paternal relations, and the results of the research were provided to MDTA.					
2022	HISTORIC RESOURCES SURVEY OF JACKSON COUNTY, FL. Author and Surveyor- The county-wide survey was funded through the State of Florida utilizing funding from the Emergency Supplemental Historic Preservation Fund in response to Hurricanes Florence, Michael, and Typhoon Yutu. The project included in-depth research, development of a historic context, public outreach, and survey documentation-including completion of FMSF forms for each historic age resource. The survey identified approximately 8,000 historic age resources. Recommendations were made regarding historic significance and eligibility for inclusion in the NRHP. Mrs. Granger was highly involved in all aspects of the project.					
2022	ROCK CREEK PARK MILITARY ROAD TRAIL FEASIBILITY: Contributor- The project sought to determine feasibility of a proposed trail through Rock Creek Park in Washington, DC. The scope included determinations of significance for historic age resources identified within the area of potential effect. Mrs. Granger was responsible for identifying, assessing, and providing determinations of effects for historic resources withing the area of effect. These contributions were in the final report.					
2022	PHASE II HISTORIC RESOURCES RE-SURVEY OF THE LOCAL HISTORIC DISTRICT. Contributor- The architectural survey was an update to the existing survey of Valdosta, Georgia’s local historic district. Mrs. Granger was involved in re-photographing resources and editing the final report.					
2022	SURVEY & NOMINATIONS OF HISTORIC RESOURCES IN ALABAMA. Contributor- The survey project focused on several areas of southern Alabama and included desktop reconnaissance to determine potential areas of concentrated resources which may result in historic districts. Areas of interest included the towns and cities of Slocomb, Hartford, and Geneva. Mrs. Granger assisted in the desktop reconnaissance and collaborated with colleagues to establish areas of interest and develop historic contexts for each area.					

Career History	MORGAN GRANGER is an architectural historian who exceeds the Secretary of the Interior's (SOI) Professional Qualification Standards. She has experience in Cultural Resource Management (CRM) providing preservation, conservation, and historian services to a variety of clients including governmental agencies at the local, state, and federal levels. Mrs. Granger has experience with Section 106 (of the NHPA) Compliance, Facilities Conditions Assessments for the Department of Veteran Affairs, design guidelines, documentation projects ranging from hand-drawn measured drawings (up to and including Historic American Building Survey [HABS] level) to three-dimensional laser scanning and modeling and has contributed to several grant funded projects. Additionally, she has participated in architectural/cultural/historic resource surveys and building and cemetery condition assessments throughout the United States, and as a student in Bermuda and Scotland. She has worked in several states including Alabama, Arkansas, California, Colorado, Florida, Georgia, Louisiana, Massachusetts, Mississippi, Montana, New Jersey, New York, North Carolina, Oklahoma, Pennsylvania, South Carolina, Texas, Virginia, Washington, and Washington, DC. Mrs. Granger has experience working with local, state, and federal grant projects and is familiar with requirements and procedures of grant funding. Her areas of expertise include determination of effects, Section 106 compliance, architectural/historic/cultural resource surveys, conditions assessments, resource documentation, and cemetery assessments and mapping.
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16. STAFF EXPERIENCE

	Firm employed by Bowlby & Associates, Inc.				
	Name	Darlene D. Reiter, PhD, PE		Years of relevant experience with this employer	32
	Title	President		Years of relevant experience with other employer(s)	8
	Degree(s) / Years / Specialization		BS / 1988 / Civil Engineering; MS / 1991 / Civil Engineering; PhD / 1997 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 101738 / TN / 7-31-2028		
	Year registered	1996	Discipline	Professional Engineer	
	Contract role(s) / brief description of responsibilities		Noise and Air Quality Analysis 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).				
1996 – Current	Bowlby & Associates, Inc. President (2017 – Present); Vice President (2012 – 2016); Sr. Project Manager (1997 – 2011); Project Engineer (1994 – 1996) • Project Manager for numerous noise and air quality analyses for large-scale projects for many State DOTs and local governments • Expert in the use of the FHWA Traffic Noise Model version 2.5 (TNM 2.5) • Lead instructor of Bowlby & Associates’ 5-day training course on Traffic Noise Fundamentals and TNM 2.5 • Project Manager for TNM 3.2 Beta Testing for USDOT Volpe Center and FHWA • Member of the FHWA’s Tire-Pavement Noise Working Group that developed AASHTO Standard Methods for Determining the Influence of Road Surfaces on Vehicle Noise Using the Statistical Isolated Pass-By Method (SIP) and Continuous-Flow Traffic Time-Integrated Method (CTIM) • Past member of the Transportation Research Board Committee on Transportation-Related Noise and Vibration (AEP 80) • Researcher for numerous FHWA research projects and documents, including Evaluation of 23 CFR 772 for Opportunities to Streamline and Establish Programmatic Agreements (FHWA-HEP-17-060 and FHWA-HEP-17-061), Noise Measurement Handbook and Field Guide (FHWA-HEP-18-065 and FHWA-HEP-18-066), and lead author of Techniques for Reviewing Noise Analyses and Associated Noise Reports (FHWA-HEP-18-068) • Researcher for NCHRP 25-44, Field Investigation of Reflected Noise from a Single Noise Barrier and NCHRP 25-52, Meteorological Effects on Roadway Noise • Project-level air quality expert and coordinator of the Interagency Coordination (IAC) process for TDOT from 2009-2019 • Trained and experienced with EPA’s MOVES and hot-spot modeling • Project Manager for the development of TDOT’s Mobile Source Air Toxics (MSAT) and climate change spreadsheet tools • Case Study Team member for FHWA’s Air Quality and Congestion Mitigation Measures Outcomes Assessment Study				
1996 – Current	Sample work and projects serving as Project Manager or with a major role: • Louisiana DOTD: I-10 from LA 415 to Essen Lane (I-10/I-12), East and West Baton Rouge Parishes; I-49 Inner City Connector, Caddo Parish; I-49, St. Mary Parish. • Tennessee DOT: I-440 Reconstruction, I-40/Donelson Pike Interchange, and I-65 Widening in Davidson County; I-55 and Crump Boulevard Interchange and I-240 Widening in Shelby County; I-75/I-24 Interchange in Hamilton County; and the Pellissippi Parkway Extension and Alcoa Bypass in Blount County. In-house consultant assisting with the noise and air quality program; Type II Noise Barrier Needs and Cost Assessment Studies; TDOT Noise Policy and Procedures Updates; SR 840 Pavement Noise Study; numerous final noise barrier design projects across the state; and noise inquiry response. • Arkansas DOT: Type II Noise Barrier Studies, Statewide; I-49 Widening and Interchange Improvements, Washington and Benton Counties; Highway 112 Improvements, Washington and Benton Counties. • Missouri DOT: Managed noise reviews for many projects, including the controversial I-270 and I-64 widening projects in St. Louis County. • Mississippi DOT: US 51 Widening between Church Street and Green T Road, DeSoto County. • Alabama DOT: I-65 Widening from South of US Hwy 31 to North of US Hwy 31, Shelby County. • Georgia DOT: Type II noise barrier study manager for a 3-County Atlanta metropolitan area, including development of a noise barrier GIS and congressional liaison package.				



	• FHWA: Co-author of Evaluation of 23 CFR 772 for Opportunities to Streamline and Establish Programmatic Agreements (through RSG) and lead author of a “how to” guide for noise study review titled “Techniques for Reviewing Noise Analyses and Associated Noise Reports” for 23 CFR 772 Accelerated Process: Measurement and Modeling Techniques. Case Study Team member for FHWA’s Air Quality and Congestion Mitigation Measures Outcomes Assessment Study. • National Cooperative Highway Research Program: Researcher for NCHRP 25 44, Field Investigation of Reflected Noise from a Single Noise Barrier and NCHRP 25-52, Meteorological Effects on Roadway Noise.
1997 – 2000	Vanderbilt University <i>Adjunct Assistant Professor of Civil Engineering, Dept. of Civil & Environmental Engineering:</i> Taught Environmental Analysis of Transportation Systems and Transportation Planning courses. <i>Research Assistant, Dept. of Civil & Environmental Engineering:</i> Conducted traffic noise, air quality, and ITS research. Dissertation research on evaluating the emissions benefits of traffic signal coordination systems using vehicle modal operations and emissions data.
Selected Publications	• Reiter, D., A Hartell, K. Kaliski, W. Bowlby, R Wayson and J. Rochat, “Research Offers Insights on Highway Noise,” <i>TR News</i>, Transportation Research Board, Nov-Dec 2018. • Reiter, D. and J. Rochat, “Highway Traffic Noise,” <i>Acoustics Today</i>, <i>Acoustical Society of America</i>, Winter 2016. • Reiter, D.D. and W. Bowlby, “Using the FHWA TNM to Assess Noise Reflections off the Underside of Elevated Bridge Structures,” <i>Transportation Research Record</i>, <i>National Academy of Sciences, Washington, D.C.</i>, 2002. • Reiter, D. and K. Kaliski, Evaluation of 23 CFR 772 for Opportunities to Streamline and Establish Programmatic Agreements, FHWA, Sept 2013. • Reiter, D.D., W. Bowlby, L.A. Herman, and J. Boyer, <i>Traffic Noise in Montana: Community Awareness and Recommendations for a Rural State</i>, Montana DOT, 2004.



16. STAFF EXPERIENCE

	Firm employed by Bowlby & Associates, Inc.				
	Name	Geoffrey Pratt, PE		Years of relevant experience with this employer	27
	Title	Senior Project Engineer		Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization		BS / 1998 / Civil Engineering; MS / 1999 / Civil Engineering		
	Active registration number / state / expiration date		PE No. 109132 / TN / 1-31-2027		
	Year registered	2004	Discipline	Professional Engineer	
Contract role(s) / brief description of responsibilities		Noise and Air Quality Analysis 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).				
1999 – Current	Bowlby & Associates, Inc. Senior Project Engineer (2013 – Present); Project Engineer (1999 – 2013) • Expert in the use of the FHWA Traffic Noise Model (TNM 2.5) • Assisted with TNM 3.2 Beta Testing for USDOT Volpe Center and FHWA • Expert in the planning and conduct of highway traffic noise measurements • Instructor of GIS/CAD section of Bowlby & Associates’ TNM 2.5 training course • Experienced with CadnaA (environmental noise model), MicroStation, AutoCAD, and ArcMap GIS • Trained and experienced with EPA’s MOVES and hot-spot modeling • Past member of the Transportation Research Board Committee on Transportation-Related Noise and Vibration (AEP80)				
1999 – Current	Sample work and projects serving as Project Manager or with a major role: • Louisiana DOTD: I-10 from LA 415 to Essen Lane (I-10/I-12), East and West Baton Rouge Parishes; I-49 Inner City Connector, Caddo Parish; I-49, St. Mary Parish; LA 21, St. Tammany Parish; Finks Hide-A-Way Road, Ouachita Parish; 4th Avenue Extension, Jefferson Parish; New Florida Bridge, Orleans and St. Bernard Parishes; US 190 Auxiliary Lane Additions from LA 22 to I-12, St. Tammany Parish (for NORPC); and Hooper Road Extension and Widening, East Baton Rouge and Livingston Parishes. • Tennessee DOT: I-440 Reconstruction, I-40/Donelson Pike Interchange, and I-65 Widening in Davidson County; I-240 Widening in Shelby County; I-75/I-24 Interchange in Hamilton County; and the Pellissippi Parkway Extension and Alcoa Bypass, Blount County. • Mississippi DOT: US 51 Widening between Church Street and Green T Road, DeSoto County; Greenville Bypass, Washington and Bolivar Counties; Vicksburg Port Connector Road, Warren County; SR 43, Hancock County. • Arkansas DOT: Type II Noise Barrier Studies, Statewide; I-49 Widening and Interchange Improvements, Washington and Benton Counties; I-40 Widening and Hwy 67 Widening, Pulaski County; I-40 Widening, Faulkner County. • Illinois DOT: State Route 13/15 Widening, St. Clair County. • Indiana DOT: Louisville-Southern Indiana Ohio River Bridges Project Noise Study, Jeffersonville. • Maryland SHA: US 113 Widening, Phases 3-5, Worcester County. • South Carolina DOT: SC 290/SC 253 Intersection, Greenville County; S 458/SC 8 Intersection, Anderson County; US 501 Improvements, Horry County. • Ohio DOT: I-675 Undeveloped Land Use Noise Study, Dayton; I-480/Turnpike Rumble Strip and Traffic Noise Analysis, Lorain County. • Illinois State Toll Highway Authority: I-294 Noise Barrier Study, Chicago: TNM modeling. • New York State DOT: Region 1 Noise Barrier Feasibility Study. • National Cooperative Highway Research Program: NCHRP Project 25-34 on Supplemental Guidance on the Application of FHWA’s Traffic Noise Model (TNM).				



16. STAFF EXPERIENCE

	Firm employed by Bowlby & Associates, Inc.				
	Name	Rennie Williamson		Years of relevant experience with this employer	16
	Title	Project Manager		Years of relevant experience with other employer(s)	16
	Degree(s) / Years / Specialization		BS / 1994 / Mechanical Engineering; MS / 1997 / Civil Engineering		
	Active registration number / state / expiration date		N/A		
	Year registered	N/A	Discipline	N/A	
	Contract role(s) / brief description of responsibilities		Noise Analysis MPR 3		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
2013 – Current	Bowlby & Associates, Inc. Project Manager (2023 - Present); Project Engineer (2013 - 2022) • Expert in the use of the FHWA Traffic Noise Model version 2.5 (TNM 2.5) • Course manager and instructor of Bowlby & Associates’ TNM 2.5 training course • Principal Investigator for TNM 3.2 Beta Testing for USDOT Volpe Center and FHWA • Member of TNM 3 “User Group” and conducted extensive testing of TNM 3 and provided feedback to FHWA and the Volpe Center • Past member of the Transportation Research Board Committee on Transportation-Related Noise and Vibration (AEP 80) • Expert in the planning and conduct of highway traffic noise studies and noise measurements • Experience with a wide range of software: TNM 2.5, TNM 3.x, QGIS, MOVES, MicroStation, and AutoCAD • Completed the FHWA TNM Version 3.1 training course, EPA’s MOVES training course, and many National Highway Institute courses, including Highway Traffic Noise, Air Quality Planning: Clean Air Act Overview, Introduction to NEPA and Transportation Decision Making, Air Quality Planning: Transportation Conformity, SIP and TCM Requirements and Policies, SIP Development Process				
1996 – Current	Sample work and projects serving as Project Manager or with a major role: • Louisiana DOTD: I-10 from LA 415 to Essen Lane (I-10/I-12), East and West Baton Rouge Parishes; I-49 Inner City Connector, Caddo Parish. • Tennessee DOT: I-440 Reconstruction, I-65 Widening, and Briley Parkway Phases 2, 3, and 4 in Davidson County; I-55 and Crump Boulevard Interchange and I-240 Widening in Shelby County; I-75/I-24 Interchange in Hamilton County; , Nashville, TN; I 69 SIU 8 in Shelby, Tipton, Lauderdale, and Dyer Counties; Update of TDOT noise complaint database using Microsoft Access and Google Earth. • Arkansas DOT: Type II Noise Barrier Studies, Statewide; I-49 Widening and Interchange Improvements, Washington and Benton Counties; Highway 112 Improvements, Washington and Benton Counties. • West Virginia DOT: Dick Henderson Memorial Bridge construction noise monitoring project: Assisted in data collection, reduction, and analysis; created monthly reports. • Missouri DOT: Noise reviews for many projects, including I-270 and I-64 widening projects in St. Louis County, and I-70 in the City of O’Fallon. • Maryland SHA: Site modeling and noise barrier design for I-495 Type II Noise Barrier Design. • FHWA: Sensitivity Test Case Results Comparing FHWA Traffic Noise Model (TNM) 2.5 and TNM 3.0, and Consistency Test Suite End-User Package and Acceptable Margin Answer Key for FHWA TNM 3.0 (FHWA Contract Order No. DTFH61-11-D-00028-T11-001). Conducted extensive sensitivity testing of TNM 3.0 acoustic code, compared results with TNM 2.5, reported results and anomalies, and assisted in creating a Consistency Test Suite to evaluate the results of other noise models. Noise Barrier Acceptance Criteria: Analysis and Noise Barrier Acceptance Criteria: Evaluation Tools, Phase II (FHWA Contract Order No. DTFH61-D-00028-0005). Data analysis and report preparation. • National Cooperative Highway Research Program: NCHRP Project 25 44, Field Evaluation of Reflected Noise from a Single Noise Barrier, Phases 1 and 2. Noise measurements, data analysis, and report preparation. • USDOT: Assisted in the design of a computer-based training tool for TNM 1.0.				

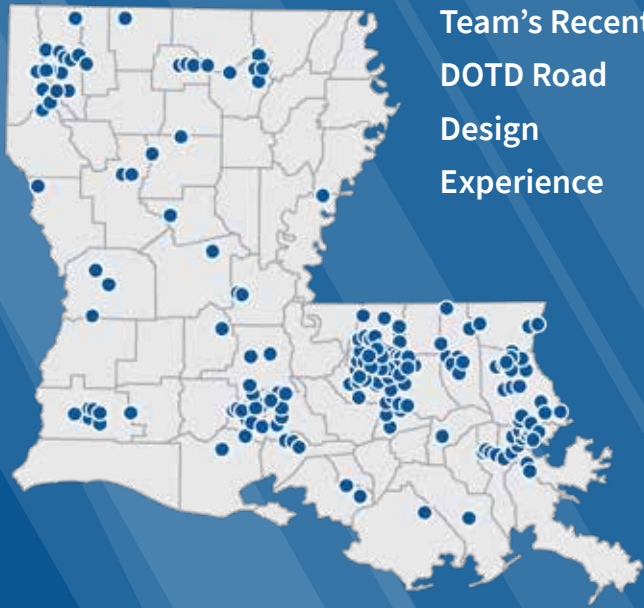
1996 – 1997	Vanderbilt University <i>Research Assistant</i> • USDOT: USDOT University Transportation Centers Fellow through Southeastern Transportation Center. Conducted extensive sensitivity, validation, and functionality testing of TNM (Beta test versions) & compared results with STAMINA/OPTIMA predictions. Reported results and made recommendations to USDOT and software developers. • Nashville International Airport: Completed an Air Pollutant Inventory through the modification and maintenance of complex spreadsheets. Used MOBILE5A to evaluate vehicle emissions. Conducted a field study of aircraft taxi/idle times emissions.
Selected Publications	• Bowlby, W., Williamson, R., Pratt, G., Knauer, H., Kaliski, K., Noise Barrier Acceptance Criteria: Analysis, FHWA, Washington, DC, November 2015. • Bowlby, W., Williamson, R., Pratt, G., Kaliski, K., Noise Barrier Acceptance Criteria: Evaluation Tools, FHWA, Washington, DC, November 2015. • Bowlby, W., Pratt, G., Williamson, R., and K. Kaliski, Noise Abatement Feasibility and Reasonableness Analysis Tool (NAFRAT) Version 2, FHWA, Washington, DC, November 2015. • Bowlby, W., Williamson, R., Reiter, D., et al., NCHRP – Web-Only Document 218: Field Evaluation of Reflected Noise from a Single Noise Barrier – Phase 1, NCHRP, September 2015. • Bowlby, W., R. Williamson, K. Kaliski, and K. E. Bowlby, Sensitivity Test Case Results Comparing FHWA TNM 2.5 and TNM 3.0, FHWA, Washington, DC, March 2014. • Bowlby, W., R. Williamson, and K. Kaliski, Consistency Test Suite End-User Package and Acceptable Margin Answer Key For FHWA TNM 3.0; FHWA, Washington, DC, April 2014. • Williamson, R., Evaluation, Validation Testing, and Guidance on the Use of the New Federal Highway Administration Traffic Noise Model, Vanderbilt University, December 1997.



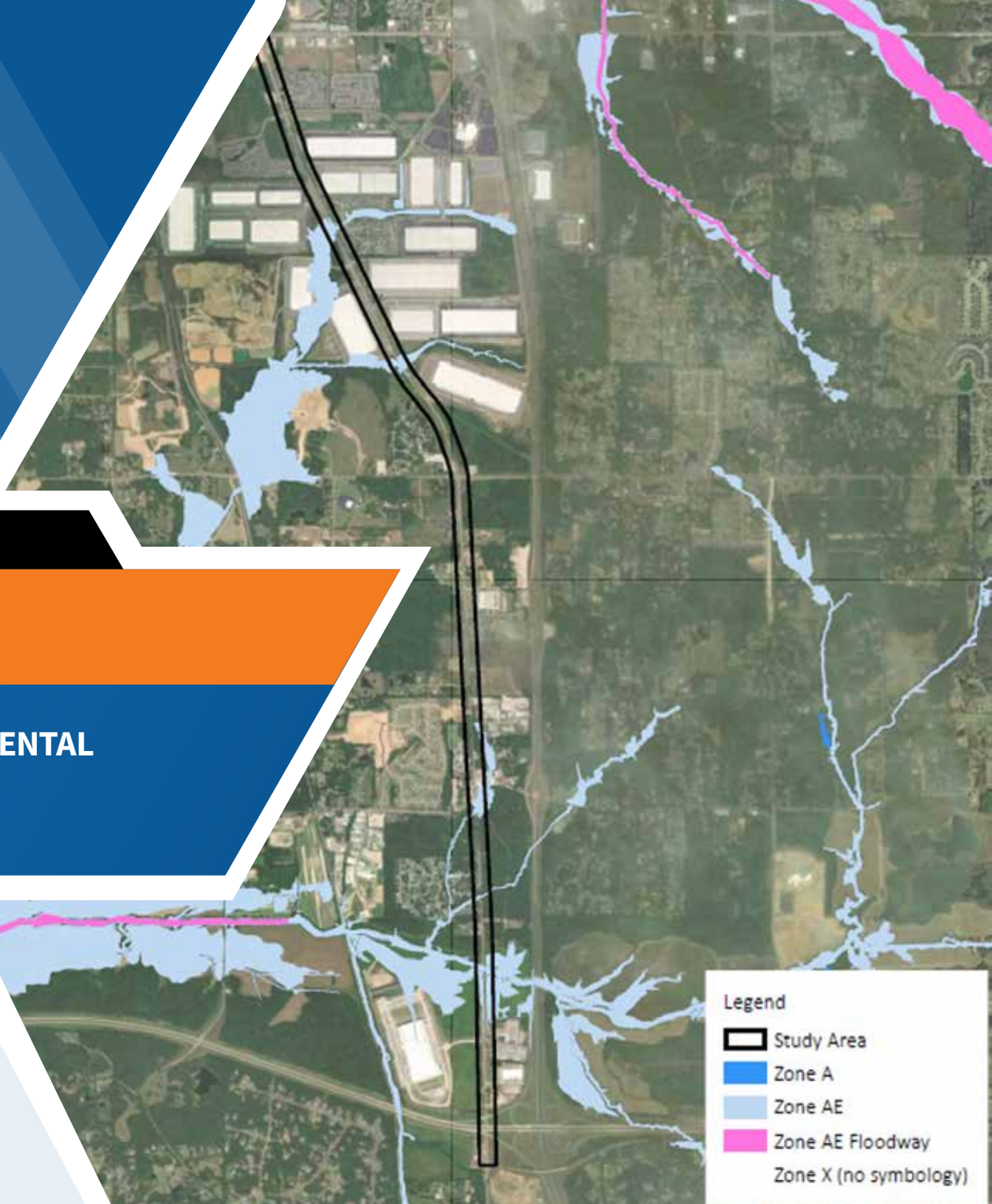
16. STAFF EXPERIENCE

	Firm employed by The Lakvold Group LLC					
	Name	Angela Lemoine-Lakvold, MAI, SRA, R-W/AC			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 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).					
01/20 – Ongoing	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.					
11/22 – Ongoing	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.					
03/24 – 10/25	SPN H.005168, New Orleans Gateway Program, Jefferson Rial Crossing Relocation, Jefferson Parish, LA: Completed Conceptual Stage Relocation Plan for the project.					
03/25 – 07/25	SPN H.014318, Gurney Road Bridges Over Drainage Canal, East Baton Rouge Parish, LA: Completed appraisals for the replacement of two existing bridges.					
05/24 – 05/25	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.					
03/24 – 10/24	SPN H.014416, LA 3125 @ LA 3274 Roundabout, St. James Parish, LA: Completed appraisal for completion of a round-about.					
06/22 – 10/23	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.					
07/21 – 10/21	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.					
09/20 – 12/21	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.					





Team's Recent
DOTD Road
Design
Experience



Section 17

IDIQ CONTRACTS FOR ENVIRONMENTAL SERVICES STATEWIDE

Contract Nos 4400035710 & 4400035711

Legend

- Study Area
- Zone A
- Zone AE
- Zone AE Floodway
- Zone X (no symbology)

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 and alignment 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 comprehensive tiered alternative screening approach and ultimately in 2 phases: Phase 1 – Enhanced Planning Study and Phase 2 – NEPA Process.

Our proposed Project Manager and Deputy Project Manager—Maria Reid and Kara Moree—previously managed this project for LADOTD 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.

CHALLENGE: Due to changing federal policy and regulation, as the PEL study progressed, there needed to be major adjustments to the schedule in order to meet new timeframes imposed on length of NEPA document completion.

SOLUTION: The project team had to effectively come up with a solution to split the project into phases in which field work for the technical analyses reports could be conducted in advance of starting the “NEPA clock”.

CHALLENGE: Another challenge to the project was working through the high profile nature of the project and ensuring that stakeholders and the public were thoroughly engaged.

SOLUTION: Ms. Kara Moree, the Project Manager, presented quarterly to the Capital Area Road and Bridge District (CARB-D) committee, which was open to the public and livestreamed, from August 2020 through March 2025. The project team also conducted over 30 stakeholder meetings over that time period as well as 6 public meetings on both sides of the Mississippi River and in multiple parishes.

Firm Members: Vijay Kunada, Nick Ferlito, Kara Moree, Maria Reid, Charles Leboeuf, David Winstead
Providence Engineering and Environmental Group LLC served as a subconsultant



Project Similarities:

- ✓ Environmental Assessment
- ✓ Alternative screening, analysis & vetting
- ✓ Traffic impacts that covered a regional area
- ✓ Intensive public involvement & regular stakeholder engagement

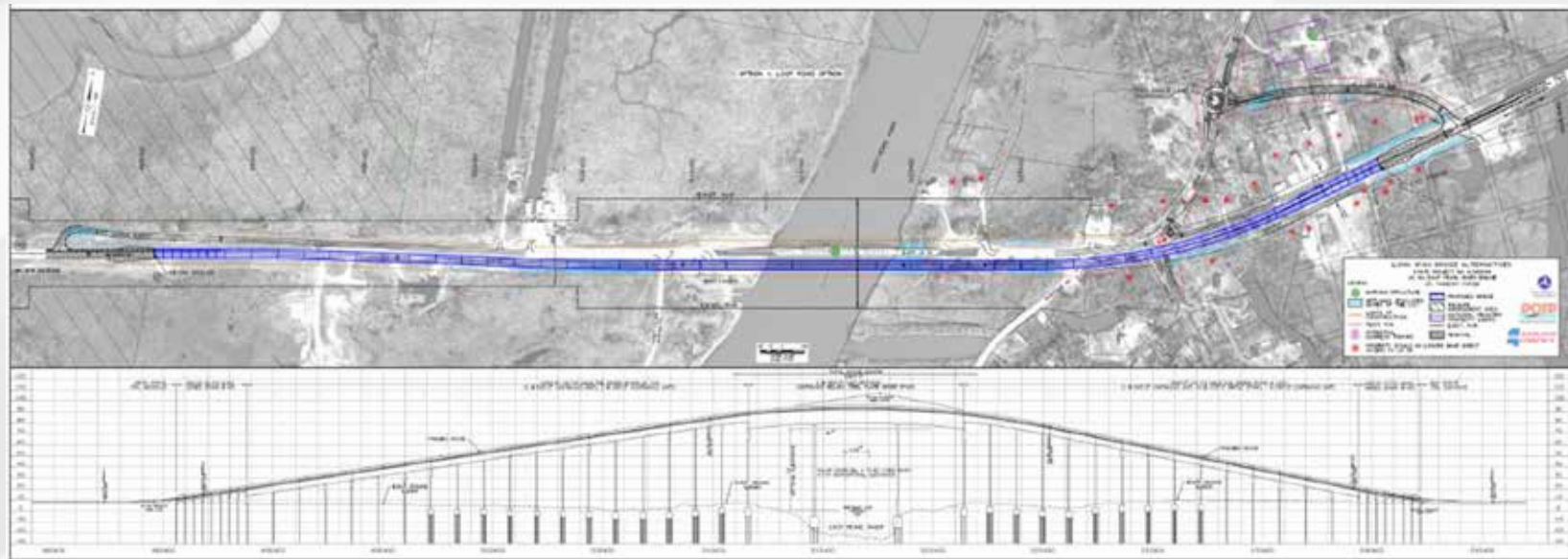
17. FIRM EXPERIENCE

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	US Highway 51 Environmental Assessment		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	MS Department of Transportation
Project location	DeSoto County, MS		Owner's Project Manager	Adam Johnson, PE
Owner's address, phone, email	PO Box 1850 Jackson, Mississippi 39215; 601.359.7920; ajohnson@mdot.ms.gov			
Services commenced by this firm (mm/yy)	12/21	Total consultant contract cost (\$1,000's)	\$542	
Services completed by this firm (mm/yy)	08/25	Cost of consultant services provided by this firm (\$1,000's)	\$542	

Neel-Schaffer was selected by MDOT to prepare an Environmental Assessment (EA) for proposed improvements along US Highway 51 from Green T Road to Church Road, a key transportation corridor in DeSoto County. The project aimed to improve safety and access management for commercial and public vehicles and increase capacity to accommodate projected traffic growth along the US 51 corridor, supporting development and mobility for residents, businesses, and freight operators accessing I-55 and I-69.

The EA built upon the US 51 Planning & Environmental Linkages (PEL) Study, which established the corridor's long-term vision, identified operational and safety deficiencies, and screened early alternatives. Building on this foundation, the EA evaluated No Build and Build alternatives and assessed environmental impacts per FHWA NEPA regulations. Neel-Schaffer completed key environmental studies, including cultural resources, wetlands and Waters of the US, socioeconomic and relocation reviews, and hazardous materials evaluations. The team also managed subconsultants for historic architectural reconnaissance and traffic noise analysis, ensuring all methodologies met federal and state requirements.

Neel-Schaffer led public involvement, organizing meetings and hearings, preparing materials, and documenting comments per FHWA and MDOT procedures. The EA concluded the 5.4-mile Build Alternative met the Purpose and Need by improving traffic operations, enhancing access management, and supporting projected travel demand. FHWA issued a Finding of No Significant Impact (FONSI), completing the NEPA process and allowing the project to proceed into final design and right-of-way phases. Despite delays during the 2025 federal transition, Neel-Schaffer delivered the FONSI efficiently, maintaining project momentum and demonstrating strong coordination and responsiveness.

NEPA Class of Action:

- Environmental Assessment (EA)

NEPA Studies Completed:

- EA – Full preparation and documentation
- FONSI – Issued by FHWA after EA completion
- Cultural Resources Survey –Including historic architectural reconnaissance
- Wetlands and Waters of the US Assessment
- Socioeconomic and Relocation Review
- Hazardous Materials Evaluation
- Traffic Noise Analysis (managed through subconsultant)

Firm Members: Buddy Covington; Monica Patel; Cody Hufstetler; Maggie Waldron; Haley Streuding



17. FIRM EXPERIENCE

Firm Name	Neel-Schaffer, Inc.		Past Performance Evaluation Disciplines(s)*	Road, Planning, Traffic
Project name	IDIQ for Stage 0 Studies – Statewide		Firm responsibility (prime or sub?)	Prime
Project number	H.4400018271		Owner's name	LADOTD
Project location	Statewide		Owner's Project Manager	Dilton Anderson, PE
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; 225.379.1461; Dilton.Anderson@la.gov			
Services commenced by this firm (mm/yy)	05/19	Total consultant contract cost (\$1,000's)	\$2,500	
Services completed by this firm (mm/yy)	05/24	Cost of consultant services provided by this firm (\$1,000's)	\$2,500	

Neel-Schaffer, Inc. was selected for the IDIQ contract with DOTD to conduct Stage 0 Feasibility Studies. These Stage 0 Feasibility Studies include preparing the project purpose and need as well as completing the Stage 0 Preliminary Scope and Budget Checklist; and DOTD's Environmental Checklist. In addition, Neel-Schaffer provides all supplemental studies required to support the purpose and need; and checklist. These supplemental studies include Traffic Studies, Safety Studies using the Highway Safety Manual (HSM), as well as providing geometric layouts as required. In addition, preliminary cost estimates are provided that consider engineering, environmental, right of way acquisition, utility relocation and construction. Neel-Schaffer conducted public and stakeholder meetings.

Neel-Schaffer has experience on the following Stage 0 Studies for the DOTD under this task order contract:

The task orders under this project are as follows:

- 1.) I-69 Frontage Road (Ellerbe Road to LA 1) (SPN. H.014054);
- 2.) I-69 Frontage Road (Stonewall Frierson) (SPN. H.014056);
- 3.) LA 10 Improvements in Bogalusa (Phase 3) (SPN. H.011280);
- 4.) Earhart Expressway Masterplan (SPN. H.014514);
- 5.) LA 384 (Big Lake Road to McNeese Street) (SPN. H.011242);
- 6.) LA 383 Corridor Study (SPN. 014746). See project profiles for more details.

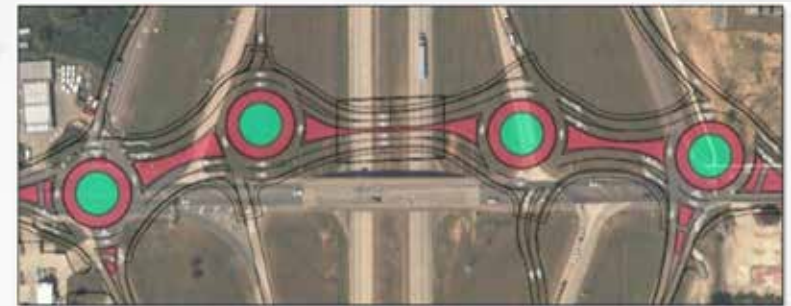
Firm members: Dishili Young Curry, Mai Nguyen, Chance Shuckrow, Nick Ferlito, Ellen Howard, Jonathan Duhe, Katie Odenthal, Santosh Andem, Charles LeBoeuf. Vectura Consulting Services, LLC was also a subconsultant on this contract.



17. FIRM EXPERIENCE

Firm Name	Neel-Schaffer, Inc.		Past Performance Evaluation Disciplines(s)*	Road, Traffic
Project name	I-20: LA 544 Overpass Replacement		Firm responsibility (prime or sub?)	Prime
Project number	H.010616		Owner's name	LADOTD
Project location	Lincoln Parish, LA		Owner's Project Manager	Jayasree Viswakumar
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-2036; jayasree.viswakumar@la.gov			
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost (\$1,000's)	\$858	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$858	

Neel-Schaffer is currently working on the 95% final plans for this project. NSI is responsible for providing the geometric layout, preliminary and final roadway plans, traffic control design QA/QC, TMP QA/QC, Sequence of Construction, hydraulic analysis and design, frontage roadways and MOT which maintains access to prosperities during construction. This project will replace the LA 544 Overpass diamond interchange with a roundabout diamond interchange. The project includes a new bridge over I-20, roadway improvements to I-20 and the ramps, roadway widening (from 2 to 4 lanes), sidewalks and four multilane roundabouts. The 4 roundabouts will be constructed with locations as follows: on LA 544 at the I-20 entrance/exit ramp intersections and on LA 544 at its intersections with the frontage roads (Woodward Avenue & S. Service Road). The bridge design and retaining wall design will be completed by DOTD.



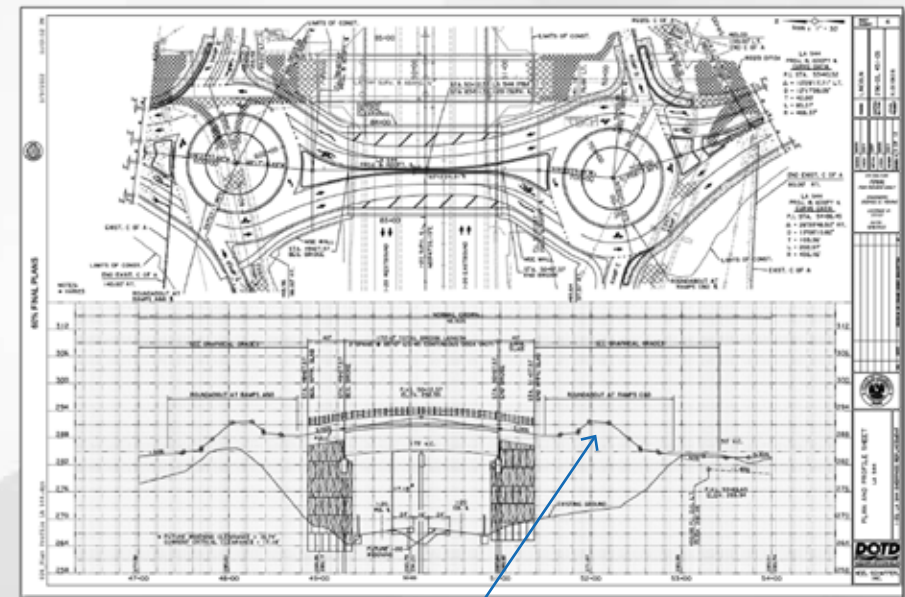
CHALLENGES:

1. Large grade changes required along ramps without impacts to the gores.
2. Structural design by DOTD while roadway design is completed by consultants.

SOLUTIONS:

1. NSI provided for a variation in the ramp design speed (between the ramp proper and terminal) which provided ramp vertical alignments that met the design requirements but prevented changes in access that might require an IMR.
2. NSI completed the design in close coordination with DOTD early on and continually during the design process. NSI proposed alignments minimized the construction phasing for retaining walls, provided for interstate clearances which would allow for future interstate widening and provided desirable bridge phasing while minimizing impacts. NSI and DOTD are working as one team to successfully complete the project

Firm members: Dishili Young Curry, Mai Nguyen, Chance Shuckrow, Scott Andrepont, Josh Schexnider, Nick Ferlito, Jonathan Duhe, and Jacob Thiaville



Design includes Roundabouts on 3% grade

17. FIRM EXPERIENCE

Firm Name	Providence Engineering and Environmental Group LLC		Discipline(s)*	Environmental
Project name	I-49 Inner City Connector Stage 1 Environmental Impact Statement		Firm responsibility (prime or sub?)	Prime
Project number	SPN No. H.003915		Owner's Name	Northwest Louisiana Council of Governments (NLCOG)
Project location	Shreveport, Caddo Parish, LA		Owner's Project Manager	Kent Rogers
Owner's address, phone, email	401 Market Street, Shreveport, LA 71101; (318) 841-5950; kent.rogers@nlcog.org			
Services commenced by this firm (mm/yy)	09/11	Total consultant contract cost (\$1,000's)	\$4,840	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$1,921	

Work consisted of preparation of a NEPA Environmental Impact Statement with Interchange Reports. Project entails conducting all necessary engineering and environmental investigations necessary to obtain environmental clearance on construction of an approximately 3.5-mile connector to link the existing I-49 to a future I-49 North. Additional study area resulting from the addition of a 13-mile alternative extended the work and contract time. Line and grade studies performed to evaluate impacts and continuity of the existing surface street network after construction of the I-49 Connector. These line and grade studies have involved five alternatives and have included both an at-grade location and elevated (by fill or structure) location. The developed alignments and profiles were used to determine construction costs, relocations, and other impacts and costs associated with the various alternatives. Other tasks include managing subconsultants for traffic, outreach, and cultural resources and also include preparation of interchange modification and justification reports for existing and proposed interchanges.

Firm Members: Kerry Oriol, Chad Turner, Rebecca Millano, PWS



Scope of Work Relevant to the Contract

- Project Management
- Public Outreach
- Agency Coordination
- Website Development and Maintenance
- Environmental Data Collection
- Mitigation Planning
- Technical Document Preparation
- Environmental Impact Statement



17. FIRM EXPERIENCE

Firm Name	Providence Engineering and Environmental Group LLC		Discipline(s)*	Environmental; Road
Project name	Sugar House Road Extension		Firm responsibility (prime or sub?)	SUB
Project number	N/A		Owner's Name	Meyer Meyer, LaCroix & Hixson, Inc.
Project location	Rapides Parish, Louisiana		Owner's Project Manager	Robert C. Hughes
Owner's address, phone, email	PO Drawer 5444, Alexandria, LA 71307; (318) 448-0888; Robert.hughes@mmlh.com			
Services commenced by this firm (mm/yy)	10/09	Total consultant contract cost (\$1,000's)	\$75	
Services completed by this firm (mm/yy)	03/26	Cost of consultant services provided by this firm (\$1,000's)	\$75	

The Sugar House Road Extension project was developed to provide an alternative route for heavy commercial and industrial truck traffic, reducing congestion within residential areas of the City of Alexandria. The project extends the existing Sugar House Road corridor from I-49 to LA Highway 1 and includes construction of a new two-lane roadway and a single-lane roundabout at LA Highway 1, improving access to major regional highways.

Providence provided environmental and cultural resource services to support project planning and federal compliance. Providence prepared an Environmental Assessment (EA), Wetlands Findings Report, and other technical documents in accordance with the National Environmental Policy Act (NEPA), including development of the project purpose and need, evaluation of design alternatives, environmental impact analysis, and wetlands delineation.

In addition, Providence conducted a Phase I Cultural Resource Survey in compliance with Section 106 of the National Historic Preservation Act (NHPA). The survey included a 26.30-acre direct Area of Potential Effect (APE) and a 300-foot indirect APE buffer. Previously surveyed areas were reviewed, and remaining acreage was investigated to identify potential cultural resources. Based on the survey, no new cultural material or archaeological sites were encountered. Fifteen aboveground resources (40-05759, 40-05760, 40-05761, 40-05762, 40-05763, 40-05764, 40-05765, 40-05766, 40-05767, 40-05768, 40-05769, 40-05770, 40-05771, 40-05772, and 40-05773) 50 years or older were identified using the Louisiana Division of Archaeology (LA DOA) Cultural Resources online database, historic aerials, topographic maps, and verified during fieldwork. All above ground resources are recommended not eligible for listing in the National Register of Historic Places (NRHP). Therefore, the proposed undertaking will result in a determination of "no historic properties affected," and no further archaeological or aboveground investigations are recommended within the APE.

These efforts supported the Federal Highway Administration's (FHWA) environmental review and provided the City of Alexandria with the documentation necessary to advance the project.

Scope of Work Relevant to the Contract

- NEPA Environmental Assessment Prepared
- Cultural Resource Survey
- Section 106 Compliance Support
- Wetland Delineation & Findings Report
- Alternatives Analysis & Impact Evaluation

Firm Members: Elizabeth Hunt, RPA, Christine Halling, RPA, Morgan Granger, Kerry Oriol



17. FIRM EXPERIENCE

Firm Name	Providence Engineering and Environmental Group LLC		Discipline(s)*	Environmental
Project name	Mississippi River Bridge South GBR: LA 1 to LA 30 Connector Route: New Route		Firm responsibility (prime or sub?)	SUB
Project number	Supplemental Agreement No. 6, SPN H.013284, F.A.P. No. H013284		Owner's Name	LADOTD
Project location	Iberville Parish, Louisiana		Owner's Project Manager	Adam Davis, PE
Owner's address, phone, email	8440 Jefferson Highway, Suite 400, Baton Rouge, LA 70809, (225) 369-6587, adam.davis@oneatlas.com			
Services commenced by this firm (mm/yy)	01/23	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$25

A supplemental agreement was issued by DOTD to Atlas to obtain environmental approvals based on the findings of the complete Enhanced Planning investigation for the proposed new Mississippi River bridge construction. Atlas contracted Providence to assist with this overall project management, environmental documentation support, and related environmental services. Providence's specific scope of work includes ensuring overall NEPA compliance, conducting wetland delineations, and conducting a Phase I Environmental Site Assessment. Providence will also continue to provide agency, stakeholder, and public outreach support during all pre-NEPA phases of the project. Providence anticipates providing more environmental services as the project progresses and potentially during construction.

The wetland delineation encompassed approximately 1,716 acres of forests, agricultural fields/pastures, residential properties, pipeline/utility rights-of-way, highway/railroad rights-of-way, industrial facilities, and Mississippi River levee and batture. Multiple teams of Providence biologists conducted surveys from July to August 2024, collecting field data, habitat descriptions, and other pertinent information in accordance with the 1987 Corps of Engineers Wetland Manual and guidance from the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (USACE, Wetland Regulatory Assistance Program 2010). The resulting Wetland Findings Report documented 364 acres of Section 404 wetlands and 26.78 acres of Section 10/404 wetlands, including bottomland hardwoods, baldcypress/water tupelo swamps, and baldcypress swamps. Additionally, Providence conducted habitat evaluations according to the USACE Louisiana Rapid Assessment Method (LRAM) Habitat Condition factor. Each wetland was classified on the three condition levels by habitat (low, medium, and high) and documented in the Wetland Findings Report.

Scope of Work Relevant to the Contract

- NEPA Compliance & Environmental Review
- Phase I Environmental Site Assessment
- Wetland Findings Report
- LRAM Habitat Assessment
- USACE Regulatory Compliance
- Public Outreach
- Environmental Permitting Support

Firm Members: Kerry Oriol, Chad Turner, Chris Coyne



17. FIRM EXPERIENCE

Firm Name	Bowlby & Associates, Inc.		Discipline(s)*	Environmental
Project name	I-49 Inner City Connector (ICC)		Firm responsibility (prime or sub?)	Sub
Project number	FAP: H003915		Owner's name	Louisiana DOTD
Project location	Shreveport, Caddo Parish		Owner's Project Manager	Bobby Lott
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804-9245, (225) 242-4504, robert.lott@la.gov			
Services commenced by this firm (mm/yy)	05/14	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	Current	Cost of consultant services provided by this firm (\$1,000's)		\$160

Project Description:

The proposed ICC will be a new facility connecting existing I-49 at the I-20 interchange to existing I-49 at the I-220 interchange in Shreveport, Caddo Parish, Louisiana. The project length is approximately 4.7 miles. The ICC will be a fully access-controlled elevated interstate, except for the ramp terminals at the Ford/Caddo Streets and Hearne Avenue interchanges.

Firm's Role:

Sub-consultant to Providence Engineering to conduct the noise and air quality studies. The noise study was conducted per the FHWA noise regulation and the DOTD's Highway Traffic Noise Policy. The study included the identification of noise study areas, measurement and prediction of existing noise levels, model validation, determination of future noise levels, assessment of traffic noise impacts, noise abatement evaluation, discussion of construction noise, information for local officials, and reasonably foreseeable effects. B&A will also participate in a future public meeting.

This Air Quality Impact Assessment (AQIA) was conducted to assess the potential air quality effects of the project per current federal regulations, as well as federal and DOTD guidance. The evaluation addressed the transportation conformity requirements for the project, the potential for the project to violate current carbon monoxide (CO) air quality standards, Mobile Source Air Toxics (MSAT), construction air quality, and reasonably foreseeable effects.

Firm Members: Darlene Reiter; Rennie Williamson; Geoffrey Pratt



17. FIRM EXPERIENCE

Firm Name	Bowlby & Associates, Inc.		Discipline(s)*	Environmental
Project name	Interstate 10 from LA 415 to Essen Lane (I-10/I-12)		Firm responsibility (prime or sub?)	Sub
Project number	FAP: H004010		Owner's name	Louisiana DOTD
Project location	East and West Baton Rouge Parishes		Owner's Project Manager	Bobby Lott
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804-9245, (225) 242-4504, robert.lott@la.gov			
Services commenced by this firm (mm/yy)	10/11	Total consultant contract cost (\$1,000's)	Unknown	
Services completed by this firm (mm/yy)	03/21	Cost of consultant services provided by this firm (\$1,000's)	\$226	

Project Description:

Widening I-10 through Baton Rouge, officially known as the I-10 BR project. The project was a major undertaking designed to alleviate congestion and modernize the interstate corridor, including the reconstruction of several interchanges and the installation of four new noise barriers.

Firm's Role:

Sub-consultant to Providence Engineering to conduct the noise and air quality studies. The noise study was conducted per the FHWA noise regulation and the DOTD's Highway Traffic Noise Policy. The study included the identification of noise study areas: measurement and prediction of existing noise levels, model validation, determination of future noise levels including the effects of structure-borne noise, determination of traffic noise impacts, noise abatement evaluation for 16 areas, discussion of construction noise, information for local officials, and indirect and cumulative effects. B&A also participated in the public meeting.

The Air Quality Impact Assessment (AQIA) was conducted to assess the potential air quality effects of the project per current federal regulations, as well as federal and DOTD guidance. The study involved a transportation conformity evaluation, a CO hot-spot analysis, a quantitative Mobile Source Air Toxics (MSATs) evaluation, a climate change evaluation, and preparation of an Air Quality Impact Assessment Technical Report and air quality section of the EA. B&A worked with DOTD to develop the methodology for the quantitative MSATs analysis, which was approved by the Louisiana FHWA Division Office

Firm Members: Darlene Reiter; Rennie Williamson; Geoffrey Pratt



17. FIRM EXPERIENCE

Firm Name	Bowlby & Associates, Inc.		Discipline(s)*	Environmental
Project name	Sugar House Road Extension		Firm responsibility (prime or sub?)	Sub
Project number	FAP: H008271		Owner's name	City of Alexandria
Project location	Rapides Parish, Louisiana		Owner's Project Manager	Unknown
Owner's address, phone, email	915 Third Street, Alexandria, LA 71309			
Services commenced by this firm (mm/yy)	02/24	Total consultant contract cost (\$1,000's)	Unknown	
Services completed by this firm (mm/yy)	02/26	Cost of consultant services provided by this firm (\$1,000's)	\$26	

Project Description:

Extension of Sugar House Road between Lincoln Road and LA 1, a length of approximately 1.5 miles. The new road will be two lanes, with a single-lane roundabout at LA 1

Firm's Role:

Sub-consultant to Providence Engineering to conduct the noise and air quality studies. The noise study was conducted per the FHWA noise regulation and the DOTD's Highway Traffic Noise Policy. The study included the identification of noise study areas: measurement and prediction of existing noise levels, model validation, determination of future noise levels, determination of traffic noise impacts, noise abatement evaluation for two areas, discussion of construction noise, information for local officials, and reasonably foreseeable effects.

The Air Quality Impact Assessment (AQIA) was conducted to assess the potential air quality effects of the project per current federal regulations, as well as federal and DOTD guidance. The study involved a transportation conformity evaluation, a CO hot-spot analysis, a qualitative Mobile Source Air Toxics (MSATs) evaluation, and preparation of an Air Quality Impact Assessment Technical Report and air quality section of the EA

Firm Members: Darlene Reiter; Rennie Williamson; Geoffrey Pratt

Noise Study Area	Site	Date	Time	Distance to Adjacent Road (ft)	Measured L _{Aeq} (dBA)	Validation Results	
						Predicted L _{Aeq} (dBA)	Predicted - Measured Difference (dB)
1	404 Hudson Blvd	6/12/24	8:44 am – 9:04 am	46 ⁽¹⁾	55.3	N/A	
			3:00 pm – 3:20 pm		54.9		
	507 Hudson Blvd (vacant lot)	6/12/24	3:39 pm – 3:59 pm	60 ⁽¹⁾	53.5	54.4	0.9
			5:36 pm – 5:56 pm		51.6	50.9	-0.7
	816 Hudson Blvd	6/12/24	11:40 am – 12:00 pm	33 ⁽¹⁾	54.9	54.3	-0.6
			5:05 pm – 5:25 pm		59.0	57.1	-1.9
3	3212 Hudson Blvd	6/12/24	10:54 am – 11:14 am	86 ⁽¹⁾	50.9	N/A	
			4:40 pm – 4:55 pm		52.5		
5	3309 Jacks Drive	6/12/24	10:02 am – 10:32 am	N/A	44.8	N/A	
8	15 Aymond Road	6/12/24	12:35 pm – 1:00 pm	230 ⁽²⁾	51.3	N/A	
			4:12 pm – 4:27 pm		51.9		



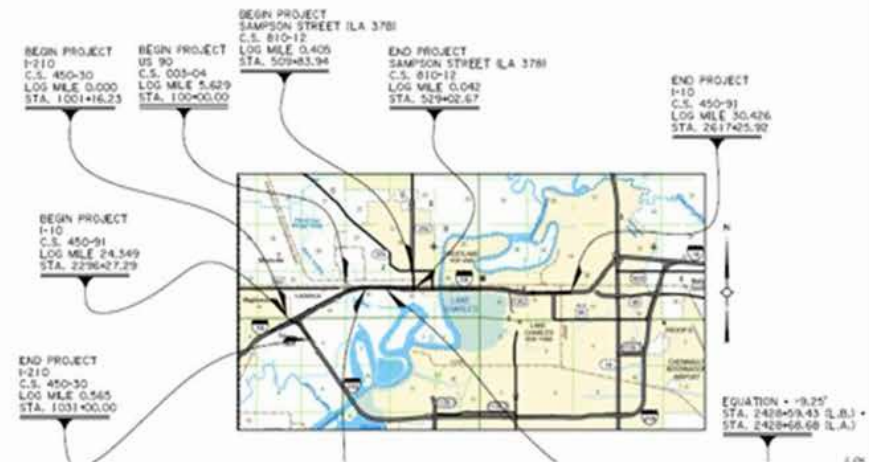
17. FIRM EXPERIENCE

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	The Lakvold Group LLC		Discipline(s)*	Appraiser
Project name	New Orleans Gateway Program – Jefferson Highway Rail Crossing		Firm responsibility (prime or sub?)	Sub
Project number	H.005168		Owner's name	Michael Baker International, Inc.
Project location	Jefferson Parish, Louisiana		Owner's Project Manager	Christopher G. Gesing, P.E.
Owner's address, phone, email	100 Airside Drive, Moon Township, PA 15108-2783; 412-551-3503; cgesing@mbakerintl.com			
Services commenced by this firm (mm/yy)	03/24	Total consultant contract cost (\$1,000's)	Unknown	
Services completed by this firm (mm/yy)	01/25	Cost of consultant services provided by this firm (\$1,000's)	\$10,600	

Firm's Role: Completed Conceptual Stage relocation Plan in 2024 based on preliminary information Updated the plan after consultant with the various government entities with regard to the railroad issues. The plan included viewing the project area, analyzing real estate impacts, determining potential relocation, 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

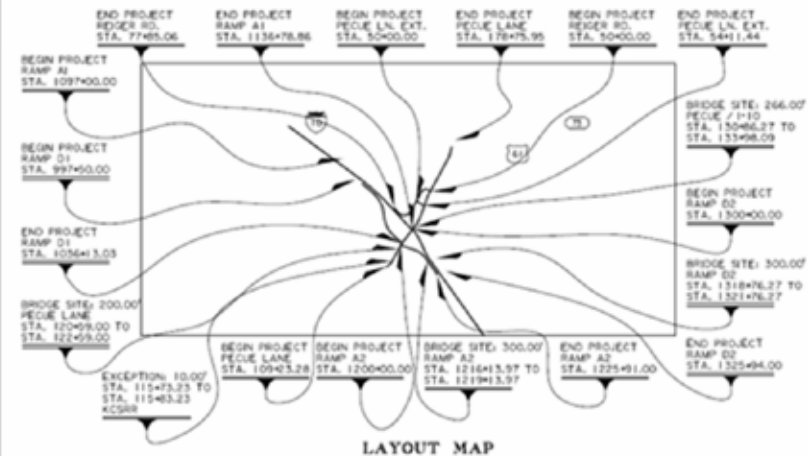
17. FIRM EXPERIENCE

Firm Name	The Lakvold Group LLC	Discipline(s)*	Appraiser
Project name	Pecue Lane/I-10 Interchange	Firm responsibility (prime or sub?)	Sub
Project number	H.003047	Owner's name	City of Baton Rouge – Parish of East Baton Rouge
Project location	Jefferson Parish, Louisiana	Owner's Project Manager	Christopher G. Gesing, P.E.
Owner's address, phone, email	222 Saint Louis Street, 8th Floor, Baton Rouge, Louisiana 70821; 225-389-3159; fraiford@brla.gov		
Services commenced by this firm (mm/yy)	01/19	Total consultant contract cost (\$1,000's)	Unknown
Services completed by this firm (mm/yy)	01/21	Cost of consultant services provided by this firm (\$1,000's)	\$72,300

Firm's Role: Completed appraisals for the acquisition of the right-of-way for the construction of a new interstate interchange and upgrades and extensions of existing roadways.

Project Management and Final Transportation Study Deliverables: These tasks included meeting with property owners, cost consultants, and project managers. Analysis and research of the real estate market and completion of individual appraisals on the various parcels. Appraisals were revised based on map revisions.

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



Firm Members: Angela Lemoine-Lakvold

Section 18

IDIQ CONTRACTS FOR ENVIRONMENTAL SERVICES STATEWIDE

Contract Nos 4400035710 & 4400035711

Legend:

- Dwarf Scrub
- Shrub/Scrub
- Grassland/Herbaceous
- Edge/Herbaceous
- Pans
- Hay
- Crops
- Wetlands
- Herbaceous Wetlands

Map Labels:

- D
- AN DRIVE
- CLEARVIEW ROAD
- RESEARCH DRIVE
- STAR LANDING ROAD
- SE DRIVE
- OLD HWY 51
- NESBIT ROAD
- KAPIK ROAD
- GREEN T ROAD

Contract Nos 4400035710 & 4400035711

v1 Dwarf Scrub*
 Shrub/Scrub
 Grassland/Herbaceous
 Edge/Herbaceous*
 vens*
 w/Hay
 ed Crops
 etlands
 erbaceous Wetlands

18. APPROACH & METHODOLOGY:

BACKGROUND & UNDERSTANDING

The goal of the Stage 1 Environmental Process is to promote a project through the DOTD Project Delivery Process that meets transportation needs while complying with Federal, state, and local environmental laws, policies, and guidance. Stage 1 of the project delivery process is also known as the environmental stage or the “NEPA stage” referencing the National Environmental Policy Act (NEPA) and its tenant components of analyses of impacts and public involvement. This is the stage in project development wherein the feasible alternatives that meet the purpose and need of the project are evaluated and compared to a No Build alternative. In this stage, the effects of the various alternatives on both the natural and human environments are evaluated and documented. At the end of Stage 1, an alternative is selected with a clear description of its scope, budget, and major design features.

It is critical that the project team have proven experience in all the tasks required for the Environmental Process to ensure that decisions made during the process are fact-based, were documented correctly, and accurately described to Stakeholders and the public for review and comment. **Neel-Schaffer, Inc. (NS)** built a team with a select group of firms who have consistently provided top quality service to DOTD over many disciplines and many years. **The NS team includes Providence Engineering and Environmental Group, LLC, Bowlby & Associates, Inc., and the Lakvold Group, LLC.** We will provide NEPA compliant environmental planning, analysis, documentation, permitting, public involvement, and related services as needed to advance transportation projects through project delivery. We will fully comply with FHWA and Louisiana DOTD environmental policies and procedures.

In the sections which follow, we will highlight our understanding of the scope of work included in this contract, our experience and our approach to completing this project.

APPROACH AND METHODOLOGY

IDIQ contracts can include Task Order projects which vary from simple intersection improvements to be documented by a NEPA Categorical Exclusion (CE) or Programmatic CE (PCE) to more complex projects such as Interstate interchanges or new roadway development to be documented by NEPA Environmental Assessments (EA) or Environmental Impact Statements (EIS). Some have minimum impacts and may fit within the existing right of way. Others may require real estate or utility relocations, impact wetlands, hazardous materials, noise impacts and more. We have experience with projects at various complexity levels and will leverage this experience to help effectively advance each Task Order project.

Experience to meet DOTD’s Needs: We offer comprehensive experience that includes the completion of each of the tasks included in this contract. **Over the past 10 years we have worked on over 40 Stage 0s/Feasibility Studies.** Included in that number are some of DOTD’s more complex Stage 0 projects. Past Stage 0s completed by our team members have included end-on-bridge construction to reduce impacts to wetlands, and recommendations for use of geo-grid when it was a relatively unknown option for poor soil conditions. There is no limit to the services we are willing to perform to deliver an effective Stage 0 study.

Robust Stage 0 studies lead to fewer unknowns in the Environmental Process. We know that surprise issues may remain unknown; however, our team is flexible and able to “design around” to avoid an

issue, minimize potential impacts, or to develop or coordinate mitigations for unavoidable impacts.

NS’ **Dishili Young Curry** and **Kara Moree**, led the completion of groundbreaking environmental Stage 0 studies as part of H.010571 LA 70 Bypass Stage 0 Study. For example, as part of this project the environmental professionals invented a method for determining what is the required safe buffer distance between the roadway and well vents used to remove potentially hazardous chemicals from the Bayou Corne Sinkhole in Assumption Parish.

NS’ **Vijay Kunada, Kara Moree, Maria Bernard Reid**, and **Chuck Leboeuf** were instrumental members of the H.013274 Mississippi River Bridge South GBR: LA 1 to LA 30 Connector. The team identified 32 alternative corridors, developed mesoscopic models especially for this project and its expected regional changes to transportation patterns, held public outreach events, screened alternatives to the three alternative corridors that best met the project’s purpose and need, and documented the process in the first approved Planning and Environment Linkages (PEL) document in Louisiana.

The keys to a successful Environmental Process of a project include:

- **A multidisciplinary team is established early, with disciplines based on the needs of the specific project, and with the inclusion of the public.**

We have purposely selected team members with meaningful experience completing Stage 1 and Stage 3 projects for DOTD. This means we are fully capable of identifying what elements will impact a specific project. These are elements which we have spent our professional careers addressing. We can identify them and address or propose mitigation for their impact, prior to the project’s advancement.

NS team member Providence Engineering and Environmental Group ensures that we have bench strength to meet the potential needs for each Task Order/Project. Bowlby & Associates and the Lakvold Group will provide specialty services in Noise Analyses and Air Quality, and Conceptual Stage Relocation Plans respectively.

- **The purposes of the project are clearly defined, and consensus on the scope is forged before proceeding. The project satisfies the purpose and need as agreed to by a full range of stakeholders.**
- **The project development process is tailored to meet the circumstances. This process should examine multiple alternatives that will result in a consensus of approach methods.**
- **The landscape, the community, and valued resources are understood before engineering design is started.**

NS has developed many projects through DOTD’s Stage 0 process. As projects progress into Stage 1, we may already know the project details, challenges, and opportunities, physical and political landscapes, and the stakeholders involved. Through open communication with DOTD, we will listen to DOTD’s goals and objectives for each project, define and refine the purpose and need, and determine the task order’s scope prior to proceeding with the project. Not all projects are processed through the NEPA phase in the same way for many different reasons. NS’s professionals will review existing project data and the project’s purpose and need to recommend an appropriate class of action (PCE, CE, EA, or EIS).

- **Communication with all stakeholders is open, honest, early, and continuous.**

18. APPROACH & METHODOLOGY:

- Stakeholders are involved with transportation officials in the scoping phase.
- A commitment to the process from top agency officials and local leaders is secured.
- The public involvement process, which includes informal meetings, is tailored to the project.
- A full range of tools for communication about project alternatives is used (e.g., visualization, social media, etc.).

The NS team is committed to robust, open, honest stakeholder and public involvement throughout all phases of project development. During Metropolitan Planning Organization (MPO) Master Plan development, we have conducted typical open house-style public meetings, as well as “meeting the public where they are” with setting up outreach displays and collecting feedback at local libraries, during festivals, and at events. Projects affect the public on different levels and across different geographic areas. For example, a bridge replacement on a low-traffic rural state highway may not be the focus of everyone in a Parish. However, for the population reliant on that bridge to access employment, education, grocery stores, or church, that bridge is their connection to everything. Tailoring project outreach is an important focus to get the most benefit of public outreach.

EIGHT WORK CATEGORIES

1. NEPA Class-of-Action Development and Documentation: The NS team will develop NEPA documents (PCE, CE, EA, and EIS), conduct project scoping, research and recommend NEPA class-of-action for impact analyses, reevaluate existing NEPA documents based on proposed changes to project designs or due to FHWA's established timeframes for reevaluation, and prepare tiered environmental documents when prudent.

2. Resource-Specific Technical Analyses: The NS team will share responsibilities to complete high quality technical analyses as needed by project. The team member firm(s) responsible for each specific resource are identified below.

	Neel-Schaffer	Providence	Bowlby	Lakvold
Wetlands & Waters of the US	◆	◆		
Water Quality	◆	◆		
Floodplain Studies	◆			
Coastal Zone Permitting	◆	◆		
Threatened and Endangered species surveys & Biological Assessments	◆	◆		
Cultural Resources/Section 106 Compliance	◆	◆		
Section 4(f) analyses	◆	◆		
Noise Studies			◆	
Air Quality & Greenhouse Gas Analyses			◆	
Hazardous Materials Assessments	◆	◆		
Community Impacts	◆	◆	◆	◆
Farmland Impacts	◆	◆		◆

	Neel-Schaffer	Providence	Bowlby	Lakvold
Visual/Aesthetic Studies	◆			
Navigation & Bridge Permit Studies	◆	◆		

The following environmental field studies will be conducted as needed by project or task order.
DOTD will be notified before and after each field visit is conducted.

Wetlands: Biologists on the NS team 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 aeriels. With landowner access, our team 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 will be provided for team review.

When impacts to wetlands are quantified, the NS team will prepare permit applications as required by the US Army Corps of Engineers (USACE) for Clean Water Act and Rivers and Harbors Act. If the project is in the Coastal Zone, a Joint Permit Application will be submitted to the Louisiana Department of Conservation and Energy (LDC&E).

Threatened & Endangered Species Surveys: Biologists on the NS team will conduct habitat assessments to determine the likelihood of presence of species included on the Threatened and Endangered Species List as regulated by the Endangered Species Act within each project area. The team's biologists will determine if the project would potentially impact protected species and coordinate with USFWS with DOTD's permission.

Cultural Resources: In compliance with the National Historic Preservation Act (NHPA), the NS team's archaeologists 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. **FHWA will conduct all official coordination with the tribes.** The findings and impact assessments of the field surveys will be incorporated into the NEPA document.

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.

Hazardous Materials Assessments/Phase I ESA: If a project requires right-of-way, generally a Phase I Environmental Site Assessment (ESA) is required. The team will conduct the assessment in conformance with DOTD and FHWA guidance and the ASTM standards.

3. Public Involvement and Agency Coordination: We understand the critical importance of public information and involvement in transportation decision making. The NS team will plan and conduct public outreach the needs of each project while meeting the requirements of NEPA and DOTD's Public

Involvement Procedures for Stage 1 Environmental Process. We will plan and conduct Public Meetings and Hearings and prepare Public Notices, meeting materials, transcripts, and responses to public comments. **All meeting materials will be provided to DOTD for review and approval prior to stakeholder and/or public release.** We will identify state and local agency stakeholders, and conduct outreach for each project. The NS team will conduct public outreach as required under Title VI of the Civil Rights Act to engage minority, low-income, and limited English proficiency populations.

4. NEPA Process Management and Specialty Services: The NS team will provide NEPA process management supporting DOTD Environmental Section with specialty services.

The team will develop or review and update DOTD's environmental procedures, manuals, templates, and technical documents, as directed. Standard operating procedures can be reviewed, documented and updated according to changes in regulations.

The IDIQ nature of the contract will allow for direct task orders to be issued for the NS team to quickly address emergency and expedited environmental actions. For example, NS responded to the Bayou Corne sink hole by preparing the LA 70 Bypass Stage 0 Study, as discussed previously.

To enhance NEPA Process Management capabilities within DOTD, the team will evaluate the existing methods of tracking environmental commitments and mitigations and how each project's administrative record is maintained. The team will develop a process to carry the commitments and mitigations from the NEPA phase through to compliance during the construction phase. Administrative records should be maintained as a back-up system of project decisions, schedules, design iterations, impact assessments, stakeholder meetings, etc. In the past, administrative records looked like stacks or boxes of paper documents. We can reduce the "bulk" of administrative records by creating digital indices that link pdf copies of these documents.

5. Alternatives Development and Environmental Integration:

Purpose and Need Development: The purpose and need will be refined based on the findings of the feasibility study and supported by traffic, safety data and any other additional information which is gathered during the completion of the project.

Alternative Development and Screening: Based on traffic and safety analysis, the NS team will develop alternatives that meet each project's purpose and need. 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).

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.

NS can prepare a PEL checklist consistent with 23 CFR 450 (Planning regulations) and other FHWA policy on Planning and Environmental Linkage (PEL) process, if directed by DOTD.

6. Traffic Analyses: This approach is discussed in a general sense for a generic project; however, project-specific details will greatly steer the analyses conducted for actual projects.

During the Environmental Phase, the traffic and safety findings developed during the Stage 0 Feasibility Study, are refined and will be scaled to the applicable NEPA class of action and coordinated with the DOTD Traffic Engineering Section. The analyses will support purpose and need, alternatives development, environmental technical studies, and defensible project decision-making in accordance with DOTD traffic engineering directives, FHWA guidance, the Highway Capacity Manual, the Highway Safety Manual, the MUTCD, AASHTO design guidance, and DOTD's Traffic Engineering Process and Report requirements.

NS will review available feasibility study data, DOTD and MPO traffic information, HPMS/HSIP data, crash records, probe-based travel time data, prior models, signal timing, queue information, and previously approved growth assumptions. If new or updated analyses are needed, we will prepare a data collection and modeling protocol for DOTD approval before beginning work. Data collection may include ATR counts, peak-period and 24-hour turning movement counts, vehicle classification, pedestrian and bicycle counts, travel-time runs, origin-destination information, queuing observations, and signal operations data.

For forecasting and operations, we will develop base-year and design-year traffic forecasts using DOTD's statewide travel demand model, applicable MPO models, or other DOTD-approved methods. Forecasts may include AADT, DDHV, and turning movements for each alternative, with documented growth rates, assumptions, and NEPA-relevant considerations such as induced travel or land-use feedback. Operational analyses will evaluate existing, no-build, and build conditions using HCM procedures and DOTD-approved tools such as Synchro/SimTraffic, HCS, VISSIM, CORSIM, Aimsun, or equivalent software, depending on project complexity.

Safety analyses will use at least five years of DOTD crash data. We will identify overrepresented crash types, systemic risk factors, and location-specific safety issues, with added review of fatal and serious injury crashes, unusual collision types, and miscoded crashes near intersection influence areas. Where appropriate, we will apply Highway Safety Manual predictive methods, safety performance functions, crash modification factors, Road Safety Audits, and benefit-cost analysis to compare alternatives and evaluate countermeasures.

Traffic outputs will support maintenance-of-traffic planning and related environmental studies. We will evaluate conceptual MOT strategies, detour routes, construction phasing, work-zone impacts, incident-management needs, and Transportation Management Plan considerations for significant projects. Environmental inputs may include TNM traffic data for noise modeling; MOVES and dispersion-model inputs for air quality and conformity analyses; Mobile Source Air Toxics (MSAT) screening, including qualitative or quantitative assessments as appropriate; VMT and greenhouse gas estimates; and transportation-access information for community impact assessments, school-bus routing, emergency response, and access management.

Deliverables will be concise, readable, and formatted for DOTD review and reuse.

7. Pre-NEPA, Feasibility, and General Environmental Services: The Team will conduct a **Pre-NEPA Environmental Inventory** which will include a preliminary environmental review of the project area to identify any project show-stopping issues or constraints that could potentially influence early determination of the project's feasibility, timing and cost. This includes researching

and addressing each item on the Stage 0 Environmental Checklist, if a checklist has not already been completed. We will complete DOTD's Environmental Inventory and Checklist and include the results in the feasibility report.

Analysis of each alternative, including the no-build, will be made to the extent practicable. Items considered will include social, economic, historic, cultural, recreational, archaeological, noise, air, wetlands, floodplains, endangered or threatened species and/or their habitat, and farmland. The National Wetlands Inventory Mapper will be utilized to identify possible wetlands along the project site. We will obtain an Environmental Data Resources, Inc. (EDR) report to identify and define Hazardous Materials sites, underground storage tanks adjacent or near project limits. We will identify and define natural or man-made constraints to project development within the project's limits, using field reconnaissance and aerial photography. This task uses publicly available data sets and field review to locate community resources, utilities, and more. We will produce an Environmental Avoidance map which shows the proposed project in relation to environmental sites and refine the alternatives as needed to avoid impacts. Early-stage environmental screenings, feasibility studies, data collection, research, and technical memoranda to identify environmental or permitting issues before formal NEPA processing.

Desktop or publicly available data will be supplemented by field technical reports upon completion of field work.

The NS team will prepare permit applications and coordinate with regulatory agencies as required until permits are issued. All permit applications and coordination will be approved by DOTD prior to submittal to the agencies. Permit coordination includes permits under the jurisdiction of the USACE, US Coast Guard, Louisiana Department of Environmental Quality, Louisiana Department of Wildlife and Fisheries, and LDC&E.

8. Non-Federal Aid Project Delivery: The NS team will provide environmental services for projects that may not use Federal funding, including permitting, approvals, outreach, technical analyses, and documentation necessary for project implementation.

TYPICAL DELIVERABLES

Due to the nature of this contract, many different types of tasks can be awarded. Thus, many different types of documentation will be submitted to DOTD. All deliverables will be submitted to DOTD electronically.

The NS team expects to deliver:

- Environmental documents (CEs, EAs, EISs)
- Biological Assessments
- Noise and air quality reports
- Floodplain and hydraulic studies
- Stakeholder Contact Lists
- Alternative analyses
- Permit Applications
- Manuals, SOPs, templates, and checklists.
- Wetland delineations and findings
- Cultural resource reports
- Traffic and safety studies
- Public meeting materials and transcripts
- GIS databases and mapping
- Mitigation plans
- Administrative Records

	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
A. Contract/Project Management																								
B. Pre-NEPA Activities (Approximately 12 months)																								
1. Draft Project Management Plan																								
2. Refine Purpose & Need																								
3. Identify Stakeholders / Cooperating Agencies																								
4. H&H																								
5. Traffic Data Collection																								
6. Traffic Analysis / Corridor Study																								
7. Line & Grade / Typical Sections																								
8. Bridge Concept Study																								
9. Initiate Technical Environmental Analysis / Field Work																								
10. Conceptual Cost Estimate																								
11. Draft Financial Plan																								
C. Environmental Evaluation (Example EA - 12 months)																								
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																								

Quality Control and Quality Procedures: NS has adopted an internal Quality Assurance Program Policy and Procedure Manual. Activities included with the services provided by NS will be in accordance with the Quality Assurance Program fully integrated into the management and operation of the Company. Prior to submittal, all deliverables will be reviewed by a qualified NS personnel to ensure that the study/design and submittals adhere with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality.

Project Overview: NS will provide a detailed summary of the scope of work to be performed for each task order. The task orders will include the services described in the advertisement. The NS team will develop a Project Management Plan and Project Schedule for each task order assigned under this contract. The Project Management Plan and Schedule preparation will include coordination with DOTD, FHWA, USACE, USCG, USFWS, LA SHPO, Tribes, and other agencies that may have jurisdiction over or interest in resources within the project area.

Progress Reporting: NS will develop a schedule using Microsoft Projects for each task assignment based on the project overview and team organization. We will provide monthly progress reports as well as updated schedules to ensure the project schedule is maintained. The report includes a progress chart indicating the percent of time elapsed and percent of work completed. The report will also include a discussion of the previous month's progress on the project, problems encountered, unresolved issues and the anticipated work effort for the next reporting period. All the monthly progress reports will be included in the monthly invoices to DOTD.

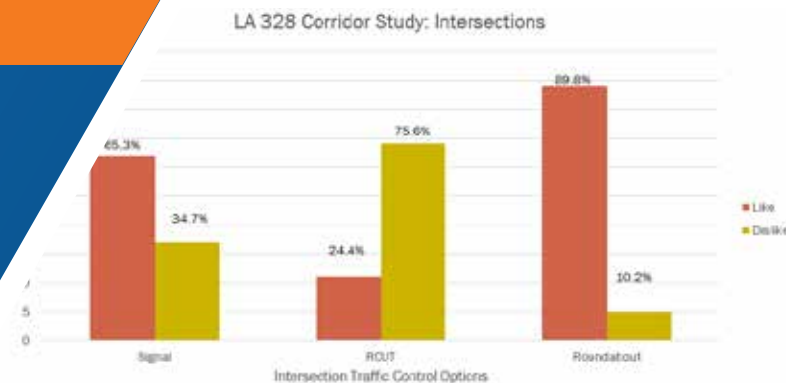


Sections 19-21

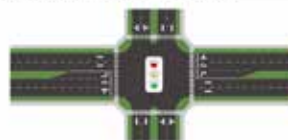
IDIQ CONTRACTS FOR ENVIRONMENTAL SERVICES STATEWIDE

Contract Nos 4400035710 & 4400035711

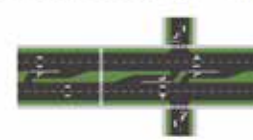
We conduct public outreach with methods that allow us to quantify the results. For example, our LA 328 Stage 0 study showed the public different intersection types (top image) and the public voted on which they favored. This was presented in tables (lower image) in the report.



Signalized Intersection



Restricted Crossing U-Turn



Modern Roundabout



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)	\$43,393
	Traffic	4400010428 S.A. 6, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	\$70,974
	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	\$17,644
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	\$20,000
	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	\$25,388
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	N/A
	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	N/A
	Planning	4400018271, H.014746.1	LA 383 Corridor Study	\$80,319
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	\$50,741
	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	\$19,115
	Road	4400024927, H.015226.5, SA #1	US 90: Roundabout at LA 101, S.A. #1	\$102,157
	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	N/A
	Traffic	4400025299, H.016168.1	Baton Rouge Northern Bypass Expressway	\$152,481
	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)	\$117,697
	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	N/A
	Traffic	4400023689, H.015574.5	LCG FYA Signal Improvements Phase 2	\$193,149
	Road	4400031591, H.015574.5	LCG FYA Signal Improvements Phase 2	\$240,503
	Other (Program Management)	4400027987, H.015373.1	LRSP and SRTPP Program Management	\$211,251
	Road	4400024927, H.016158.5	LA 182: Greenwood St. Overpass (on hold and should not count as backlog)	\$1,759
	Traffic	4400028585, H.014516.5	Mills Ave & Rees St Intersection Imp	\$56,957
	Traffic	4400023689, H.015227. S.A. #1	US 61 @ Victoria Dr. Ped Crossing, S.A. #1	\$3,064
	ITS	4400029436, H.011504.6	Alexandria Phase 2 Technical Support	\$17,605
	ITS	4400029436, H.016447.1	DMS Decom & Updates SEA	N/A
	ITS	4400029436, H.015136.1	Monroe ITS Architecture	\$34,525
	ITS	4400029436, H.013711.1	Northshore Phase 3 ITS Deployment	\$97,777



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.006474.5	Shreveport Immediate ITS Phase 2B	\$277,757
	ITS	4400029436, H.016447.5	Statewide DMS Decommission & Upgrades	\$15,784
	CE&I/OV	4400029441, H.011446.6	Mound Rest Area Renovations	\$37,800
	Other (Electrical)	4400029441, H.015218.5	Grand Prairie Safety Rest Area Lighting	\$2,802
	Other (Electrical)	4400029441, T.O. #3	Butte LaRose Rest Area Lighting	\$2,179
	Traffic	4400025299, H.014305.1	US 61: Cardinal Drive to Bert Street	\$122,597
	Traffic	4400025299, H.016437.5	US 190: Wooddale to Livingston P/L	\$83,654
	Road	4400024927, H.015640.5	LA 150 & LA 818: Roundabout	\$330,666
	Traffic	4400025299, TO #7	District 05 Study Reviews	\$300,000
	Traffic	4400032380, H.016019.5	Downing Pines at Mane St. Roundabout	\$131,646
	Other (Hydraulics)	4400032380, H.016019.5	Downing Pines at Mane St. Roundabout	\$23,072
 Providence Engineering and Environmental Group LLC	CE&I/OV	4400015191; H.004634	IDIQ Contract for Construction Engineering TASK 1 Management and Staff Augmentation Services for District 62	\$419,054
	Environmental	4400017438; H.013284	Supplemental Agreement No. 6 MRB South GBR: LA 1 to LA 30 Connector	\$133,779
	Environmental	H. 004791	Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project	\$164,603
	CE&I/OV	4400031953, H.012587.6, FAP No. H012587	I-10: W End of BR 290 - W End of LA 415 (CE&I) Route: I-10	\$1,075,298
 Bowlby & Associates, Inc.	Environmental	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector Project	\$90,866
	Environmental	4400034603, H.003915	I-49 Inner City Connector (ICC)	\$5,132
 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	\$120,000
	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 Par-ish, LA	\$12,000
	Appraiser	SPN H.009837	LA 64 Roundabout @LA 1019, Livingston	\$32,000
	Appraiser	SPN H.002868	I-49 S. Amb Caffery/US 90, Lafayette	\$12,000



SEE ATTACHED



State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

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)

Registered Agent(s)

Agent: CORPORATION SERVICE COMPANY

Address 1: 450 LAUREL STREET, 8TH FLOOR
City, State, Zip: BATON ROUGE, LA 70801
Appointment Date: 11/9/2012

Officer(s)

Additional Officers: No

Officer: CHRIS SELLERS
Title: Director
Address 1: 4450 OLD CANTON ROAD
Address 2: SUITE 100
City, State, Zip: JACKSON, MS 39211

Officer: MELINDA MCGRATH
Title: Director
Address 1: 4450 OLD CANTON ROAD
Address 2: SUITE 100
City, State, Zip: JACKSON, MS 39211

Officer: J. CLARK ROBINSON
Title: Director
Address 1: 4450 OLD CANTON ROAD
Address 2: SUITE 100
City, State, Zip: JACKSON, MS 39211

Officer: ROBERT R. WALKER
Title: Director
Address 1: 4450 OLD CANTON ROAD
Address 2: SUITE 100
City, State, Zip: JACKSON, MS 39211

Officer: JOEY HUDNALL
Title: President, Director
Address 1: 4450 OLD CANTON ROAD
Address 2: SUITE 100
City, State, Zip: JACKSON, MS 39211

Officer: EDWARD J. EVERITT
Title: Secretary
Address 1: 4450 OLD CANTON ROAD
Address 2: SUITE 100
City, State, Zip: JACKSON, MS 39211

Officer: VIJAY KUNADA
Title: Director
Address 1: 4450 OLD CANTON ROAD
Address 2: SUITE 100
City, State, Zip: JACKSON, MS 39211

Officer: NICK FERLITO
Title: Director
Address 1: 4450 OLD CANTON ROAD
Address 2: SUITE 100
City, State, Zip: JACKSON, MS 39211

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

Felix A. Calvane
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert J. Brouillette
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

Felix A. Calvane
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert J. Brouillette
Authorized instructor



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

Felix A. Calvane
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert J. Brouillette
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

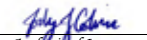
Charles Adams

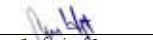
for completing the

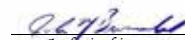
Traffic Engineering Analysis Process & Report Module 1

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 Adams

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

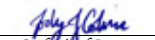
Charles Adams

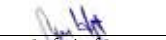
for completing the

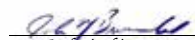
Traffic Engineering Analysis Process & Report Module 3

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

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

Kirk Gallien

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

Poly Galbraith
Authorized Instructor

Don Holt
Authorized Instructor

Robert J. Smith
Authorized instructor



Certificate of Completion

presented to

Kirk Gallien

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

Poly Galbraith
Authorized Instructor

Don Holt
Authorized Instructor

Robert J. Smith
Authorized instructor



Certificate of Completion

presented to

Kirk Gallien

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

Poly Galbraith
Authorized Instructor

Don Holt
Authorized Instructor

Robert J. Smith
Authorized instructor



Certificate of Completion

presented to

William Case Fulcher

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

William Fulcher

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

William Fulcher

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

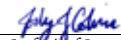
Ellen B. Howard

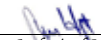
for completing the

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

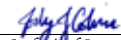
Charles LeBoeuf

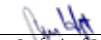
for completing the

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

John J. Calver
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert J. Burch
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

John J. Calver
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert J. Burch
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

John J. Calver
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert J. Burch
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 A. Colina
Authorized Instructor

Don Holt
Authorized Instructor

Brandon Perilloux
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 A. Colina
Authorized Instructor

Don Holt
Authorized Instructor

Brandon Perilloux
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 A. Colina
Authorized Instructor

Don Holt
Authorized Instructor

Brandon Perilloux
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





National Highway Institute

Certificate of Training

Maria Reid

has participated in

NHI Course No. 142005

NEPA and Transportation Decisionmaking

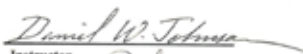
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LA DOTD/LTRC

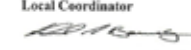
Date: February 18-20, 2014

Hours of Instruction: 18

Location: Baton Rouge, LA


Instructor

Instructor


Local Coordinator

Richard Barnaby, Director
National Highway Institute



National Highway Institute

Certificate of Training

Kara Knott

has participated in

NEPA and Transportation Decision Making

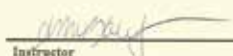
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LA DOTD/LTRC

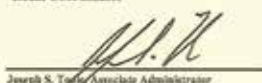
Date: March 18-20, 2008

Hours of Instruction: 18

Location: Baton Rouge, LA


Instructor

Instructor


Local Coordinator

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



National Highway Institute

Certificate of Training

Ellen Soll

has participated in

NEPA and Transportation Decision Making

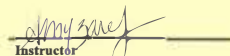
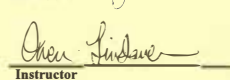
hosted by

LA DOTD/LTRC

Date: March 18-20, 2008

Hours of Instruction: 18

Location: Baton Rouge, LA


Instructor

Instructor


Local Coordinator

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

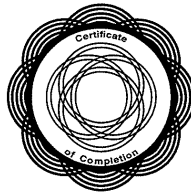


Certificate of Completion

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

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
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>



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
Barbara J. Tiner, President

April 2003
Date

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



James W. Harpist
Executive Director

Transportation Professional Certification Board Inc.

1027 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0000 • www.tpcb.org



Ms. Ellen Burke Howard, P.E., PTOE, RSP1:

We want to congratulate you and thank you for renewing your certification as a PTOE. The Transportation Professional Certification Board and staff commend you on your commitment to your profession and stand ready to assist you. Some important things to note:

1. Your certification is renewed through 8/1/2026.
2. You will not be receiving a new certificate as the one sent to you originally does not indicate an expiration date and can be displayed as long as you are a PTOE. Your certificate does indicate your original certification date.
3. At the end of the three-year period, your certification will need to be renewed again. This can be done without examination provided you have met the continuing education requirements and submitted the necessary [PDHs/CMEs](#).
4. Just a reminder that you can use the free [Record-keeping System](#) if you are an ITE member, but if you are a non-member, you may use this template to keep track of your credits:
<https://www.tpcb.org/TPCB/assets/File/PUBLISHED/TPCB%20Template%20for%20PDH%20Uploading%20Fillable.pdf>

We thank you for your continuing support of the Certification Program and wish you the best of luck in the coming years.

Sincerely,

Joseph C. Baliskus, P.E., PTOE, RSP1
Chair, Transportation Professional Certification Board

Transportation Professional Certification Board, Inc.

certifies that

Jonathan Paul Duhe

*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 4418 issued in Washington, DC, USA*

3/18/18


Michael R. Park
Chair




Jeffrey F. Panisci
Executive Director

From: Ann O'Neill <aoneill@ite.org>
Sent: Thursday, January 29, 2026 10:29 AM
To: Jonathan Duhe <jonathan.duhe@neel-schaffer.com>
Subject: FW: PTOE Renewal (2024)

You don't often get email from aoneill@ite.org. [Learn why this is important](#)

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Jonathan,

You are not due to renew your PTOE until March 2027
Your RSP1 is due in July 2028.

You have no action items at this time.

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*


Michael D. Park
Chair




Jeffrey J. Bonatti
Executive Director

Mr. Brandon D. Perilloux, P.E., PTOE, RSP1

We want to congratulate you and thank you for renewing your certification as a PTOE. The Transportation Professional Certification Board and staff commend you on your commitment to your profession and stand ready to assist you. Some important things to note:

1. Your certification is renewed through 3/18/2027.

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
PROVIDENCE ENGINEERING AND ENVIRONMENTAL GROUP LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: PROVIDENCE ENGINEERING AND ENVIRONMENTAL GROUP LLC
Charter Number: 34914727K
Registration Date: 3/23/2000
Domicile Address

11124 JULIA AUBIN DRIVE
 BATON ROUGE, LA 70809

Mailing Address

11124 JULIA AUBIN DRIVE
 BATON ROUGE, LA 70809

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 3/23/2000
Last Report Filed: 2/23/2026
Type: Limited Liability Company

Registered Agent(s)

Agent: GEORGENE MUNOZ
Address 1: 11124 JULIA AUBIN DRIVE
City, State, Zip: BATON ROUGE, LA 70809
Appointment Date: 3/20/2023

Officer(s)

Additional Officers: No

Officer: AIMEE KILLEEN
Title: Manager
Address 1: 11124 JULIA AUBIN DRIVE
City, State, Zip: BATON ROUGE, LA 70809

Officer: WAYNE SMITH
Title: Manager
Address 1: 11124 JULIA AUBIN DRIVE
City, State, Zip: BATON ROUGE, LA 70809

Officer: GEORGENE MUNOZ

https://coraweb.sos.la.gov/commercialsearch/CommercialSearchDetails_Print.aspx?CharterID=544768_03971C6007

1/2

Title: Manager
Address 1: 11124 JULIA AUBIN DRIVE
City, State, Zip: BATON ROUGE, LA 70809

Mergers (2)

Filed Date	Effective Date:	Type	Charter#	Chater Name	Role
12/29/2014	12/31/2014	MERGE	34914727K	PROVIDENCE ENGINEERING AND ENVIRONMENTAL GROUP LLC	SURVIVOR
			41295216K	PROVIDENCE/ORIS, LLC	NON-SURVIVOR
9/30/2020	9/30/2020	MERGE	34914727K	PROVIDENCE ENGINEERING AND ENVIRONMENTAL GROUP LLC	SURVIVOR
			36933072K	PROVIDENCE HOLDING GROUP, LLC	NON-SURVIVOR
			37124715K	PROVIDENCE ENGINEERING AND DESIGN, LLC	NON-SURVIVOR

Amendments on File (15)

Description	Date
Appointing, Change, or Resign of Officer	7/9/2008
Appointing, Change, or Resign of Officer	11/16/2009
Domestic LLC Agent/Domicile Change	1/11/2013
Appointing, Change, or Resign of Officer	4/14/2014
Merger	12/29/2014
Appointing, Change, or Resign of Officer	12/29/2014
Appointing, Change, or Resign of Officer	3/7/2016
Appointing, Change, or Resign of Officer	10/31/2018
Appointing, Change, or Resign of Officer	8/7/2019
Domestic LLC Agent/Domicile Change	10/23/2019
Domestic LLC Agent/Domicile Change	11/19/2019
Merger	9/30/2020
Appointing, Change, or Resign of Officer	4/29/2021
Appointing, Change, or Resign of Officer	5/20/2025
Domestic LLC Agent/Domicile Change	7/2/2026

Print

https://coraweb.sos.la.gov/commercialsearch/CommercialSearchDetails_Print.aspx?CharterID=544768_03971C6007

2/2

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

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

Previous Names

Business: BOWLBY & ASSOCIATES, INC.
Charter Number: 40736449F
Registration Date: 2/2/2012
Domicile Address

2200 21ST AVENUE SOUTH, SUITE 300
NASHVILLE, TN 372125652

Mailing Address

2200 21ST AVENUE SOUTH, SUITE 300
NASHVILLE, TN 372125652

Principal Business Office

2200 21ST AVENUE SOUTH, SUITE 300
NASHVILLE, TN 372125652

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: 2/2/2012
Last Report Filed: 2/2/2026
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent: CORPORATION SERVICE COMPANY
Address 1: 450 LAUREL STREET, 8TH FLOOR
City, State, Zip: BATON ROUGE, LA 70801
Appointment Date: 2/10/2023

Officer(s)

Additional Officers: No

https://coraweb.sos.la.gov/commercialsearch/CommercialSearchDetails_Print.aspx?CharterID=969596_85A985F320

1/2

Officer: DARLENE REITER
Title: President, Director
Address 1: 2200 21ST AVENUE SOUTH, SUITE 300
City, State, Zip: NASHVILLE, TN 372125652

Officer: GEOFFREY PRATT
Title: Secretary/Treasurer, Director
Address 1: 2200 21ST AVENUE SOUTH, SUITE 300
City, State, Zip: NASHVILLE, TN 372125652

Amendments on File (4)

Description	Date
Stmt of Chg or Chg Prin Bus Off	1/5/2017
Stmt of Chg or Chg Prin Bus Off	1/29/2018
Stmt of Chg or Chg Prin Bus Off	2/10/2023
Stmt of Chg or Chg Prin Bus Off	9/1/2023

Print

https://coraweb.sos.la.gov/commercialsearch/CommercialSearchDetails_Print.aspx?CharterID=969596_85A985F320

2/2

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

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
Appointment Date: 10/20/2022

Officer(s)

Additional Officers: No

Officer: DAVID EARL LAKVOLD
Title: Member
Address 1: 6812 SOUTH WOODGATE COURT

City, State, Zip: BATON ROUGE, LA 70808

Officer: ANGELA LOUISE LEMOINE LAKVOLD

Title: Manager, Member

Address 1: 6812 SOUTH WOODGATE COURT

City, State, Zip: BATON ROUGE, LA 70808

Amendments on File (3)

Description	Date
Restated Articles	5/28/2010
Domestic LLC Agent/Domicile Change	10/20/2022
Domestic LLC Agent/Domicile Change	3/26/2026

Print

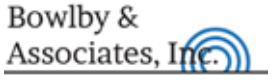
21. QA/QC PLAN

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



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
 Providence Engineering and Environmental Group LLC	11124 Julia Aubin Drive Baton Rouge, LA 70809	Chad Turner chadturner@providenceeng.com	225.766.7400
 Bowlby & Associates, Inc.	7003 Chadwick Drive, Suite 258 Brentwood, TN 37027	Darlene D. Reiter dreiter@bowlbyassociates.com	615.236.6784
 The Lakvold Group LLC	4520 Jamestown Avenue, Suite 6 Baton Rouge, LA 70808	Angela Lemoine-Lakvold angie@thelakvoldgroup.com	225.248.9984

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.

