August 1, 2024

PROPOSAL

Engineering and Related Services

CONTRACT NO. 4400029441

IDIQ CONTRACT FOR STATEWIDE FACILITIES & REST AREA ENGINEERING SERVICES

Project Manager
Don Lancaster, PE
Don.Lancaster@neel-schaffer.com
504.875.4662

NEEL-SCHAFFER
Solutions you can build upon

Sections ***1-11***

CONTRACT NO. 4400029441

IDIQ CONTRACT FOR STATEWIDE FACILITIES & REST AREA ENGINEERING SERVICES

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

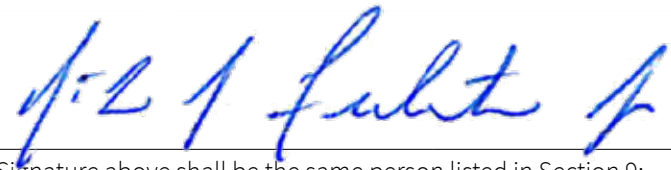
(Revised January 1, 2023)

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 CONTRACT FOR STATEWIDE FACILITIES AND REST AREA ENGINEERING SERVICES** Statewide
2. **Contract Number(s)** as shown in the advertisement	**4400029441**
3. **State Project Number(s)**, if shown in the advertisement	**N/A**
4. **Prime consultant name** (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	**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**	**Nick Ferlito, PE, PTOE** *Senior Vice President / Louisiana Area Manager* nick.ferlito@neel-schaffer.com 225.924.0235
9. **Name, title, phone number, and email address of the official with signing authority for this proposal**	**Nick Ferlito, PE, PTOE** *Senior Vice President / Louisiana Area Manager* 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.



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

Date: **August 1, 2024**

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

FIRM	FIRM PERCENT
Marrero, Couvillon & Associates, L.L.C.	**23%**

Sections ***12-15***

CONTRACT NO. 4400029441

IDIQ CONTRACT FOR STATEWIDE FACILITIES & REST AREA ENGINEERING SERVICES

12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Neel-Schaffer, Inc.	Ardaman & Associates, Inc.	Lazenby & Associates, Inc.	Marrero, Couvillon Associates, L.L.C.	Each Discipline must total to 100%
Road	12%	100%				100%
Traffic	3%	100%				100%
Geotech	2%		100%			100%
Surveying	2%			100%		100%
Other (Site/Civil)	20%	100%				100%
Other (Electrical)	5%				100%	100%
Other (Mechanical)	5%				100%	100%
Other (Structural)	5%	100%				100%
Other (Landscape Architecture)	20%	100%				100%
Other (Architecture)	10%				100%	100%
Other (Construction Support)	6%	50%			50%	100%
Other (Project Management)	10%	100%				100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100%	73%	2%	2%	23%	

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	1	2
	Supervisor – Eng	2	2
	Engineer	5	25
	Landscape Architect	2	2
Ardaman & Associates, Inc.	Engineer	1	4
	Engineer Intern	1	6
	Principal	1	2
	Senior Technician	2	9
	Supervisor – Engineering	1	3
	Supervisor – Other	1	2
	Technician	2	14
Lazenby & Associates, Inc.	CADD Drafter	1	2
	CADD-Operator	2	3
	Engineer	1	6
	Engineer Intern	1	2
	Engineering - Aide	1	1
	Party Chief	2	2
	Principal	1	1
	Rodman	2	3
	Senior Technician	2	2
	Supervisor - Eng	1	3
	Surveyor	2	1

13. FIRM SIZE:

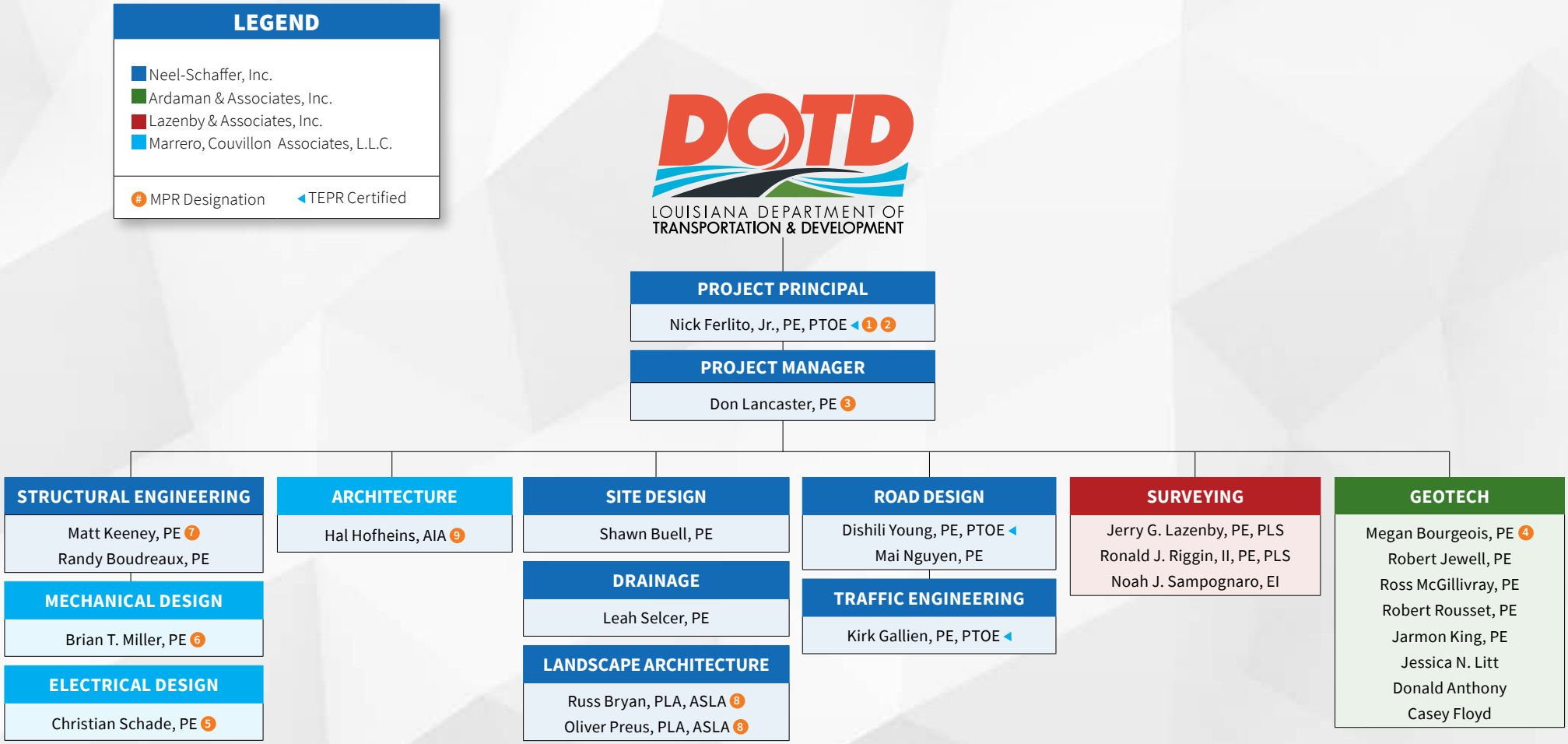
Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Marrero, Couvillon & Associates, L.L.C.	Principal	1	1
	Supervisor – Eng	1	1
	Engineer	2	5
	Architect	1	1

14. ORGANIZATIONAL CHART:

LEGEND

- Neel-Schaffer, Inc.
- Ardaman & Associates, Inc.
- Lazenby & Associates, Inc.
- Marrero, Couvillon Associates, L.L.C.

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	Nick Ferlito, Jr., PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 - Civil	LA	09/30/25
2	Nick Ferlito, Jr., PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 - Civil	LA	09/30/25
3	Don Lancaster, PE	Neel-Schaffer, Inc.	PE No. 22821 - Civil	LA	09/30/25
4	Megan Bourgeois, PE	Ardaman & Associates, Inc.	PE No. 36725- Civil	LA	03/31/26
5	Christian Schade, PE	Marrero, Couvillon & Associates, L.L.C.	PE No. 32483 - Electrical and Computer	LA	09/30/24
6	Brian Miller, PE	Marrero, Couvillon & Associates, L.L.C.	PE No. 26080 - Mechanical	LA	09/30/25
7	Matt Keeney, PE	Neel-Schaffer, Inc.	PE No. 45189	LA	03/31/25
8	Russ Bryan, PLA, ASLA	Neel-Schaffer, Inc.	PLA No. 699	LA	01/31/25
8	Oliver Preus, PLA, ASLA	Neel-Schaffer, Inc.	PLA No. 827	LA	01/31/25
9	Hal Hofheins, AIA	Marrero, Couvillon & Associates, L.L.C.	Registered Architect No. 8568	LA	12/31/2024

Section 16

CONTRACT NO. 4400029441

IDIQ CONTRACT FOR STATEWIDE FACILITIES & REST AREA ENGINEERING SERVICES

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Nick Ferlito, Jr., PE, PTOE**			Years of relevant experience with this employer	28
Title	Senior 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 / 09-30-2025; PTOE No. 930		
Year registered	1998	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Principal **MPRs 1 & 2**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/20 – Present	**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
01/15 – 01/23	**Various Traffic Impact Studies along LA 44:** Project Manager for multiple traffic impact studies for various developments along LA 44 which include Conway Plantation, Oak Lake Subdivision, Pelican Crossing Subdivision, Pelican Point Subdivisions and Love's Travel Stop. As part of the Conway Plantation study, a roundabout was analyzed and recommended at the entrance of LA 44 and Conway Plantation and Oak Lake Subdivision which was later constructed under a DOTD permit. Our latest study, the Love's Travel Stop, the interchange at LA 44 at I-10 was evaluated for existing and future conditions as a roundabout and with interim recommendations prior to the installation of roundabouts. Traffic data for the analysis was collected by Neel-Schaffer in 2022. Neel-Schaffer, Inc. has extensive knowledge of the LA 44 corridor from I-10 to LA 22 through. We are very familiar with the struggles to determine cost effective traffic control at the intersection of LA 44 and Loosemoore Road due to minimum gaps for side street traffic to exit onto LA 44. This roundabout corridor will greatly improve the access to and from Loosemoore Road.
10/13 – 12/16	**LA 30 Stage 0 Traffic & Safety Study, Gonzales, LA**: Project Manager for the traffic study, including a TIER analysis for new interchange concepts at I-10 at LA 30, as well as corridor improvements between LA 3251 and LA 44. Future traffic forecast for the study were developed using the CRPC Travel Demand model and considered future interchanges at I-10 and LA 74 and LA 429. The recommended TIER I alternatives were analyzed in detail using Vissim. Includes Multilane Roundabout interchange
01/11 – 01/14	**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 – Present	**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
08/20 – Present	**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 – Present	**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 – Present	**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.
01/15 – 06/15	**LA 3002, 16 & 1034 Corridor Study Phase 2, Range Ave. Corridor Study**: Project Manager. Includes 12 roundabout alternatives.
03/13 – 09/14	**Operational / Safety Study, LA 311, Houma, LA**: Provided traffic signal evaluation and installation design services: Traffic counting (data collection), Warrant Analysis, Traffic Modeling, Intersection / Corridor Analysis Traffic Signal Design, Geometric Evaluations, Traffic Signal Inventories (TSI), and Access Management. Traffic Engineering Manager Includes 6 roundabout alternatives.
11/12 – 04/14	**Operational / Safety Study, LA 1088, Mandeville, LA**: Provided traffic signal evaluation and installation design services: Traffic counting (data collection), Warrant Analysis, Traffic Modeling, Intersection / Corridor Analysis Traffic Signal Design, Geometric Evaluations, Traffic Signal Inventories (TSI), and Access Management. Traffic Engineering Manager Includes 8 roundabout alternatives.
01/13 – 01/14	**US 190 (LA 433 to US 11) Interim Capacity / Widening Improvements Stage 0 Feasibility Study**: Performed a safety and capacity evaluation of a 6.6-mile segment of US 190 corridor within St. Tammany Parish extending from LA 433 to US 11. Traffic Engineering Manager. Includes 8 roundabout alternatives.
11/16 – 08/19	**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	**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.
02/15 – 04/18	**LA 384 Stage 0 Traffic & Safety Study, Lake Charles, LA**: Project Manager for traffic and safety study for LA 384 (Country Club Road) from Big Lake Road to McNeese Street. Includes Multilane Roundabouts
02/18 – Present	**Kansas Lane-Garrett Road Connector and I-20 Improvements, Monroe, LA**: Project Manager/Traffic Lead for the preparation of a Level 4 Transportation Management Plan, review of MOT plans, design of temporary and permanent traffic signals and design of the relocation of DOTD ITS fiber optic trunk line.
Career History	Nick joined Neel-Schaffer in 1996. He is a Senior 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 (TSPPDraft), 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 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	**Don Lancaster, PE**			Years of relevant experience with this employer	20
Title	Engineering Manager / Vice President			Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization			BS / 1982 / Civil Engineering;		
Active registration number / state / expiration date			PE No. 22821 / LA / 09-30-2025		
Year registered	1987	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Project Manager **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).
03/07 – 04/11	**Bay Saint Louis Infrastructure Repairs, Bay St. Louis, MS:** Project Manager for the planning, design, bidding, and construction management of this program. Supervised the engineering and support staff responsible for design and construction administration of over $70 million in water, sewer, gas distribution, roadway, and sidewalk improvements.
04/24 – Ongoing	**Pelican Park Water System - Water Modeling, Mandeville, LA**: Project Manager. Evaluated the need for a new water well and storage tank at Pelican Park, located in Mandeville, LA. Neel-Schaffer used InfoWater Pro to developed a hydraulic model of the water system that delivers pressurized flow to the park's playing fields and buildings. A data collection effort was conducted that fielded all the park's available information of the pipe network layout, existing wells, pumps, tanks, and sprinkler heads, and logs of monthly water usage. The model incorporated findings and associated properties such as the head losses, flow demands, and system's compliance with Louisiana Department of Health's water pressure requirements. Multiple scenarios were analyzed including adding a new well and tank. The results of modeling were presented in a report that established the benefits of a new well and tank and identified areas in the network where the pipes are undersized for the demands.
2018 – 2019	**The Groves, Pelican Park, Mandeville, LA:** Project Manager for programming, schematic design, final design, bidding and construction phase services for this $1.8 million green space and multi-generational park project for Pelican Park in Mandeville, Louisiana. The project converted an unused baseball field and surrounding area into a multi-use facility that incorporates a detention pond feature circled by a walking trail. Project also includes a walkway routed through an oak grove, elevated to prevent damage to tree roots, as well as various adult recreation amenities including bocce ball courts, pickleball courts, shuffleboard, horseshoes, exercise equipment and other park amenities. The pond includes timber bulkheads and fountains as well as spillways for discharging storm event overflows. The project engineering included geotechnical engineering, a hydrology and hydraulics study supporting site drainage design and pond hydraulics, civil sitework, site-lighting and landscaping.
2/21 – Ongoing	**City of Mandeville Wetlands Restoration:** Project Manager for Lakefront Wetlands Restoration Project that will prevent further degradation of the wetlands and restore a functioning wetlands ecosystem within the area. Storm water from the Galvez and Massena outfalls will be directed through created wetlands, improving water quality within Lake Pontchartrain. The project established a best practice for creation of new wetlands, provided engineering concepts in support of multiple storm water routing alternatives and coastal engineering concepts for the design of a storm-resistant shoreline closure with an integral bike path and pedestrian link between Old Mandeville and Sunset Point Park.
06/20 – 11/24	**Oak Glen Drainage Improvements, Harris County, TX**: Project Manager. The project covers approximately 59 acres of subdivision drained by roadside ditches and culverts. These ditches drain and discharge into two separate outfalls. Flat topography and sediment buildup resulted in the reduced capacity of this drainage system. Most of the ditches do not meet the minimum slope criteria with occasional adverse slopes of the ditches, and low-lying residential lots with grades below the roads. The proposed improvements will be sized to achieve the Atlas 14 100-year level of service and combine roadside ditches with inlets draining into a storm sewer system sized for the 100-year event. Prior to outfalling into the channel, peak flow impacts are being mitigated within two proposed detention ponds.

11/2017 – 2019	**Repairs to Mississippi River Fender Systems, New Orleans, LA**: Project Manager for engineering services to New Orleans Sewerage and Water Board for a multi-phase effort to analyze the damaged dolphins and design replacement structures at the Oak Street and New River Intakes. The dolphins were damaged when a crude oil tanker traveling on the Mississippi River struck the New River Intake and then struck the Old River Intake before continuing down river. The intakes remained functional but the protective dolphin structures were damaged at both river intakes.
2013 – Ongoing	**Water Line Replacement Program, New Orleans, LA**: Project Manager for design, construction administration and resident inspection for water line replacements on over 80 blocks in the Mid-City, City Park and Dixon Neighborhoods. These replacement projects are part of the Joint Infrastructure Recovery Roads Program (JIRR) between the Sewerage and Water Board (S&WB) of New Orleans and the Department of Public Works (DPW). These projects include replacing undersized and aging infrastructure that was damaged during Hurricane Katrina. The 80+ blocks of water line improvements are separated into nine group projects and coordinated with DPW's roadway improvement projects. This coordination between S&WB and DPW allows each group to be bid as one project and reduces the impact on residents and businesses in the area.
01/08 – 11/13	**Gurney Road Sewer Area Upgrades**: Project manager and engineer for upgrades to the sanitary sewer system in this area. Work included replacement of the pump station to alleviate sanitary sewer overflows (SSO) as well as up-grade the force main exiting the station. The project included a new 2.85 MGD submersible triplex station and approximately 5 miles of force main.
2009	**Pumping Station and Force Main for the Hancock County Utility Authority**: Project Manager for a project that provides a pump station and force main to transport flows from an area that is experiencing high-density development. The project includes 1.4 MGD submersible wastewater pump station; 5 miles of force main from the station to the WWTF; and upgrades to pumps at an existing station that manifolds to new station.
03/10 – 05/16	**Bayou Duplantier Upgrades for City of Baton Rouge/E. Baton Rouge Parish DPW**: Project manager for upgrades to the sanitary sewer system in the Bayou Duplantier area. Work included improvements to a gravity sewer system to alleviate sanitary sewer overflows (SSO). The project included approximately 12,500 linear feet of gravity sewer pipeline 15 to 36 inches in diameter.
08/08 – 12/08	**City of Gautier Wastewater Transmission System Improvements for City of Gautier/CDBG, MS:** Project Manager for nearly two miles of conventional gravity sewer piping; a 0.25 MGD duplex submersible pumping station; and 1500 feet of force main. Project includes complete design of the sewer and station, including civil, structural, mechanical, electrical, and controls.
12/19 – Ongoing	**Safe Haven Blue Green Campus Master Plan, St. Tammany Parish, LA**: Project Manager. Development of a master plan and designing drainage improvements for the 293-acre Safe Haven complex. Responsibilities on the project include an assessment of the existing infrastructure including, roadways, parking, site utilities and site drainage; an environmental screening considering potential for impacts to wetlands and known species of concern, including consideration of required permits; design of improvements to site drainage emphasizing green infrastructure, including detention ponds, bioswales, and rain gardens.
Career History	Mr. Lancaster has over 40 years of experience in civil engineering and project management. He is the Civil Design Manager for Neel-Schaffer's Louisiana offices and Senior Project Manager for Neel-Schaffer's large Gulf Coast Katrina Recovery Projects. Prior to joining Neel-Schaffer, Mr. Lancaster was Design Manager for a national firm overseeing the Sewerage and Water Board of New Orleans' Sewer System Evaluation a¬nd Rehabilitation Program (SSERP). Responsibilities include overseeing all aspects of planning, design and construction administration. He was most recently Project Manager for the City of Bay Saint Louis Mississippi's FEMA utility replacement projects and the Sewerage and Water Board's (S&WB) Sewer System Rehabilitation for Hurricane Katrina Emergency Recovery Efforts. Mr. Lancaster offers his clients a wide range of design and project management experience leading to improved quality in the overall project.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.			
Name	**Shawn Buell, PE**	Years of relevant experience with this employer	2
Title	Senior Project Manager	Years of relevant experience with other employer(s)	20

Degree(s) / Years / Specialization			BS / 2002 / Civil Engineering
Active registration number / state / expiration date			PE No. 39808 / LA / 09-30-2025
Year registered	2015	Discipline	Civil
Contract role(s) / brief description of responsibilities			Site 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 – 2024	**Kingwood Drainage Ditch Improvements, Harris County (TX) Flood Control District:** Responsible for coordinating Preliminary Engineering Report creation for a large-scale drainage improvement of 4+ miles of existing drainage ditch for the purpose of flood mitigation. Coordinated hydraulic design outputs from for final report preparation and client engagement.
2022	**CS-87: Calcasieu-Sabine Large-Scale Marsh & Hydrologic Restoration Project - Cameron Parish, LA:** Responsible for preparation of Design Alternative Report in addition to contributions to Basis of Design Document, design of conceptual hydraulic structures, creation of quantity take-offs and cost estimate in addition to creating presentations for client and stakeholder engagement. Created plan and section view drawings of the structures and coordinated research into backflow prevention technologies and cost options.
2008 – 2009	**Brick Center Substation for the Intermountain Rural Electric Association – Bennet, CO:** 138kV-69kV Switchyard – Responsible for Grading, Drainage and Erosion Control design, including permitting tasks, cost and quantity estimation, preliminary survey. Utilized Urban Drainage’s Full Spectrum detention design to accommodate for future yard expansion. Managed designers and permitting personnel. Wrote Phase III drainage reports, GESC (grading, erosion and sediment control) reports for permitting agency review.
2010 – 2011	**Clover Substation for Pacificorp/MidAmerican Energy, Mona, UT:** 345kV-230kV substation – Partnered with Sturgeon Electric for Engineer/Procure/Construct job from proposal phase through construction management and commissioning. Responsible for Grading, Drainage, Erosion Control, Roadway and Environmental Compliance interface with permitting. Also, responsible for assisting with developing budgets and managing sub-consultants and preparation of specifications and construction plans.
2015 – 2016	**Choctaw Road Landfill, Cell 6, Franklinton, LA:** Responsible for grading design, construction plan preparation and material takeoffs for the landfill cell. Collaborated with project managers, environmental engineering partners and Parish representatives to satisfy permitting and design requirements, placement of leachate pumps and vehicle access.
2013	**Ray D. Nixon Coal-Fired Power Plant Flue Gas Desulfurization Conversion, Colorado Springs, CO:** Responsible for reviewing plans from third party engineering and construction firms in the capacity of owner’s engineer. Designed site development and modification plans to accommodate contractor’s mobilization to the site. Developed engineering design criteria, created specifications and supporting electrical design requirements for oil containment.
2014	**New Luika Gold Mine Heavy Fuel Oil Power Plant Shanta Gold - Luika, Mbeya, Tanzania:** Coordinated with an international client to perform yard grading and access planning for a heavy fuel oil generation station, serving the Luika open pit mine and gold refining operations. Ensured vehicle access in cooperation with designers using Autodesk’s AutoTurn software.
2012	**DJ Hunter and Various Coal-Fired Power Plant Flue Gas Desulfurization projects, Pacificorp, Wyoming:** Coordinated with EPC partner to design contractor laydown area, access planning and erosion control for earthmoving operations. Ensured vehicle access in cooperation with designers using Autodesk’s AutoTurn software.

2013	**Baylor University Stadium Horizontal Directional Drilling, Waco, TX:** Wrote performance specification for HDD bore under Brazos River for electrical feeders powering McLane Stadium. Designed conceptual plan and profile for river crossing, interpreting survey and geotechnical data in order to ensure appropriate cover and coordination with HDD contractor.
2020 – 2021	**DABS-FEV (Deployable Airbase System) Site USACE - Keflavik, Iceland:** Developed civil site plans – Grading, Drainage, Demolition, Access, Temporary Fencing – while leading civil team. Managed responses to government comments and host nation compliance issues including interaction with partner contractors.
2019 – 2020	**J-318 Maintenance Shop, USACE – Camp Blaz, Finegayan, Guam:** Partnered with Architectural lead beginning with charrette process to create grading, drainage and utility plans, including UFGS specifications, drainage and water sizing computations and quantity take-offs. Managed government and partner comments and coordination issues.
Career History	Mr. Buell joined Neel-Schaffer in 2022 and serves as a Water Resources Senior Project Manager in the firm's Baton Rouge (LA) office. He has more than 20 years of experience as a Project Engineer and Project Manager. As a Senior Project Manager and the discipline lead for three-dimensional computer civil design, Shawn manages key client projects, develops water resources engineering standards for improving quality, and facilitates a training program for Neel-Schaffer's water resources engineering staff. His extensive experience includes providing services in various parts of the country and around the world.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Leah Selcer, PE**			Years of relevant experience with this employer	4
Title	Project Engineer			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 / 09-30-2025		
Year registered	2019	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Drainage		

Experience dates (mm/yy–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).
05/20 – 11/20	**ARDOT 101054: Bridge Replacements Along SR 230, Lawrence and Craighead Counties, AR:** Engineer for H&H Design. Neel-Schaffer was selected to devel-op 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. 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 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. 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 186 near Altus in Franklin County. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.
08/20 – 11/20	**ARDOT 030412: Bridge Replacements Along SR 70, Sevier 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 three sites along SR 70 near the Oklahoma state line. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.
6/22 – Present	**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 multi-use 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.
06/20 – 10/20	**US 71 (Barksdale Blvd.) Streetscape Improvements Project, Bossier City**, LA: Engineer for civil design features associated with Phase II of this street lighting project, including preparing of stormwater pollution prevention plans.
5/21 – 10/21	**LA Hwy 71 (Barksdale Blvd.) Highway Lighting Project, Bossier City, LA**: Engineer for streetscape improvements project in Bossier City, LA. Tasks included sidewalk design and plan preparation, utility conflict identification, and drainage design.
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724):** This project will construct a roundabout and required drainage improvements. Includes roundabout. Com-pleted the horizontal and vertical alignments (line and grade).

06/20 – Present	**I-10/12 College Drive Flyover Design Build, Baton Rouge, LA:** NSI is performing a traffic study at the I-10/12 merge in an effort to improve capacity and safety. Ms. Selcer assisted with drainage engineering.
Career History	Leah joined NSI's Baton Rouge office in 2020. She has a broad range of project engineering and management experience, providing design, planning, and budgeting services for multiple projects. She is also experienced in preparing permits, plans and specifications, design calculations, reports, and presentations for a variety of civil engineering projects. She has assisted in the engineering and design of several complex civil, coastal and water resources projects for coastal ports, parish governments, LADOTD, CPRA, as well as private developers.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Dishili Young, PE, PTOE**			Years of experience with this firm/employer	6
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 / 09-30-2024		
Year registered	2008	Discipline	Civil		
Contract role(s) / brief description of responsibilities			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).
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
03/19 – 04/20	**Stage 0 Feasibility Study LA 328 (Latiolais Drive to Julie Street):** Ms. Young served 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 coordination and management. Her duties also included assisting in the organization and conduction of stakeholders meetings in accordance with NEPA. The concepts for this project include a double roundabout interchange and a traditional diamond interchange. Both alternatives will widen the existing corridor but differ by the intersection improvements: roundabouts and J-turns. This project requires coordination with the I-10 widening project and the proposed I-10 bridge improvements.
01/20 – Present	**I-20: LA 544 Overpass Replacement**: Managing the preliminary and final design services for this project. This project will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts within a roundabout interchange with two roundabouts on a 3% longitudinal grade & partially on bridge. Includes a level 2 TMP
04/18 – Present	**I-49 South at Verot School Road**: Managing 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
09/18 – 12/18	**I-20 at 220 Interchange Improvement & BAFB Design-Build Project**: Included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad.
08/17 – 03/19	**Juban Road Widening**: Served as the engineer of record and managed the completion of the roadway and drainage design services for this project which will widen LA 1026 (Juban Rd.), construct three multilane roundabouts and two new frontage access roadways, with storm drainage sewer systems.
08/17 – Present	**Mandeville Bypass, Mandeville, LA**: This project will provide a new 3 Mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Ms. Young is managing the roadway design services. Includes multiple multilane roundabouts.
02/10 – 12/11	**I-10 Widening Design-Build Siegen Ln. (LA Hwy 3246) to Highland Rd. (LA Hwy 74) for LA DOTD**: Served as Engineer and managed portions of the civil design for this project. This project involved the widening of I-10 from four lanes to six, bridge reconstruction (I-10 over Wards Creek and I-10 over KCS Bridge), and drainage improvements along the corridor. In addition to assisting with the roadway design, Ms. Young completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor.

01/09 – 11/11	**I-12 Widening Design-Build (O'Neal Ln. to Pete's Hwy)**: Served as Engineer for this project which involved the widening of I-12 and bridge reconstruction (I-12 over Amite River (two bridges) and I-12 over O'Neal Lane (two bridges)). In addition to assisting with the roadway design, Ms. Young assisted with the scour analysis and H&H analysis at the Amite River as well as the drainage design along the interstate corridor.
08/17 – 03/20	**LA 73 Turn Lanes**: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines
12/22 – Present	**LA 89 @ Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Preliminary and Final Road Design
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA**: This project provides new two-lane connector roadway with drainage between Chemin Metairie Parkway & LA 89. Includes multilane roundabouts in final design stage
09/22 – Present	**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. Roadway and Drainage Design.
12/14 – 08/17	**LA 447 Corridor Study, Walker, LA (LA 16 to US 190)**: Assisted with the geometric design for the R-Cut and roundabout improvements, public outreach and served as Project Manager and road design lead for the EA while working at APTIM. Includes multilane roundabouts
08/17 – Present	**Ham Reid at LA 3092 Intersection Improvements**: Serves as engineer of record for this project which will construct a roundabout at the intersection of LA 3092 and Ham Reid Road. The roadway and drainage design were completed in accordance with LADOTD guidelines.
12/17 – 07/20	**Southcity Parkway Extension, Lafayette, LA**: This project constructs a 1.7 - mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and a new bridge crossing of the Vermillion River. The roadway and drainage design is being completed in conformance with LADOTD guidelines. Ms. Young managed and assisted with the roadway, bridge hydraulics and roadway drainage design effort for this project. NSI provided public outreach, environmental, road design and traffic services.
10/13 – 12/16	**I-10 LA 30 Stage 0, Gonzales, LA**: Traffic & Safety Study: PM for line and grade geometry, public outreach considered 21 interchange types for new interchange concepts at I-10 at LA 30, as well as corridor improvements between LA 3251 and LA 44. CRPC Travel Demand model used with consideration of future interchanges at I-10 and LA 74 and LA 429. The concepts utilized in this study served as the base geometry for the preliminary plans. Includes Multilane Roundabout interchange
09/17 – 10/18	**LA 27 Turn Lanes**: Served as engineering design manager for this project which constructed turn lanes at multiple locations along LA 27 in Calcasieu and Cameron Parishes. The design was completed in accordance with LADOTD guidelines.
	I-69 SUI 13 Road Design Services for ARDOT: NSI is contracted with ARDOT to provide roadway and drainage design services for a 30 Mile new segment of I-69 with multiple interchanges near Monticello. This corridor will be constructed in phases to allow it to advance as funding is available. Neel-Schaffer will produce this design as separate design packages.
03/07 – 08/08	**South Harrell's Ferry Road Improvements, GLP, Baton Rouge, LA**: This project involved the reconstruction, realignment and widening of South Harrell's Ferry Road to a median divided corridor. Ms. Young provided design support for roadway and drainage tasks which were all completed in accordance with LADOTD guidelines.
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 Continuing Education is documented as follows: Transportation Safety Systems (Highway Safety Manual Graduate Course), Auburn University, 2016: ATSSA Traffic Control Supervisor Training Course, Baton Rouge, 2015; ATSSA Traffic Control Technician Training Course, Baton Rouge, 2015: FHWA Highway Safety Manual Workshop, Baton Rouge, 2014; Roadside Safety Design by the Federal Highway Administration and National Highway Institute, LTRC, 2010; Urban Street Design, University of Wisconsin, Madison,; Open Channel Design, University of Wisconsin, Madison; Comprehensive Culvert Design, University of Wisconsin; Maintaining Asphalt Pavements, University of Wisconsin; Using HEC-RAS to compute water surface profiles for floodplains, bridge and culvert hydraulics, University of Wisconsin; DOTD's Traffic Engineering Process and Report (TEPR) training

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Mai Nguyen, PE**			Years of relevant experience with this employer	8
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 / 03-31-2026		
Year registered	2013	Discipline	Civil		
Contract role(s) / brief description of responsibilities			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).
03/19 – 04/20	**LA 328 (Rees Street) Corridor Study and Plan:** Checked geometry for 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
01/20 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA**: lead for road design preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond multilane roundabout interchange on a 3% longitudinal grade. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.
08/17 – 03/20	**LA 73 Turn Lanes**: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines
9/22 – Present	**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 – Present	**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 – Present	**LA 89 @ Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts.
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA**: This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Mai is working on the roadway design for the City of Youngsville. Project includes preliminary and final plans.
01/11 – 01/14	**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	**LA 16: Roundabout @ 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 – Present	**I-49 South at Verot School Road**: This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage 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	**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.
02/17 – 06/17	**LA 6 (I-49 Interchange to LA 3278) Corridor Study in Natchitoches, LA**: LA 6 Corridor Study Includes analysis of proposed roundabout interchange (3 roundabouts) geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
07/15 – Present	**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	**LA 44 Intersection Improvement @ 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	**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 – Present	**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	**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	**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 14 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 re-ports, 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	**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 / 09-30-2025; PTOE No. 1288		
Year registered	1989	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic QAQC		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
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. Tasks similar to Line and Grade completed: Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. 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. This preliminary design is being completed in support of the Design Build Proposal document. Traffic and road design support.
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	**Russ Bryan, ASLA**	Years of relevant experience with this employer	17
Title	Landscape Architect Manager / Vice President	Years of relevant experience with other employer(s)	4

Degree(s) / Years / Specialization			BS / 2002 / Landscape Architecture;
Active registration number / state / expiration date			PLA #699 / LA / 1.31.25; PLA #0518 / MS / 12.31.25
Year registered	2007	Discipline	N/A
Contract role(s) / brief description of responsibilities			Landscape Architect **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).
11/09 – 01/10	**Itawamba County Welcome Center Landscape Renovation, Itawamba County, MS:** Neel-Schaffer was selected to provide landscape architectural services for landscaping and site renovation of the Mississippi Welcome Center located on US 78 in Itawamba County. Renovation services included selective removal of existing plant material and the installation of new shrubs, trees and groundcover. Plans were also provided for improved handicap accessibility, improvements to the existing irrigation system and drainage improvements to capture water from the downspouts. Other improvements were new site lighting, welcome sign and guard station. New benches and trash receptacles were also part of the project.
10/09 – 12/10	**I-20 Vicksburg Welcome Center, Vicksburg, MS:** The landscape architectural services provided for the welcome center was the selective removal of existing plant material and the installation of new shrubs, trees and groundcover. Plans were also provided for a new automated irrigation system and a wood fence to screen the center's dumpster location. New benches and trash receptacles were also part of the project.
04/09 – 02/10	**I-59 Pearl River Welcome Center Landscape, Pearl River County, MS:** The project scope included replacement of concrete pavement for truck parking areas, concrete paving for new bus parking areas, storm water drainage piping and inlets, landscaping, streetscape, replacement of old roadway lighting, picnic shelter construction, new sewage lift station and force main tie into the Pearl River County Utility Authority system. Mr. Bryan was the Landscape Architect for the project.
04/09 – 08/09	**Woodville Hospitality Station, Woodville, MS:** Planting & Irrigation design for the $2.5 million project that included relocation of an existing drainage channel, which divided the parking area to the rear of the site, requiring an extensive amount of fill material to be imported. Neel-Schaffer designed entry and exit lanes along US 61, a frontage road adjacent to the highway for residential access, truck/bus parking areas, car parking areas, and a travel-trailer dump station.
2015	**Visitor Center and Lighthouse Park (Phases 1 and 2), Biloxi, MS:** Created landscape and irrigation plans and specifications for the Welcome Center and Lighthouse Park. The project includes a scenic walking path with signage, children's play area, two previous paver parking areas, landscaping, lighting, and a pavilion with an unobstructed view of the Mississippi Sound and Biloxi Lighthouse. The scenic walking path is 1,400 feet and allows access to the natural area while preserving the bayhead swamp. Also created plans and specifications for the parking lot expansion in the second phase.
01/24 – 04/24	**Tanglefoot Trail Extension Feasibility Study, Ripley, MS:** Landscape Architect (Subconsultant). Provided existing conditions assessment for approximately 19-mile rail corridor from New Albany to Ripley including right-of-way widths, elevated crossings, railroad regulations, and other opportunities/constraints. Participated in key stakeholder interviews with rail company representatives, MS Department of Transportation, existing trail management, and others. Assisted in the draft and formatting of information into a final document.
11/19 – Ongoing	**DOTD Design of Safety Projects: W. 11th Avenue Ped and Bicycle Improvement**; 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. Mr. Bryan completed a typical section rendering for the client.
08/22 – Ongoing	**City Park Playground, Lucedale, MS:** Project Manager. Performed site design and construction detailing for the unique terraced playground located in Lucedale's popular City Park. Construction is scheduled to be completed in late 2024.

02/20 – Ongoing	**East Mississippi Community College, Mayhew Campus**: Landscape Architect. Developed Pedestrian and Vehicular Circulation Master Plan.
10/22 – Ongoing	C **& G (Columbus & Greenville) Rail Trail**: Landscape Architect. Data analysis and property mapping for a project that converts 92 miles of inactive C&G rail line between Greenwood and West Point into Mississippi's longest rails-to-trails. The proposed C&G Rail Trail would be a multi-purpose recreation trail along the lines of our state's other major trails; Longleaf Trace and Tanglefoot Trail.
07/24 – Ongoing	**The Pine Hills Development, Harrison County, MS**: Developed the preliminary master plan for a 600+ acre community, outlining land use and circulation net-works integrating Smart Growth design principles to conserve wetlands and allow for greater walkability.
03/24 – Ongoing	**Pelican Park Trail Master Plan, Mandeville, LA**: Neel-Schaffer recently began the development of a Trails Master Plan, which will propose the addition of trails and pathways within the park's property as well as new trails that would connect the park to other trail networks as well as neighborhoods close by.
12/17 – 07/20	**South City Parkway Extension**: Mr. Bryan completed graphics for linear park as an alternative use of the extra greenspace associated with the project.
08/20 – 10/20	**I-10 & I-12 College Dr. Flyover Ramp Design-Build Project:** This project required that we replace 3 trees for every single tree re-moved as part of the construc-tion. Mr. Bryan assisted with the public/stakeholder outreach by providing he did the rendering of the full build for the project. He did the renderings and did the conceptual landscape design for the tree replacement plan re-quired for the full build in the median and gore areas.
01/18 – Ongoing	**US Highway 49 Landscape Improvements Project, Hattiesburg, MS**: median and shoulder planting design along 2.5 miles through the City of Hattiesburg, MS, using Transportation Alternative Funding through Mississippi DOT and local partners, permit required and approved
01/14 - 12/14	**Mississippi State University South Entrance Road Project, Starkville, MS**: Shoulder tree and screen/windbreak planting design along 3.4 miles of new 3-lane and 2-lane roadway, irrigation design at north and south termini
08/10 – 09/12	**West 4th Street Reconstruction Phase 1, Hattiesburg, MS**: Median planting design with decorative nosepoint paving along 1.0 mile of reconstructed 3-lane roadway, created plan view rendering for public review
04/09 – 11/10	**Henderson Point Park & Ocean Springs Park, Harrison County, MS**: Park design for approximately 8.0 acres at Henderson Point at base of Bay St. Louis Bridge in Harrison County including parking, sidewalks, pavilions, play equipment, site amenities and land-scape design, parklet (small park) design at base of US Highway 90 Bridge in Ocean Springs, MS, including benches, signs and planting design.
09/08 – 01/09	**Jeff Davis Avenue Reconstruction, Long Beach, MS**: overall streetscape design including on-street parking, sidewalks, decorative paving and landscape design for 0.4 mile of 2-way roadway
Career History	Mr. Bryan joined Neel-Schaffer in 2007 and has over 15 years of experience in planning, design and construction projects for public and private clients. His experience includes creation of detailed planting plans, irrigation plans, site plans, and design of public facilities such as streetscapes, parks, and athletic complexes. Mr. Bryan also has experience in the creation of plans for office parks, residential subdivisions, and detailed site analysis and assessment. These projects created spaces that are functional, attractive, compatible with the natural environment, and safe for all modes of transportation including bicycle, pedestrian, and vehicular. Mr. Bryan has also served as an advocate for cycling, hiking and blueways through his involvement with the Pine Belt Pathways and Piney Woods Chapter of the Land Trust for the Mississippi Coastal Plain.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Oliver Preus, PLA, ASLA**			Years of relevant experience with this employer	1
Title	Landscape Architect			Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization			BLA / 2010 / Landscape Architecture; MCP / 2012 / Community Planning		
Active registration number / state / expiration date			PLA #653 / MS / 12.31.25; PLA #827 / LA / 01-31-25		
Year registered	2015	Discipline	Landscape Architecture		
Contract role(s) / brief description of responsibilities			Landscape Architect **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).
02/23 – Ongoing	**City Park Playground, Lucedale, MS:** Project Manager. Performed site design and construction detailing for the unique terraced play-ground located in Lucedale's popular City Park. Construction is scheduled to be completed in late 2024.
03/24 – Ongoing	**Pelican Park Trail Master Plan, Mandeville, LA**: Neel-Schaffer recently began the development of a Trails Master Plan, which will pro-pose the addition of trails and pathways within the park's property as well as new trails that would connect the park to other trail networks as well as neighborhoods close by.
03/23 – Ongoing	**Wayfinding Project, Richland, MS**: Landscape Architect. The Neel-Schaffer team developed designs for different levels of signage hierarchy and recommended strategic locations based upon analysis of activity nodes, places of interest, circulation patterns, and visi-bility.
01/24 – 04/24	**Henderson Point Development, Harrison County, MS**: Planner. Developed the master plan for a 5-acre short term rental develop-ment integrating Smart Code principles to maximize the potential of the site as well as create a safe walkable environment for visitors.
12/23 – Ongoing	**Bethel Road Development, Olive Branch, MS:** Planner. Currently working with the Neel-Schaffer Southaven office to design a master plan for a commercial development on the 20-acre site which will incorporate retail, storage, and medical uses.
08/23 – Ongoing	**Lake Okhissa Recreation Master Plan, Bude, MS**: Landscape Architect. Working in tandem with the design team for the Lake Okhissa Resort, Neel-Schaffer analyzed layers of map data and combined it with program elements to create a master plan for outdoor recreation activities that attract new and repeat visitors to the area.
02/23 – Ongoing	**Hwy 49 Landscape Plan, Richland, MS**: Landscape Architect. In coordination with the Wayfinding Project, the Neel-Schaffer landscape architects created a layout of landscape elements that conformed to MDOT requirements while also aesthetically improving this high-profile thoroughfare through the town.
2/23 – Ongoing	**Gateway Sign Locations and Concepts, D'Iberville, MS**: Landscape Architect. Design and site layout of a custom monument sign at key passageways into the community.
07/23 – Ongoing	**The Pine Hills Development, Harrison County, MS:** Planner. Developed the preliminary master plan for a 600+ acre community, out-lining land use and circulation networks integrating Smart Growth design principles to conserve wetlands and allow for greater walka-bility.
04/23 – Ongoing	**East Mississippi Community College, Mayhew Campus**: Landscape Architect. Developed Pedestrian and Vehicular Circulation Master Plan.
02/23 – Ongoing	**C & G (Columbus & Greenville) Rail Trai**l: Landscape Architect. Assisted with data analysis and property mapping for a project that converts 92 miles of inactive C&G rail line between Greenwood and West Point into Mississippi's longest rails-to-trails. The proposed C&G Rail Trail would be a multi-purpose recreation trail along the lines of our state's other major trails; Longleaf Trace and Tanglefoot Trail.
02/23 – Ongoing	**Summit (MS) Town Park**: Landscape Architect. Project included Master Plan Development for a new Park.
02/23 – Ongoing	**Trotter Convention Center, Columbus, MS**: Landscape Architect. Developed a Master Plan for courtyard, streetscape, and other exterior improvements.

10/22 – 03/24	**USM Gulf Coast Research Lab (GCRL) Halstead Rd, Ocean Springs, MS**: Landscape Architect. Master Plan Development for Bicycle, Pedestrian, and Vehicular Circulation.
10/13 – 01/23	**Christian Preus Landscape Architecture (CPLA): Director of Design**. Throughout this tenure at CPLA, Oliver has assisted with the development of long-range plans for numerous neighborhoods and institutional campuses. Other projects such as high-end residential work and parks also make up a significant portion of his experience. • Mississippi Aquarium Gulfport, MS 2014 - 2020 • Wayfinding and Walkability Plan Fairhope, AL 2017 • Dudy Noble Field Mississippi State, MS 2015 - 2019 • GRAMMY Museum Cleveland, MS 2013 – 2015
06/12 – 09/13	**Goodwyn Mills Cawood**: Landscape Architect Intern. Oliver gained experience at the multi-disciplinary firm in Birmingham, Alabama. Working on a plethora of projects, he developed many of the skills he now possesses while working with other design professionals on high-impact public projects. • Rotary Trail Birmingham, AL 2012 - 2014 • Jones Valley Trail System Birmingham, AL 2012 - 2013 • Downtown Master Plan Brewton, AL 2013 • Downtown Master Plan Arab, AL 2012 – 2013
Career History	Oliver Preus is a registered landscape architect with extensive experience in nearly all facets of design within the profession. With a range of projects across Mississippi, Alabama, and Louisiana, Oliver has provided a perspective to clients that brings their vision to life. Combining strong creativity, pragmatic thinking, and an expansive skillset, he can take a simple idea and develop it into an appealing design. Whether they are private developers, municipalities, or institutions, Oliver is committed to achieving the goals and objectives of clients. He strives to achieve this by integrating environmentally sustainable practices that prioritize the health, safety, and welfare of all who engage with a project upon its completion.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.			
Name	**Randy Boudreaux, PE**	Years of relevant experience with this employer	35
Title	Senior Structural Engineer	Years of relevant experience with other employer(s)	2

Degree(s) / Years / Specialization			BS / 1985 / Civil Engineering; MS / 1987 / Civil Engineering /
Active registration number / state / expiration date			PE No. 32362 / LA / 09-30-2024
Year registered	2006	Discipline	Civil
Contract role(s) / brief description of responsibilities			Structural Engineer

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/97 – 01/99	**US 82 Mississippi River Bridge and Approaches:** A joint effort be-tween the Mississippi and Arkansas Departments of Transportation, this is 2.8-mile, four-lane bridge was estimated to cost approximately $275 million. Performed structural design, detailing and quantity takeoffs for two continuous haunched steel plate girder bridge spans units. One unit had spans of 76.6m-100m-76.5 and the second unit had spans of 84.5m-110-85.5m. Structural Engineer.
01/98 – 10/99	**US 90 across East Pascagoula River, Jackson County, MS**: Performed structural design, detailing and quantity takeoffs. The 3500’ bridge has pre-stressed concrete bulb-tee spans with 80’ x 150’ naviga-tion channel and deep piers designed for vessel collision. Scour analysis included effects of both stream flow and tidal action and design of mitigation features. Structural Engineer.
08/05 – 12/05	**Popps Ferry Road Bridge, Biloxi, MS**: Performed on-site damage assessment, structural design, detailing and quantity takeoffs. A direct barge impact to a pile bent collapsed two spans of this 3900-foot long pre-stressed concrete and bascule bridge. Contract plans and specifications for debris removal, replacement of the pile bent and spans were prepared for advertisement within three weeks of initial damage assessment. (08/2005 – 12/2005) / Structural Engineer.
02/95 – 08/96	**Norfolk Southern Railroad - Jackson, AL** (DACW01-92-0041 USACE): Preformed structural design and detailing for a pier protection fender system for vessel impact. Lead Structural Engineer.
06/09 - 01/10	**Taylor Creek Road Bridge over Tootoosahatchee Creek, Orange County, FL:** Performed LRFD structural design, detailing and quantity takeoffs. The bridge consists of three pre-stressed con-crete girder units with spans of 50.5’- 50’-50.5’ made continuous for live load and a gutter to gutter width of 40’. The substructure consists of vertical wall end bents on a pile supported footings and standard intermediate pile bents. The approach roadway is supported by 640.5’ of concrete retain-ing walls along each side. (AASHTO LRFD) (06/2009 – 01/2010) / Lead Structural Engineer.
12/2008 - 06/2009	**I-20 over US 51 Bridge Replacement, Jackson, MS**: Performed LRFD structural design, detailing and quantity takeoffs. The bridge consists of one continuous curved steel girder unit with spans of 134’-141’-145’-121’-121’. Bridge width (gutter to gutter) is a constant 72’ and is in super elevation transition along the last two spans. The two center-most bents were designed as post-tensioned concrete “two-column” straddle bents (in-line with the steel girders) to minimize the depth of the substructure over the underlying US Hwy 51. The remaining bents were designed as traditional 4-column bents. All bents were supported on steel pile supported foot-ings. (AASHTO LRFD) (12/2008 – 06/2009) / Lead Structural Engineer.
06/2004 - 07/2007	**Camp Horner Road over Cahaba River, Jefferson/Shelby Counties, AL**: Performed structural design, detailing and quantity takeoffs. The bridge consists of 110' and 130' simple pre-stressed concrete bulb tee girder spans and a gutter to gutter width of 54'. The substructure consists of rock bearing drilled shaft supported end and intermediate bents. Lead Structural Engineer.
08/2010 - 01/2014	**Marina Access Bridge, Bay St. Louis, MS:** Performed LRFD structural design, detailing and quantity takeoffs. The bridge consists of simple prestressed concrete girder spans with a 70’ main span over the seawall and five 30’ spans with a 90’ radius horizontal curve. The approach roadway embankment has mechanically stabi-lized earth walls (MSEW) along each edge to minimize the footprint and maximize the available parking spaces. The bridge was designed for hurricane wind loading and submergence during storm surge. Lead Structural Engineer.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Matt Keeney, PE**			Years of relevant experience with this employer	7
Title	Structural Engineer			Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization			BS / 1998 / Civil Engineering		
Active registration number / state / expiration date			PE No. 45189 / LA / 03-31-2025		
Year registered	2020	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Civil Engineer **MPR 7**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/21 – 03/22	**Temporary Radiation Treatment Facility Foundation, Union City, TN:** Structural Engineer. The project consisted of parking structure and radiation shielding for a temporary mobile radiation treatment unit at the Baptist Memorial Hospital. The shielding structure was an open concrete structure to protect the public from stray radiation during the treatment of patients.
12/16 – 01/21	**L.B. McLeod Transfer Station, Orange County, FL:** Structural Engineer for this project that involves engineering / architectural services for design, permitting and construction services for a new solid waste transfer station to replace the existing transfer station located at 5000 L. B. McLeod Road, Orlando, Florida. Due to the complexity and length of the project, services will be issued in phases as the project proceeds. This project includes preliminary design services, regulatory reporting, final design, construction plans and specifications, permitting, bidding, and construction services. Project in is the final design stage.
08/17 – 11/17	**Renasant Bank, Macon, GA**: Structural Project Manager. Provided structural design and construction plans for a new 4,500 square foot branch office. Structural services included structural design and drawing preparation for light gauge metal and steel framing. This was a design-build construction project.
05/18 – 04/19	**Boozer Eyecare Center, Cullman, AL:** Structural Project Manager. Provided structural design for a new two-story, 7,500 square foot, eye care facility. Structural services included design and detailing for light gauge metal and steel framing.
08/16 – 04/18	**Brandon (MS) Amphitheater at The Quarry:** Structural Engineer. Provided structural design and construction phase services for a new 8,500-seat amphitheater in Brandon. Structural services for the $12 million facility included structural design and drawing preparation for steel framing and foundations for over 10 separate structures. The stage is a 90-foot clear span by 60-foot-by-60-foot-high steel frame with a high rigging platform and fall arrest system. Foundation design for all structures included a system of reinforced concrete slabs and grade beams. In addition to design, Neel-Schaffer also per-formed shop drawings review and onsite inspection of structural elements.
03/17 – 03/18?	**Hollywood Ground Storage Tank, Seminole Tribe of Florida, Hollywood, FL:** Structural Engineer. Neel-Schaffer is providing engineering services for the conceptual and final design, permitting, and bidding for a 1.6-million-gallon ground storage tank and booster pump station to meet near term fire protection service and future combined fire protection and potable water supply service to the Seminole Hard Rock Casino and nearby areas. Mr. Keeney provides structural engineering design services for the 8,500 square foot chemical storage/pump building. The building is a concrete masonry unit building in the high wind area of Florida.
05/17 – 12/19	**Hanna Steel Coil Storage Crane Extension, Tuscaloosa, Alabama:** (2019) Structural Engineer. The project consisted of extended the 35-ton overhead crane runway used to unload and load rail cars and upgrade the existing foundations to com-bat movement due to a high-water table. The crane rail was extended 100 feet. Helical piles were added to the new and existing foundations along with a sub-surface drainage system to combat the high-water table.
03/19 – 06/20	**Columbus-Lowndes Open Hanger Rehab, Columbus, MS**: Structural Engineer. The work includes replacement of the existing wood post and bracing with steel column and concrete foundations for the hanger structure. The structure is 40 feet by 300 feet. The hanger bays are designed for small planes. The structures' sides are exposed, and the building is set up for a gravel or dirt floor.

09/17 – 06/18	**Lowndes County Port Authority, Columbus, MS**: Structural Engineer. Design a 220-foot expansion of the existing rail foundation supporting a 14-ton mobile port crane. The design also included a washdown drainage system for the crane.
02/21 – 06/22	**West Helena Hanger Rehab, Helena, AR**: Structural Engineer. The design consists of two 6,400 square foot hangers for a total of 12,800 square feet. The building will utilize an existing slab with foundation modifications for the new foundations and powered hanger doors.
05/19 – 02/20	**Chattanooga Airport Tank Farm, Chattanooga, TN**: Structural Engineer. Design a foundation system capable of supporting 80,000 gallons of fuel and containing 20,000 gallons.
03/22 – 09/22	**JSP International, Tullahoma, TN:** Structural Engineer. Design modifications to the existing roof system to reinforce the existing overloaded roof structure and support proposed electrical and process conduits.
06/12 – 12/12	**Turkey Point Nuclear Power Plant Maintenance Shutdown, Homestead, FL:** Structural Engineer. The work included structural support for the rerouting of piping and conduits, design of a temporary modular construction platform and permanent equipment support platform. The piping and conduits varied from safety related (safe shut down of the plant) to non- safety related (all other functions) and ranged throughout the complex. The temporary modular construction platform was for the replacement of a heat exchanger inside fuel storage pool. The temporary platform had to be assembled above the pool and brought in through a man door. The permanent equipment platform was a circular platform to support an air handling unit above the suppression pool.
01/10– 12/11	**Crystal River Nuclear Power Plant Security Upgrade, Crystal River, FL:** Structural Engineer. Design of an intrusion detection system intended to supplement the existing security systems in place surrounding the nuclear power plant. The improvements included cameras and motion and contact sensitive fencing.
06/02 – 09/03	**Camp Branch Wastewater Treatment Plant, Calera, AL:** Green field construction for 4 million GPD wastewater treatment plant. The plant consists of a combination of buildings of varying construction types. Cast-in-place concrete basins, masonry buildings with wood truss and wood interior framing.
01/08 – 02/09	**Monsanto Plant Expansion, Boone, IA:** Design for a $170 million seed corn processing plant expansion. The expansion in-cluded concrete receiving area, husking and sorting building, corn storage building and required conveyors to integrate the new buildings and processes with the existing facilities.
Career History	As a Structural Engineer, Mr. Keeney has over 25 years of experience with southeastern engineering companies providing permitting, design and construction management services for a variety of projects including residential, commercial, recreational, industrial and power. Mr. Keeney is a senior structural engineer working on projects for municipalities and companies around the southeast. He joined Neel-Schaffer in 2017.

16. STAFF EXPERIENCE

Firm employed by Ardaman & Associates, Inc.					
Name	**Megan Bourgeois, PE**			Years of relevant experience with this employer	18
Title	Project Engineer / Assistant Branch Manager			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2006 / Civil Engineering;		
Active registration number / state / expiration date			PE No. 36725 / LA / 03-31-2026		
Year registered	2011	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Geotechnical Lead **MPR 6**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2007	**Kentwood Rest Area Improvements, Kentwood, LA:** Assistant Project Engineer. The project consisted of updating the existing non-compliant rest area to the new DOTD standards. Helped coordinate laboratory testing based on LADOTD standards included strength and appropriate classification testing and performed engineering analyses included earthwork recommendations, shallow foundation and settlement recommendations, and pavement recommendations.
2007	**Greenwood Rest Area Improvements, Greenwood, LA:** Assistant Project Engineer. The project consisted of updating the existing non-compliant rest area to the new DOTD standards. Helped coordinate laboratory testing based on LADOTD standards included strength and appropriate classification testing and performed engineering analyses included earthwork recommendations, shallow foundation and settlement recommendations, and pavement recommendations.
2008	**Mound Rest Area Improvements, Mound, LA:** Assistant Project Engineer. The project consisted of the construction and updates to the existing rest area 5 miles west of the Mississippi State line on the westbound lanes of I-20 in Mound, Louisiana to DOTD standards. Helped coordinate laboratory testing based on LADOTD standards included strength and appropriate classification testing and performed engineering analyses included earthwork recommendations, shallow foundation and settlement recommendations, and pavement recommendations.
2008	**Toomey Rest Area Improvements, Toomey, LA:** Assistant Project Engineer. The project consisted of the construction and updates to the existing rest located just south of the eastbound lanes of I-10 in Toomey, Louisiana to DOTD standards. Helped coordinate laboratory testing based on LADOTD standards included strength and appropriate classification testing and performed engineering analyses included earthwork recommendations, shallow foundation and settlement recommendations, and pavement recommendations.
10/09 – Ongoing	**I-20 Mississippi River Bridge Review: Vicksburg, MS:**. Project Manager. Ms. Bourgeois manages this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. She managed a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing planes, stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures, and developed technically feasible solutions. She co-authored the geotechnical analysis and design report. Currently, she is managing a phase of the project that included upgrading the entire instrumentation communication system and will be monitoring this system continuously.

10/18 – 06/21	**Chef Menteur Pass Bridge & Approach: Orleans Parish, LA:** Project Manager. Managed and oversaw all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Ms. Bourgeois also managed laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.
04/21 – Ongoing	**Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA:**Project Engineer. Leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
07/21 – Ongoing	**I-10: La 415 To Essen Lane On I-10 & I-12 (CMAR): Baton Rouge Parish, LA:** Project Engineer. Leads technical reviews pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
07/21 – 01/22	**I-10 Calcasieu River Bridge: Calcasieu Parish, LA:** Project Manager. Managed all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. Ms. Bourgeois also managed and oversaw the laboratory testing program, processing and analyzing of the ECPT and ER data. She also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.
03/19 – 07/20	**I-10 Widening (LA 415 To Howard St): East Baton Rouge Parish, LA:** Project Manager. Managed all aspects of the geotechnical investigation in support of the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity imaging along the entire alignment, laboratory testing and the preparation of a geotechnical data report.
12/12 – Ongoing	**I-10 Widening LA 73 to LA 30: Ascension Parish, LA:** Project Manager. Managing all aspects of the project that include field investigations consisting of 13 deep soil borings and 26 shallow soil borings, laboratory testing, and engineering design in support of the widening of the East and Westbound lanes and elevated structures along I-10 between LA 73 and LA 30 spanning approximately 5 miles. Ms. Bourgeois performed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, and pavement section recommendations; all completed according to DOTD standards.
09/20 – Ongoing	**College Dr Flyover Ramp I-10 / I-12: East Baton Rouge Parish, LA:** Project Engineer / Laboratory Director. Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Ms. Bourgeois assisted in review and acceptance of geotechnical services as well served as quality control and review of all acceptance verification sampling and testing during construction.
Career History	Ms. Bourgeois has more than 15 years of experience with shallow foundation design, embankment settlement analysis, pile and drilled shaft foundation analysis, LRFD design, slope stability (embankment and excavation), pipeline and pump station recommendations, geotechnical instrumentation, installation and monitoring, and construction phase testing and laboratory management. She has managed numerous geotechnical investigations and design evaluations, managed laboratory testing programs, while also serving as Ardaman's program manager for many LADOTD projects for bridges and roadways throughout Louisiana. Ms. Bourgeois also serves as the director of our geotechnical engineering laboratory in Baton Rouge. In this role, she supervises the laboratory manager, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocol is followed and deadlines are met in addition to providing training material and maintaining all laboratory certifications, including AMRL, CCRL, DEQ & USACE.

16. STAFF EXPERIENCE

Firm Employed By Ardaman & Associates, Inc.					
Name	**Robert Jewell, PE**			Years of relevant experience with this employer	17
Title	Project Engineer / Branch Manager			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering		
Active registration number / state / expiration date			PE No. 38579 / LA / 09-30-2024		
Year registered	2013	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Project Engineer		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/18 – 06/21	**Chef Menteur Pass Bridge & Approach: Orleans Parish, LA:** Project Engineer. Helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Mr. Jewell also helped develop the soil boring logs and preparation of the data report.
10/18 – 01/19	**I-220 / I-20 Interchange Improvement And Barksdale Air Force Base Access Road: Bossier Parish, LA:** Project Manager. Prepared the preliminary design and planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. Jewell oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring.
03/19 – 07/20	**I-10 Widening (La 415 To Howard St): East Baton Rouge Parish, LA:** Project Engineer. Comanaged all aspects of the geotechnical investigation in support of the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation will include 58 deep borings and 11 cone penetrometer (CPT) soundings, field resistivity testing, and associated laboratory testing and the preparation of a geotechnical data report.
07/21 – Ongoing	**I-10: La 415 To Essen Lane On I-10 & I-12 (Cmar): Baton Rouge Parish, LA:** Project Manager. Leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
09/20 – Ongoing	**College Dr Flyover Ramp I-10 / I-12: Baton Rouge Parish, LA:** Project Engineer. Helped oversee review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI’s.
02/20 – Ongoing	**Design Support Services LA 23, Belle Chasse Bridge & Tunnel: Plaquemine Parish, LA:** Project Engineer. Helped oversee review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI’s.
04/21 – Ongoing	**Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA:** Project Manager.Leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.

07/21 – 01/22	**I-10 Calcasieu River Bridge: Calcasieu Parish, LA:** Project Engineer. Lead technical review of all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. Mr. Jewell also assisted with review of the laboratory testing program, processing and analyzing of the ECPT and ER data. He also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.
07/15 – Ongoing	**I-49 Connector (Lafayette Regional Airport To I-10/I-49/Us 167 Interchange): Lafayette Parish, LA:** Project Manager. Manages the Phase I geotechnical investigation, which included 116 deep and shallow soil boring, and 15 CPT soundings. The design was for the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. He will be the co-principal for developing the Geotechnical Investigation and Design Report to be developed for this project. In addition, he will also oversee and coordinate the Phase 2 field and laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings.
04/14 – 05/23	**I-12 To Bush Segment 2, La 3241 (La 36-La435): St. Tammany Parish, LA:** Project Manager. Oversaw and coordinated the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. Assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts. Mr. Jewell oversaw the construction phase which included dynamic testing and settlement monitoring.
10/14 – 12/16	**I-10 Widening (E. Junction I-49 To La 328): St. Martin Parish, La**. Project Engineer. Oversaw and coordinated the geotechnical investigation which included 44 deep borings and 25 cone penetrometer (CPT) soundings, associated laboratory testing, and preparation of a geotechnical data report for the widening of the nine existing structures along I-10 between I-49 to LA 328 spanning approximately 7 miles.
07/09 – 08/11	**LA 1- Phase 1: Lafourche Parish, LA::** Assistant Project Engineer. Served in the field as on-site geotechnical engineer during construction for this project in southeast Louisiana. He conducted dynamic monitoring using the Pile Driving Analyzer, performed CAPWAP analyses, reviewed drive logs, and supervised field technicians.
Career History	Mr. Jewell serves as the manager of our Baton Rouge office and as project manager for various geotechnical engineering projects which include analyses such as pile and drilled shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Mr. Jewell has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation.

16. STAFF EXPERIENCE

Firm employed by Ardaman & Associates, Inc.					
Name	**Ross McGillivray, PE**			Years of relevant experience with this employer	27
Title	Senior Consultant			Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization			BS / 1966 / Civil Engineering; MS / 1968 / Civil Engineering (Soil Mechanics)		
Active registration number / state / expiration date			PE No. 17920 / FL / 02-28-2025		
Year registered	1998	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Senior Consultant		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/01 – 11/01	**I-10/12 Sound Walls, Wall 6-Design Lateral Load Test On Drilled Shafts / Sound Wall Shaft Cls Evaluation: Baton Rouge, LA:** Principal Engineer. Mr. McGillivray performed a re-design for the drilled shafts supporting the I-10/I-12 sound wall system in Baton Rouge, LA, and performed an instrumented lateral load performance on a 48-inch diameter drilled shaft. The results of the load test compared analyses performed with Standard Penetration Test Boring Data to analyses performed with Cone Penetrometer Test (CPT) sounding data. Mr. McGillivray also evaluated the results of Cross-Hole Sonic Log (CSL) tests on installed drilled shafts and developed repair procedures when drilled shafts were shown to have CSL detected flaws. The repair procedures were accepted by LADOTD for the project.
7/15 – Ongoing	**I-49 Connector (Lafayette Regional Airport To I-10/I-49/Us 167 Interchange): Lafayette Parish, LA:** Senior Consultant. Mr. McGillivray helped review all of the geotechnical design including deep foundations, lateral load analyses, earth retaining structures in support of the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. Mr. McGillivray will help with review and preparation of the Phase 1 preliminary Geotechnical Design Report.
10/18 – 01/19	**I-220 / I-20 Interchange Improvement And Barksdale Air Force Base Access Road: Bossier Parish, LA:** Senior Consultant. Mr. McGillivray helped review and perform analyses of Drilled Shaft Load Tests and Static Capacity for this Design Build project consisting of direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and an interchange and access road from I-20 in Shreveport, Louisiana.
02/20 – Ongoing	**Design Support Services La 23, Belle Chasse Bridge & Tunnel: Plaquemine Parish, LA:** Senior Consultant. He conducted analyses of data from dynamic monitoring of pile driving using the Pile Driving Analyzer, evaluated CAPWAP analyses, reviewed drive logs, performed independent analyses of static pile capacity and analyses of load test data. Mr. McGillivray also performed independent analyses for MSE Wall Stability and performed independent analyses of pile foundations for the Toll Gantry.
5/05 – 11/05	**I-10 Bridges Over Escambia Bay: Pensacola, FL:** Principal Engineer. The I-10 bridge over Escambia Bay was damaged by Hurricane Ivan in 2004. The two bridges were three lanes, 2.6 miles long with 103 spans for each bridge. Ross T. McGillivray, PE (FL) worked as the Lead Geotechnical Engineer with Ardaman's Tallahassee, Florida office for the design of foundations for the replacement bridges. The project was the first project since 1972 in Florida to use 36-inch voided Prestressed Concrete Piles. The soil conditions consisted of deep, soft silt and clay sediments over loose sand underlain by medium dense to dense sand. Driving criteria were established for two different pile hammers with maximum driving energy of 150 kip-ft.-lbs. but with ram weights of 30 and 60 kips. Wave Equation Analyses and PDA/CAPWAP showed that the lighter ram hammer was marginal for production piling installation. Both Vertical and Lateral Load tests were performed for the project, with good correlation between the Vertical Load test results and the Static Capacity and PDA/CAPWAP analyses. Lateral load performance analyses showed that the soils strengths projected from Cone Penetrometer Tests were required to model the results of the load test.

6/09 – 2/10	**Sr 686 Overpass Bridge: St. Petersburg, FL:** Principal Engineer. The SR 686 Overpass Bridge is 1,500 feet in length and crosses over a solid waste landfill with a slurry wall confinement and the in-situ clay stratum as a liner system. The initial foundation design by another firm consisted of 24-inch Prestressed Concrete Piles driven inside of 36-inch diameter steel casings, with the piles to be grouted into the casings. Ardaman & Associates, Inc. was asked to evaluate the foundation options and to provide an alternative foundation design for the project. Mr. Ross T. McGillivray, PE was the Lead Geotechnical Engineer for the project. He proposed using non-redundant drilled shafts to reduce the number of penetrations of the underlying clay stratum confining stratum. The additional foundation explorations included rock coring and Pressure Meter Testing in the intermediate geo-material (weathered limestone) underlaying the site. The results of Unconfined Compression Tests and Split Tensile tests on rock cores were analyzed with the results of the Pressure Meter Tests to optimize the design of the drilled shafts. The final design consisted of 36, 48 and 60-inch diameter drilled shafts. Two load tests were specified using the Osterberg Cell (O-Cell), each with a 2-inch Styrofoam toe to allow measurement of the fully mobilized skin friction on the shaft above and below the O-Cell. Ardaman performed pilot borings at each drilled shaft for final design, and inspected the installation of all the drilled shafts for the project.
07/21 – Ongoing	**I-10: La 415 To Essen Lane On I-10 & I-12 (Cmar): Baton Rouge Parish, LA:** Senior Consultant. Leads technical reviews of pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
09/20 – Ongoing	**College Dr Flyover Ramp I-10 / I-12: Baton Rouge Parish, LA:** Senior Consultant. Performed reviews of project submittals and conducted analyses of provided static, bi-directional jack load test data on a drilled shaft. Provided comments regarding the locations of settlement monitoring plates for ramp fill and performed independent analyses of a sheet pile wall for the project to check the contractor's submittal. Also performed lateral load analyses for a 6-ft. diameter drilled shaft.
Career History	As a principal engineer working from the Tampa office of Ardaman, Mr. McGillivray provides technical review and consultation on projects involving building and bridge foundations, geotechnical and materials engineering for port facilities, pavement systems, earth structures, surface mining, ground water hydrology and sinkhole evaluation and remediation. He has provided engineering review or design on projects with Ardaman offices in Florida as well as for offices in Baton Rouge and New Orleans, Louisiana. Mr. McGillivray managed the operations of the soil mechanics laboratory as a Research Engineer at MIT from 1968 to 1970, and conducted research into the behavior of soil and soil-like industrial waste products while at MIT, He worked as a staff engineer on projects in North Carolina, Florida, Alaska and Venezuela for Lambe & Associates, Inc. of Cambridge, Massachusetts, including the evaluation of soil stability and anchor capacity for a large retaining wall for the Parque Central' project in Caracas, Venezuela and the development of a permafrost and soil mechanics laboratory in Anchorage, Alaska. Mr. McGillivray was the branch geotechnical and materials engineer for Pittsburgh Testing Laboratory's Tampa Florida branch office where he supervised the completion of site exploration programs for building foundations and designed earthen dams to contain waste clay tailings from phosphate processing from 1972 to 1974. He founded ARMAC Engineers, Inc. in 1975, working on building foundations, sinkhole evaluation and remediation, mine slope stability and earthen dam projects. He joined Ardaman & Associates, Inc. in 1996 as a Senior Engineer, working on mining, building foundation and bridge foundation projects.

16. STAFF EXPERIENCE

Firm employed by Ardaman & Associates, Inc.					
Name	**Robert Rousset, PE**			Years of relevant experience with this employer	18
Title	Project Engineer / Vice President, Regional Manager			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering		
Active registration number / state / expiration date			PE No. 38637 / LA / 09-30-2024		
Year registered	2014	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Project Engineer		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/14 – 05/18	**I-12 To Bush Segment 3, LA Highway 3241 (LA 435 to LA 40 / LA 41): St. Tammany Parish, LA:** Project Manager. Oversaw and coordinated the geotechnical investigation which included 26 soil borings, sampling, and laboratory testing along the alignment that included one bridge, LA 435 over Talisheek Creek. Oversaw geotechnical analyses and preparation of design recommendation report which included pile supported approach slabs and pile foundations for the bridge structures and shallow foundation design for the culverts.
05/12 – 03/13	**Goose Bayou Bridge Route La 45: Lafitte, LA:** Assistant Project Engineer. Managed geotechnical investigation for the bridge that included drilling and laboratory testing of 2 deep soil borings and 4 CPT soundings performed with barge-mounted drilling equipment under difficult access conditions. Assisted with providing final soil boring logs and CPT sounding logs in LADOTD format.
07/09 – 08/11	**LA 1 – Phase 1: Lafourche Parish, LA:** Assistant Project Engineer. Served in the field as onsite engineer for Phase 1A of this project in southeast Louisiana. The completed project consisted of 17 miles of elevated roadway with low-level bridges and medium-level bridges, two elevated interchanges, and two fixed high-level bridges over navigable waterways. Conducted dynamic monitoring using PDA, performing CAPWAP analyses, reviewed drive logs, and supervised field technicians.
03/11 – 02/12	**I-49 Segment J: Caddo Parish, LA:** Assistant Project Engineer. Mr. Rousset planned the geotechnical investigation program, coordinated field activities, assigned lab testing, reviewed laboratory test results, classified soil types based on laboratory tests, and compiled soil boring logs in the LA DOTD format.
08/09 – 12/09	**Central Thruway: East Baton Rouge Parish, LA:** Assistant Project Engineer. Performed PDA testing on pre-stressed, pre-cast concrete piles for various bents.
03/19 – 07/20	**I-10 Widening (La415 To Howard St): East Baton Rouge Parish, LA:** Project Engineer. Ardaman's scope of work for this project consisted of evaluating laboratory test results, including consolidation testing, and producing soil boring logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity geophysical surveys, associated laboratory testing and the preparation of a geotechnical data report. Mr. Rousset assisted with the fieldwork portion of this project.
2020 – Ongoing	**Rural Bridges Replacement Initiative: Avoyelles And Webster Parishes, LA:** Project Engineer. This project consisted of the replacement of multiple small rural bridges throughout Central and North Louisiana. He oversaw the field investigation, lab testing, and engineering analyses for the project. Engineering analyses consisted of axial pile capacities, pile drivability, settlement, and slope stability analyses.
08/16 – 07/19	**Cs-65 Calcasieu Ship Channel Salinity Control Measures (Cs-65) Phase 1a Project: Cameron & Calcasieu Parish, LA:** Project Manager. The project aims to limit saltwater intrusion and reduce land loss across various bayous, marshes, and lakes within the vicinity of the Calcasieu Ship Channel (CSC), located across Cameron and Calcasieu Parish. Stretching across 20 miles, the project consists of various sill structures, erosion control measures, and channelization structures. Mr. Rousset served as project manager for this project where he coordinated all field investigation(s), laboratory testing, and geotechnical engineering analyses.

07/21 – 01/22	**I-10 Calcasieu River Bridge: Calcasieu Parish, LA:** Project Engineer. Assisted on coordination and oversight of aspects of this project pertaining to marine based field investigation. The fieldwork consisted of a series of soil borings and CPTs with challenging access requirements. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass.
09/18 – 10/22	**Us 190: La 437 To Us 190 Bus (Ph 1): St. Tammany Parish, LA:** Project Manager. Mr. Rousset is managed this project which included the widening of US 190 to a four-lane boulevard between US 437 and US 190. A new bridge over the Bogue Falaya River will be constructed adjacent to, and east of, the existing bridge. The existing bridge will remain and function as two lanes of southbound traffic. The new bridge will be 54-feet-wide with three 12-foot travel lanes for 2 northbound traffic with an eight-foot shoulder to the inside and a 10-foot shoulder to the outside. Mr. Rousset managed the field investigation and laboratory testing.
07/16 – 10/21	**I-12 Widening (Us 190 To La 59): St. Tammany Parish, LA:** Project Manager. Mr. Rousset managed this project which included the widening of Interstate 12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridges structures. The field investigation, conducted in accordance with LADOTD specifications, included field reconnaissance including determining access and gaining rights of entry, completing utility locations, locating/staking boring locations, and developing a plan for the initial mobilization of equipment to the site and mobilization between sites. Soil boring logs were created in LADOTD format. Engineering analyses for a retaining wall for one of the bridge abutments was conducted.
10/18 – 01/19	**I-220 / I-20 Interchange Improvement and Barksdale Air Force Base Access Road: Bossier Parish, LA:** Project Engineer. Assisted in planning and coordination of installation of automated settlement monitoring instrumentation. Also assisted in preliminary design and planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana.
Career History	Mr. Rousset serves as the manager of Ardaman's New Orleans office and as project manager for various geotechnical engineering projects as well as contract administrator of several major contracts. He has managed projects that have included pile and drilled shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. Mr. Rousset has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation.

16. STAFF EXPERIENCE

Firm Employed By Ardaman & Associates, Inc.			
Name	**Jarmon King, PE**	Years of relevant experience with this employer	5
Title	Project Engineer	Years of relevant experience with other employer(s)	1

Degree(s) / Years / Specialization			BS / 2019 / Civil Engineering
Active registration number / state / expiration date			PE No. 49179 / LA / 03-31-2025
Year registered	2019	Discipline	Civil
Contract role(s) / brief description of responsibilities			Project Engineer

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/19 – 07/20	**I-10 Widening (LA 415 To Howard St): East Baton Rouge Parish, LA:** Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report.
01/15 – Ongoing	**Pecue Lane / I-10 Interchange: East Baton Rouge Parish, LA:** Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge.
10/18 – 01/19	**I-220 / I-20 Interchange Improvement & Barksdale Air Force Base Access Road: Bossier Parish, LA:** Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test pile program.
07/21 – Ongoing	**I-10: LA 415 To Essen LA:e On I-10 & I-12 (Cmar): Baton Rouge Parish, LA:** Assistant Project Engineer/Project Manager. Assists in engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
04/21 – Ongoing	**Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA:** Assistant Project Engineer. Assists in engineering design pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
07/21 – 01/22	**I-10 Calcasieu River Bridge: Calcasieu Parish, LA:** Assistant Project Engineer. Assisted with all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. He also assisted with the laboratory testing program, processing and analyzing of the ECPT and ER data, development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing brid with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.
Career History	Jarmon King serves as a project engineer and is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; processes and analyzes Cone Penetration Test (CPT) sounding, data, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King has experience in overseeing and performing Pile Driving Analyzer (PDA) testing during construction projects.

16. STAFF EXPERIENCE

Firm Employed By Ardaman & Associates, Inc.					
Name	**Jessica N. Litt**			Years of relevant experience with this employer	10
Title	Laboratory Manager			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2010 / Biology		
Active registration number / state / expiration date			NICET / Generalist, Laboratory No. 141243 / 10-01-2024		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Laboratory Manager		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/18 – 06/21	**Chef Menteur Pass Bridge And Approach: Orleans Parish, LA:** Laboratory Technician. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.
11/15 – 01/21	**Macarthur Interchange Completion Phase 2, Route Us 90-Z: Jefferson Parish, LA:** Laboratory Technician. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.
04/14 – 03/22	**I-12 To Bush Segment 2, LA 3241: St. Tammany Parish, LA:** Laboratory Technician. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.
04/14 – 05/18	**I-12 To Bush Segment 3, LA Hwy. 3241 (LA 435 To LA 40 / 41): St. Tammany Parish, LA:** Laboratory Technician. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.
10/09 – Ongoing	**Mississippi River Bridge Review: Vicksburg, MS:** Laboratory Technician. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unconfined Compressive Test and Unit Weight, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, Organic Content, and UU Strength Tests and Consolidated-Drained Direct Shear Tests.
Career History	Ms. Litt serves as Laboratory Manager of Ardaman’s Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. She supervises and manages operations of our AMRL Certified and USACE-validated laboratory and performs and oversees laboratory testing assignments, organizes, and schedules testing, trains and develops technicians, and supervises four full-time laboratory technicians. Ms. Litt is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and LADOTD testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size, Sieve Testing, Organic Matter tests, Moisture Content, and Strength testing (Unconfined and Unconsolidated-Undrained Triaxial (UU)).

16. STAFF EXPERIENCE

Firm Employed By Ardaman & Associates, Inc.					
Name	**Donald Anthony**			Years of relevant experience with this employer	21
Title	Senior Driller			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			High School Diploma		
Active registration number / state / expiration date			Louisiana Water Well Driller's License #WWC-212,		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Drilling Supervisor		

Experience dates (mm/yy–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).
07/15 – Ongoing	**I-49 Connector (Lafayette Regional Airport To I-10/I-49/US 167 Interchange): Lafayette Parish, LA:** Drilling Supervisor. Supervised the completion of preliminary field investigation consisting of 120 deep borings, 19 CPT soundings, and 26 shallow borings.
04/14 – 05/23	**I-12 To Bush Segment 2, LA.3241: St. Tammany Parish, LA:** Drilling Supervisor. Oversaw the completion of 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings and sampling along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2.
08/08 – 02/12	**I-49 Segments E-J: Caddo, LA.** Drilling Supervisor. Conducted field reconnaissance, which included rights of entry, utility locations, access and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow borings in accordance with LADOTD standards.
02/12 – 11/13	**I-49 Segent K (I-220 To Mlk): Caddo Parish, LA:** Drilling Supervisor. Conducted field reconnaissance, which included rights of entry, utility locations, access and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow borings in accordance with LADOTD standards.
07/09 – 11/11	**LA.1, Phase 1 And Phase 2: LA.ourche Parish, LA:** Senior Driller. Mr. Anthony performed drilling and CPT services for a geotechnical investigation conducted in Louisiana coastal marshes utilizing a fleet of customized airboats. This project included over 100 boring and CPT sounding sample locations.
07/18 – Ongoing	**Mid-Breton Sediment Diversion: Plaquemines Parish, LA:** Senior Driller. Mr. Anthony serves as Senior Driller for CPRA's Mid-Breton Sediment Diversion Project which will reconnect the Mississippi River to the deteriorating deltaic wetlands in the Breton Sound Basin. This project includes a control structure in the mainline levee along the Mississippi River. The project also includes an associated river inlet channel, a conveyance channel across the protected landside area, and a back structure through the existing hurricane surge protection levee. The fieldwork for this project included over 50 sample locations inclusive of 3-in and 5-in diameter borings, CPTs, Vane Shear tests, and resistivity testing.
Career History	Mr. Anthony has over 20 years of experience drilling in the Louisiana Gulf Coast Region. This experience has included soil borings (on land and over water), CPT, monitor well installation and abandonment, and installation of geotechnical monitoring instrumentation. He has drilled in very soft organic rich soils, very stiff clays, sands and gravels. Mr. Anthony served as Ardaman's driller for the LA-1 new elevated highway project in Lafourche Parish where he conducted soil borings and CPTs via airboat to depths of 200 feet.

16. STAFF EXPERIENCE

Firm Employed By Ardaman & Associates, Inc.					
Name	**Casey Floyd**			Years of relevant experience with this employer	4
Title	Drilling Supervisor			Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization			High School Diploma		
Active registration number / state / expiration date			Traffic Control Supervisor / LA / 09-06-2027; Traffic Control Technician / LA / 09-05-2027		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Drilling Supervisor		

Experience dates (mm/yy–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).
04/21 – Ongoing	**Rural Bridge Initiative Phase Ii: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA.** Drilling Supervisor. Assisted with all aspects of this project pertaining to coordination of fieldwork including 31 deep soil borings. Some of these borings were performed through the middle of bridges and at hard access locations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
10/18 – 01/20	**Chef Menteur Pass Bridge & Approach: Orleans Parish, LA**. Drilling Supervisor. Helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Ardaman also developed soil boring logs and prepared a geo-technical data report.
03/19 – 07/20	**I-10 Widening (LA.415 To Howard St): East Baton Rouge Parish, LA**. Drilling Supervisor. Helped oversee the field investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, and electrical resistivity imaging along the entire alignment.
07/21 – 01/22	**I-10 Calcasieu River Bridge: Calcasieu Parish, LA**. Drilling Supervisor. Helped manage and oversee all aspects of an extensive field investigations program which included 37 deep soil borings and 39 CPT soundings. Most of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass.
Career History	Mr. Floyd has over 30 years of experience drilling in the Louisiana Gulf Coast Region. This experience has included soil borings (on land and over water), CPT, monitor well installation and abandonment, and installation of geotechnical monitoring instrumentation. Mr. Floyd has planned many LADOTD geotechnical investigation projects. He has arranged right of entry, utility locations, site clearing, arranging for police assistance (if needed) for traffic control/crew safety, and coordinating between engineering staff and drill crew.

16. STAFF EXPERIENCE

Firm employed by Lazenby & Associates, Inc.					
Name	**Jerry G. Lazenby, PE, PLS**			Years of relevant experience with this employer	41
Title	President			Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization			BS / 1965 / Civil Engineering		
Active registration number / state / expiration date			PLS No. 2313/ LA / 03-31-2026; PE No. 12104 / LA / 03-31-2026		
Year registered	1970; 1970	Discipline	Professional Land Surveyor; Professional Engineer (Civil and Environmental)		
Contract role(s) / brief description of responsibilities			Surveying Principal		

Experience dates (mm/yy–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).
10/12 – 06/16	**Principal-In-Charge for IDIQ Retainer for LDOTD Contract No. 4400002862, S.P. No. H.008768 –** Hydrographic Surveying Services for Monitoring of Existing Bridges-Statewide (North Region). Supervised the performance of hydrographic surveys on 14 Task Orders for checking channel scour at major bridge sites in north Louisiana. Duties included supervision of project surveyors and the development of required hydrographic survey schedules and reports at the various bridge locations.
09/18 – 02/23	**Principal-In-Charge for LDOTD Contract No. 4400012668, IDIQ Retainer Contract for Professional Hydrographic Surveying Services, Statewide (North Region) (LDOTD Contract No. 44-12668)** Supervised the performance of hydrographic surveys on 17 Task Orders for checking channel scour at major bridge sites in north Louisiana. Duties included supervision of project surveyors, QA/QC of the development of required hydrographic survey schedules and reports at the various bridge locations.
02/23 – Present	**Principal-In-Charge for LDOTD Contract No. 4400019714, IDIQ Retainer Contract for Professional Hydrographic Surveying Services (North Region) (LDOTD Contract No. 44-19714)**. Supervised the performance of hydrographic surveys checking channel scour at major bridge sites in north Louisiana. Duties include supervision of project surveyors and QA/QC reviewing of the development of required hydrographic survey schedules and reports at the various bridge locations.
06/04 – 03/05 01/06 – 06/09	**State Project No. 700-37-0102: US 165 (Jct. LA 841 – Rilla), Ouachita Parish.** Mr. Lazenby was Principal-in-Charge of this project and performed QA-QC reviews of the plans. On this project Lazenby & Associates performed topographic surveys, property surveys, ROW maps, alignment studies, and prepared preliminary and final roadway plans on a 4.5-mile section of US 165 being widened and upgraded to a four-lane divided arterial route under the Louisiana TIMED Program.
05/00 – 05/04	**State Project No. 700-99-0237: Retainer Contract for Professional Surveying Services, Statewide**. Mr. Lazenby was Principle-in-Charge responsible for 15 Task Orders to perform topographic surveys, property surveys, and develop ROW maps on various LDOTD projects in northern Louisiana.
01/04 – 05/07	**State Project No. 700-30-0061: US 167 (Lillie to Arkansas State Line), Union Parish**. Mr. Lazenby was Principle-in-Charge on this project and performed QA-QC review of the plans. On this project, Lazenby & Associates developed final roadway plans, final bridge plans, and ROW maps on a 7-mile section of US 167 that was widened to a four-lane rural and urban arterial route under the Louisiana TIMED Program.
07/10 – 12/13	**State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish.** Mr. Lazenby was Principle-in-Charge and performed QA-QC reviews of the plans. On this project, Lazenby & Associates developed topographic surveys, property surveys, right-of-way maps, preliminary roadway and bridge plans and final roadway and bridge plans along a 7.8-mile corridor being developed as an Urban Systems Project by the Bossier Parish Police Jury.

12/07 – 06/15	**State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish.** Mr. Lazenby was Principle-in-Charge, Project Manager, and performed QA-QC reviews of the plans. On this project, Lazenby & Associates performed topographic surveys, property surveys and developed right-of-way maps, preliminary roadway plans and final roadway plans for the widening of a 3.2-mile section of LA 616 from a two-lane rural roadway section to a five-lane urban roadway section including four multi-lane roundabouts. The project also included the hydraulic analysis of an existing timber bridge site in which the bridge was replaced with a reinforced concrete box culvert.
09/17 – Present	**State Project Nos. H.004774 & H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish**. Mr. Lazenby is Principle-in-Charge. On these projects, Lazenby & Associates performed topographic surveys, developed preliminary roadway plans, and is currently developing final roadway plans for the widening of a section of Garrett Road to a four-lane arterial route with five multi-lane roundabouts. The project includes ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, as well as lighting and traffic signal work. The project also includes design and development of subsurface drainage plans to improve drainage within the project area. Final plans are currently 98% complete.
10/14 – 06/17	**State Contract No. 4400004541: Retainer Contract for Professional Surveying Services – Statewide.** Mr. Lazenby was Principle-in-Charge responsible for 8 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
01/17 – 01/20	**State Contract No. 4400009384: Retainer Contract for Professional Surveying Services – Statewide.** Mr. Lazenby was Principle-in-Charge responsible for 6 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
10/19 – Ongoing	**State Contract No. 4400015236: Retainer Contract for Professional Surveying Services – Statewide.** Mr. Lazenby is Principle-in-Charge responsible for 15 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
10/20 – Ongoing	**State Contract No. 4400017710: Retainer Contract for Professional Surveying Services – Statewide.** Mr. Lazenby is Principle-in-Charge responsible for this contract, which thus far has contained 1 Task Order to perform a topographic survey on S.P.N. H.015052.5: I-20 Widening & Improvements (Vancil to LA 34).
Career History	Mr. Lazenby has over 50 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. The first 9 years of Mr. Lazenby's career were spend with the U.S. Bureau of Public Roads/Federal Highway Administration at various locations in the United States as a Highway Engineer reviewing and assisting state highway officials with transportation projects utilizing Federal-Aid transportation funding from project inception through construction. Mr. Lazenby has designed and supervised numerous projects for LDOTD over the past 45 years. He has been responsible for the firm's growth as well as the reputation of the firm. He has instilled in each member of the firm to provide a professional product and to deliver on time. Mr. Lazenby has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) National Environmental Policy Act (NEPA) and Transportation Decision Making

16. STAFF EXPERIENCE

Firm employed by Lazenby & Associates, Inc.					
Name	**Ronald J. Riggin, II, PE, PLS**			Years of relevant experience with this employer	11
Title	Project Surveyor			Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			BS / 2006 / Civil Engineering;		
Active registration number / state / expiration date			PLS No. 5119 / LA / 03.31.2025; PE No. 36016 / LA / 03-31-2025		
Year registered	2017; 2011	Discipline	Professional Land Surveyor; Professional Engineer (Civil)		
Contract role(s) / brief description of responsibilities			Project Surveyor		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/13 – 06/16	**Retainer Contract For Professional Surveying Services – Statewide.** Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 14 Task Orders for an accumulated value of $436,473.00 for LDOTD State Projects at various locations in northern Louisiana.
10/12 – 06/16	**Project Surveyor for Contract No. 4400002862, S.P. # H.008768 – Hydrographic Survey Monitoring of Existing Bridges – Statewide (North Region).** Performed hydrographic surveys on 14 Task Orders for monitoring scour at major bridge sites in north Louisiana. Duties included supervision of survey crews, analysis of survey data, and the development of required hydrographic survey reports at the various bridge locations.
09/18 – 02/23	**Project Surveyor for Retainer Contract No. 4400012668 – Retainer Contract For Professional Hydrographic Surveying Services – Statewide (North Region).** Performed hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties included supervision of field crews, analysis of survey data and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.
02/23 – Present	**Project Surveyor for Retainer Contract No. 4400019714 – Retainer Contract for Professional Hydrographic Surveying Services-Statewide (North Region).** Performing hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties include supervision and scheduling of field crews, analysis of field date and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.
04/14 – 04/18	**Professional Surveyor of Record for developing topographic surveys and Property Surveys** for private clients on residential developments and commercial developments in Ouachita Parish and northern Louisiana. Professional Engineer of Record for the overall design of residential and commercial developments.
03/15 – 08/17	**Project Engineer and Project Surveyor for S.P. # H.011742 – Ole Highway 15 Improvements (US 80 – Arkansas Road (LA 616)), Ouachita Parish:** Mr. Riggin performed a topographic survey of a 2.2 mile section of Ole Hwy 15 from US 80 to LA 616 and then was the project engineer responsible for roadway design which consisted of cold planning to remove existing AC surfacing, in-place cement stabilization of existing base course, A.S.T. interlayer and asphaltic concrete overlay.
05/16 – 02/18	**Project Surveyor on the Steep Bayou Sewer Main project of the West Ouachita Sewerage District No. 5:** Mr. Riggin performed a topographic survey of the alignment for a sewer main trunk line from I-20 to New Natchitoches Road along Steep Bayou in Ouachita Parish. He also conducted a boundary survey of the right-of-way parcels along this route and developed the necessary ROW maps and legal descriptions.
Career History	Mr. Riggin is familiar with the requirements of the LDOTD Location and Survey Section for conducting topographic surveys, property surveys and hydrographic surveys. Mr. Riggin is responsible for quality control of all survey data obtained by survey crews in conducting topographic surveys, property surveys, and hydrographic surveys. Mr. Riggin has over five (5) year's experience in conducting and performing hydrographic surveys in rivers, lakes and bays. Mr. Riggin has successfully completed the LA Specific Traffic Control Technician course and the LA Specific Traffic Control Supervisor course in January, 2014 and the Traffic Control Supervisor Refresher course in October, 2016 and July, 2020.

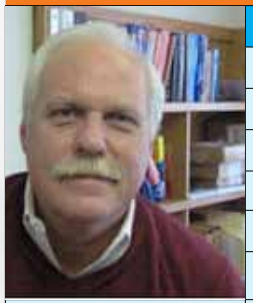
16. STAFF EXPERIENCE

Firm employed by Lazenby & Associates, Inc.			
Name	**Noah J. Sampognaro, 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 / 2020 / Civil Engineering
Active registration number / state / expiration date			EI No. 34746 / LA / 09-30-2025
Year registered	2021	Discipline	Civil Engineering (EI)
Contract role(s) / brief description of responsibilities			Road Design, Hydraulic Design & Analysis, Topographic Survey

Experience dates (mm/yy–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 – 06/2022	**Retainer Contract for Professional Surveying Services, Statewide:** This retainer contract consisted of fifteen task orders to perform topographic surveys for various projects across Louisiana. Mr. Sampognaro assisted in post-processing topographic survey data which was collected with the use of GPS receivers, robotic total stations, and SX-10 terrestrial scanners, as well as using TOPO Dot software to extract data collected with a terrestrial mobile lidar scanner. His duties also included creating survey centerline alignments (ALG's) and associated reports using horizontal regression analysis, developing existing digital terrain models (DTMs), and producing existing drainage maps. Some of the task orders on which Mr. Sampognaro has assisted include the following: State Project No. H.011706.5 – BNSF Several RR Xings (Baldwin) in St. Mary Parish (01/2021-08/2021) State Project No. H.012032.5 – LA 2: Bridges Near Mer Rouge, Route LA 2 in Morehouse and West Carroll Parishes (02/2021-04/2021) State Project No. H.008220.5 – LA 406 @ F.E. Hebert Roundabout, Route LA 406 in Plaquemines Parish (03/2021-07/2021) State Project No. H.012541.5 – LA 594: Overpass I-20, Route 594 in Ouachita Parish (01/2022-06/2022) State Project No. H.014646.5 – I-20: US 165 – E. of Garrett Road, Route I-20 in Ouachita Parish (08/2021-01/2022)
01/22 – 1/23	**I-20: I-20 Widening/Overlay (Vancil Rd to LA 34):** This project consisted of performing a complete topographic survey along I-20 from the Well Road Interchange to the LA 34 (Stella Mill St) Interchange in Ouachita Parish. It also included portions of Well Road, Downing Pines Road, Thomas Road, and LA 34 (Stella Mill St) for a total cumulative length of 25,625 ft (4.85 miles). Data was collected using GPS receivers, robotic total stations, SX-10 terrestrial scanners, and a terrestrial mobile LIDAR scanner. Mr. Sampognaro assisted in post-processing the survey data, extracting mobile LIDAR data using TOPO Dot software, and creating the existing drainage map. He also assisted in quality control measures by comparing field data collected by the survey crew to LDOTD as-built drawings.
01/21 – Ongoing	**Ouachita Parish Police Jury Road Program:** Mr. Sampognaro has assisted with the Ouachita Parish Police Jury Road Program. His duties consist of post-processing topographic survey data, developing pavement preservation roadway plans, including design of cross drain structures, super elevation correction calculations, and quantity calculations, to preserve and extend the life of Ouachita Parish roadways, some of which are constructed under the DOTD Urban Systems program. Some of the Ouachita Parish Urban Systems projects on which Mr. Sampognaro has assisted include the following: State Project No. H.013805 – Finks Hide-A-Way Road (Mill, Patch and Overlay and includes a segment of Reconstruction) State Project No. H.014397 – Rowland Road (Mill, Patch and Overlay)
Career History	Mr. Sampognaro has two years of experience in performing drainage design, hydraulic analysis, roadway design, and preparation of roadway plans on a variety of LDOTD and local roadway projects. Mr. Sampognaro passed his P.E. Civil Transportation exam in October 2022 and is currently enrolled in the University of Wyoming Cadastral Surveying Certificate Program. Mr. Sampognaro is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Sampognaro also assists in processing topographic survey and mobile LIDAR data, creating survey centerline alignments (ALG's) using horizontal regression analysis, developing digital terrain models (DTM's), and producing existing drainage maps for LDOTD topographic surveys.

16. STAFF EXPERIENCE



Firm employed by Marrero, Couvillon Associates, L.L.C.					
Name	**Hal Hofheins, AIA**			Years of relevant experience with this employer	1
Title	Sr. Architect			Years of relevant experience with other employer(s)	45
Degree(s) / Years / Specialization			B. Arch. / 1974 / Architecture and English		
Active registration number / state / expiration date			License No. 8568 / LA / 12-31-2024		
Year registered	2016	Discipline	Architecture		
Contract role(s) / brief description of responsibilities			Architect **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).
04/20 – 08/23	**ImmunoTek Bio Centers, Lafayette, LA:** In-House Company Architect for Design and Construction of Blood Plasma Donor Centers throughout the US Market, mostly East of the Mississippi River; New York, Indiana, Georgia, Alabama, Texas, Florida, Michigan, North Carolina, Tennessee, Louisiana, Virginia, Mississippi. Mr Hofheins was the Architect of Record for over 40 Blood Plasma Donor Centers, most of which were the adaptive re-use of existing Rite Aid, CVS, Walgreens and other "National Retailers". These facilities all required stringent compliance to Health Standards and Federal Licensing requirements, as well as ADA and OSHA.
09/18 – 03/20	**iParametrics, Lafayette, LA:** Senior Architect and Program Development Manager for FEMA projects throughout the US. Mr. Hofheins is fully vetted and badged through the Department of Homeland Security. His specialties involve Grant Preparation and Disaster Management for all Federally Designated Disaster Sites.
08/16 – 07/18	**Callaway Architects, Richardson, TX:** Senior Architect managing the interests of emerging retailer "At Home" as it expanded throughout the Northeast through "ground up" store development and adaptive re-use of vacant large box facilities. Average Store size was over 112,000 SF. This also involved the preparation and presentation to Planning Departments and City Councils to expand the branding through sign variances and Zoning exceptions. The extensive adaptive re-use program involved management of Phase I and II Environmental Surveys, Asbestos Abatement, Site and Landscape Mitigation and Storm Water Analysis.
06/14 – 05/16	**Senior Architect CVS Health, Woonsocket, RI:** Senior Architect with In-House Group responsible for the ADA Compliance of approximately 700 stores annually as part of the 2012 ERC Settlement to survey and upgrade all 9,000 stores owned by the company. Annual Budget for this work exceeded $200mil. Mr. Hofheins has over 64 hours of National ADA Training and is considered to be Certified in ADA Compliance for Building Design.
02/12 – 05/14	**Senior Project Architect, D'Argent Companies, Alexandria, LA:** Senior Architect for the Development Company. Projects that included financial services facilities, large box retail, oil exploration support, shopping centers, grocery and medical support facilities. Mr Hofheins led the Architectural response in support of D'Argent's primary client, XTO Energy and was responsible for "in-house" design, construction estimating, permitting and construction of support facilities to the energy giant's field operations performing hydraulic fracturing in Oklahoma, Pennsylvania, Texas and North Dakota. Each site would have a general budget of $2mil.
Career History	Mr. Hofheins has over 45 years of professional experience as a Licensed Architect and Executive Manager in both Corporate and Private Practice. Regional and National Office Management experience and exposure to multi-state development of facilities for National Corporations and Fortune 500 companies. His areas of expertise include Architectural Design, Document Production, Construction Estimating and Management, Contract Management, LEED and Sustainable Design, Project Management, Project Entitlement & Government Qualifications, ADA Forensics and Assessment for all ICBO Occupancies. Extensive Design and Construction Management Experience throughout North America, the Caribbean and the Pacific Rim; in virtually every Building Occupancy and Type.

16. STAFF EXPERIENCE

Firm employed by Marrero, Couvillon Associates, L.L.C.					
Name	**Brian T. Miller, PE**			Years of relevant experience with this employer	9
Title	Sr. Mechanical Engineer			Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization			BS / 1986 / Mechanical Engineering;		
Active registration number / state / expiration date			PE No. 26080 / LA / 09-30-2025		
Year registered	1983	Discipline	Mechanical Engineering		
Contract role(s) / brief description of responsibilities			Mechanical Engineering **MPR 6**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
12/13 – 01/15	**LADOTD – W. LaRose Vertical Lift Bridge Rehabilitation:** MCA was responsible for Architectural and Mechanical design for rehabilitation of the Operator's House at an existing bridge over the Intracoastal Waterway. Work was done as part of a larger bridge rehabilitation project.
03/17 – 01/18	**City of New Orleans – Mirabeau Water Garden, New Orleans, LA:** A 25 acre site at Mirabeau Ave. and St. Bernard Ave. is being developed into a 9.5MM gallon surge stormwater retention site as part of the comprehensive New Orleans Water Plan. The facility will include a lift station building, water runnel feature, area lighting and plans for future buildings used for educa-tional and assembly purposes. MCA provided engineering design and is providing the construction engineering services.
06/19 – 10/19	**Cuccia-Byrnes Playground, New Orleans, LA:** Marrero, Couvillon & Associates provided mechanical and electrical engineering services for improvements to the Cuccia-Byrnes Playground for the New Orleans Recreation Department in the City of New Orleans. The work included construction of a new building housing concessions and toilet facilities, as well ball field lighting
05/20 – 11/20	**Louisiana Wetlands Education Center, Town of Jean Lafitte, LA:** MCA provided mechanical plumbing, electrical and fire protection engineering design services for this facility which promotes preservation, conservation and adaptation related to wet-land ecosystems, using its location in the Jean Lafitte area as an outdoor classroom. The Louisiana Wetlands Education Center, including programming for all ages, provides educational opportunities regarding the unique ecosystems of coastal Louisiana. The facility isutilized for research and provides a meeting location for interested parties/institutions. MCA was responsible for HVAC, plumbing, lighting, electrical power distribution and fire protection system.
08/16 – 07/21	**New Orleans Municipal Yacht Harbor, New Orleans, LA:** Marrero, Couvillon & Associates provided Mechanical, Electrical, Plumbing and Fire Protection engineering services to the prime Marine Engineering firm for the renovation of the City of New Orleans Municipal Yacht Harbor. New floating concrete docks with approximately 500 boat slips were installed, complete with electrical, water and fire protection utilities for each slip. A new Comfort Station (restrooms) with mechanical and electrical utilities was constructed as well.

16. STAFF EXPERIENCE

Firm employed by Marrero, Couvillon Associates, L.L.C.					
Name	**Christian Schade, PE**			Years of relevant experience with this employer	7
Title	Sr. Electrical Engineer			Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization			BS / 1993 / Electrical Engineering		
Active registration number / state / expiration date			PE No. 32483 / LA / 09-30-2024		
Year registered	2006	Discipline	Electrical and Computer Engineer		
Contract role(s) / brief description of responsibilities			Electrical Engineering **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).
06/19 – 10/19	**Cuccia-Byrnes Playground, New Orleans, LA**: Marrero, Couvillon & Associates provided mechanical and electrical engineering services for improvements to the Cuccia-Byrnes Playground for the New Orleans Recreation Department in the City of New Orleans. The work included construction of a new building housing concessions and toilet facilities, as well as ball-field lighting. Size: 2,000 sq. ft.
:7/19 – 11/19	**Coquille Parks & Recreation Upgrades and Master Plan, St. Tammany Parish, LA**: Sr. Electrical Engineer - Master planning efforts started with a visioning process and the development of a mission statement, core values, and re-branding the district as Coquille Recreation. Plans for the main 100-acre park as well as linear park linkages and other potential recreational sites within the district were developed along with program, staffing and management recommendations. At the heart of the plan is the Great Park at Coquille, a multi-use recreational facility providing sports, passive recreation and entertainment venues for the public. MCA provided master planning for this effort for site electrical infrastructure, providing a detailed plan for segmental expansion and improvements to power distribution systems on the site. In addition, MCA provided mechanical and electrical engineering design services for several restroom facilities, a golf pro shop, a tennis court and out-door athletic facility lighting.
04/18 – 10/18	**Milton J. Womack Park, BREC, Baton Rouge, LA:** Sr. Electrical Engineer - Marrero, Couvillon & Associates, with a civil subconsultant, provided civil, plumbing, and electrical engineering services for Womack Park. The project included grading 2 multi-purpose fields, installing irrigation and grass, and construction of a modular restroom building for the fields. The civil work included milling and repairs to the existing asphalt parking areas, design of new handicapped parking spaces, new driveway entrance, new ADA compliant sidewalks, and new fencing. Plumbing work included new water and sewer for the modular restroom building, and water supply for the irrigation systems. Electrical design included modifications to the parking lot lighting, new power distribution to the modular restroom building, and an expansion to the existing access control system to connect 2 new vehicle gates. The system included 2-way voice communication and remote control of gates. Work was completed in 2018.
03/17 – Present	**City of New Orleans, Mirabeau Water Garden, New Orleans, LA**: A 25-acre site at Mirabeau Ave. and St. Bernard Ave. is being developed into a 9.5MM gallon surge stormwater retention site as part of the comprehensive New Orleans Water Plan. The facility will include a lift station building, water runnel feature, area lighting and plans for future buildings used for educational and assembly purposes. MCA project the engineering design and is providing the construction engineering.
07/17 – 11/20	**I-10 and 73 Design Build:** Provide electrical engineering and design for lighting on the I-10 Widening from Highland to LA 30 design-build projects. MCA provided engineering design and construction engineering services.
08/16 – 07/20	**Bayou LaLoutre Bridge Rehabilitation:** Provided design and construction engineering for electrical rehabilitation on the vertical lift bridge.
08/16 – 07/21	**New Orleans Municipal Yacht Harbor, New Orleans, LA:** Marrero, Couvillon & Associates provided mechanical, electric, plumbing and fire protection design and construction engineering services to the prime firm for the renovation of the City of New Orleans Municipal Yacht Harbor of New Orleans Municipal Yacht Harbor. New floating concrete docks with approximately 500 boat slips were installed, complete with electrical, water and fire protection utilities for each slip. A new Comfort Station (restrooms) with mechanical and electrical utilities was constructed as well.

Section 17

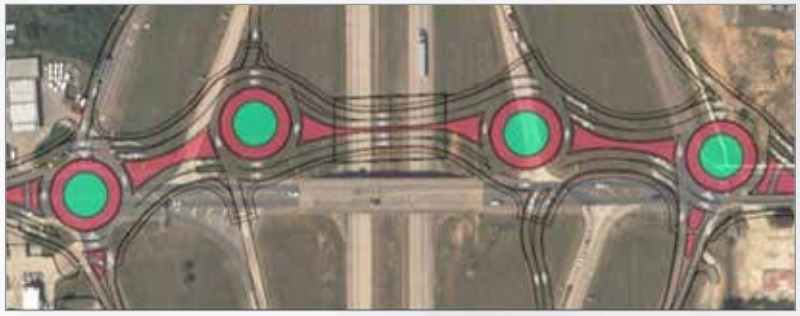
CONTRACT NO. 4400029441

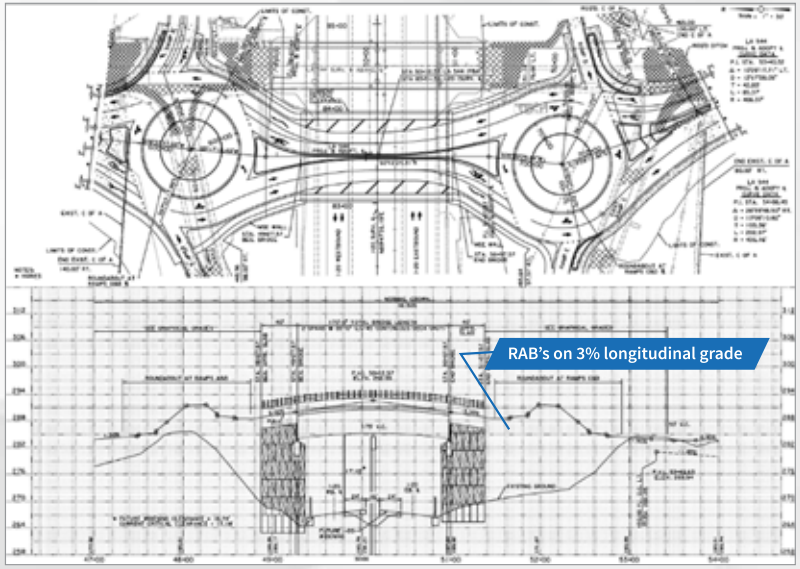
IDIQ CONTRACT FOR STATEWIDE FACILITIES & REST AREA ENGINEERING SERVICES

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Traffic and Road
Project name	**I-20: LA 544 Overpass Replacement**	Firm responsibility (prime or sub?)	Prime
Project number	H.010616	Owner's name	LADOTD
Project location	Lincoln Parish, LA	Owner's Project Manager	Jacob Fusilier, PE
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 70804 | 225.379.1185 | jacob.fusilier@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 preliminary and final roadway plans, traffic control design QA/QC, TMP and signal design QA, Sequence of Construction, hydraulic analysis and design, and MOT which maintains access to properties during construction. This project will replace the LA 544 Overpass diamond interchange with a roundabout diamond interchange. The project includes four multilane roundabouts (two entrance/exit ramps at 3% grade), a new bridge over I-20, roadway improvements to I-20 and the ramps, and roadway widening (from 2 to 4 lanes) along LA 544 an urban atrial roadway. The bridge design and retaining wall design will be completed by DOTD.





Challenges:

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

Solutions:

1. NSI designed 65 pages of 13 phased construction with models to consider each phase and final joint layout and elevations.
2. 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.
3. 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 retainage 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, Mai Nguyen, Chance Shuckrow, Scott Andrepont, Josh Schexnider, Frank Standige, Jacob Thiaville

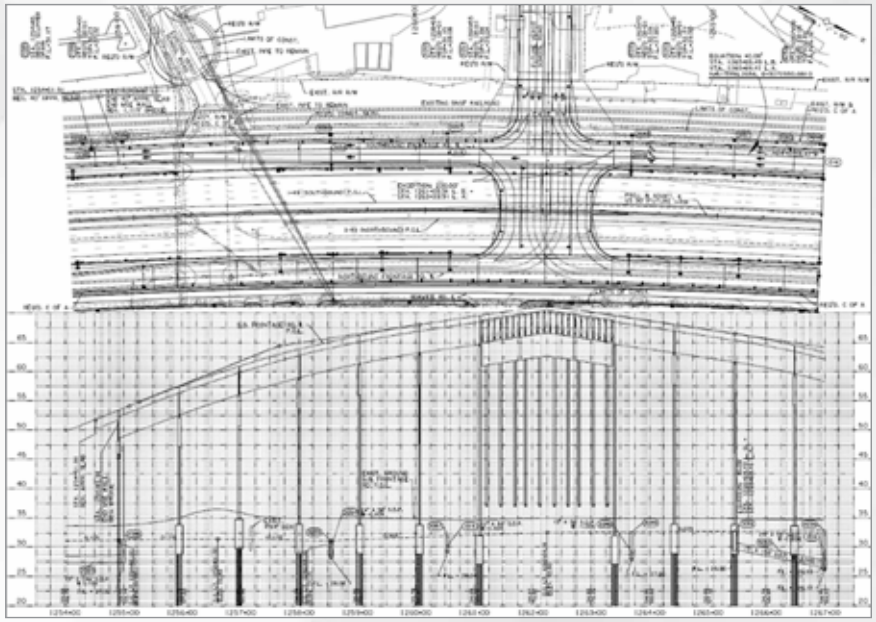
17. FIRM EXPERIENCE

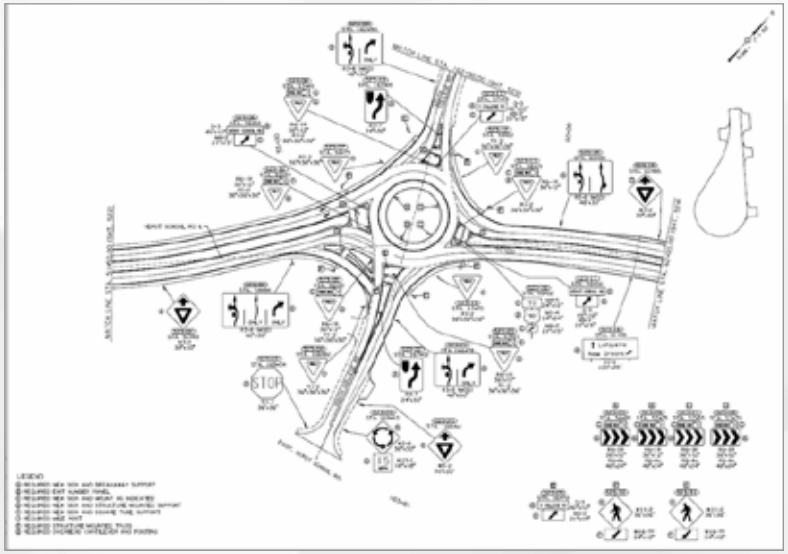
Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Road
Project name	**I-49 South @ Verot School Road**	Firm responsibility (prime or sub?)	Sub
Project number	H.011235.5	Owner's name	LADOTD
Project location	Lafayette Parish, LA	Owner's Project Manager	Corey Landry, PE
Owner's address, phone, email	1202 Capitol Access Road, Baton Rouge, LA 70802, 225.379.1889, corey.landry@la.gov		
Services commenced by this firm (mm/yy)	07/16	Total consultant contract cost ($1,000's)	$ 724
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$ 724

This project will provide 2.4 miles of mainline freeway and an interchange at the intersection of I-49 South/US 90 and Verot School Road, in Lafayette, LA. The proposed project also includes one-way frontage roadways on both sides of the mainline urban freeway, a two-way service road, new bridge interchange, MSE walls, and a new alignment for Verot School Road which includes a multilane roundabout at the relocated intersection of South College and Verot School Road. This project will include close coordination with BNSF RR due to crossings and drainage impacts associated with the mainline corridor.

NSI is providing roadway design services for the proposed interstate, frontage roadways, and associated drainage. NSI is also providing traffic design services, signage design and TMP 2 for the entire project. This project is currently in the 95% Final Design phase.

Firm Members: Nick Ferlito, Dishili Young, Mai Nguyen,





17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Other (Site/Civil); Other (Landscape Architecture)
Project name	**I-20 Vicksburg Welcome Center**	Firm responsibility (prime or sub?)	Prime
Project number	NS.6955.009	Owner's name	Mississippi Department of Transportation
Project location	Vicksburg, MS	Owner's Project Manager	Jim Vinson
Owner's address, phone, email	401 North West Street, Jackson, MS 39201, 601.359.7292, jvinson@mdot.state.ms.us		
Services commenced by this firm (mm/yy)	10/09	Total consultant contract cost ($1,000's)	$24
Services completed by this firm (mm/yy)	12/10	Cost of consultant services provided by this firm ($1,000's)	$24

Neel-Schaffer, Inc. (NSI) was selected to provide landscape architectural services for landscape and site renovation of the Mississippi Welcome Center located on I-20 in Vicksburg.

The Mississippi Welcome Center in Vicksburg is located on a bluff overlooking the Mississippi River. Its location holds historical significance because it was used by Native Americans, explorers, and early settlers. It has also offered a vantage point for many through the years as flatboats, k eel boats and steamboats floated past on the way to ports along the Mississippi River. Today, it still offers magnificent views of the river, as well as the I-20 Bridge and the railroad bridge.

The landscape architectural services provided for the welcome center were the selective removal of existing plant material and the installation of new shrubs, trees and ground cover. Plans were also provided for a new automated irrigation system and a wood fence to screen the center's dumpster location. New benches and trash receptacles were also part of the project.

Funding for the project was made possible through the American Recovery and Reinvestment Act of 2009 allotment to the Mississippi Department of Transportation (MDOT), also known as the "Stimulus Act."

Firm Members: Russ Bryan

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Road; Other (Project Management): Other (Site/Civi); Other (Landscape Architecture); Other (Construction Support)
Project name	**I-59 Pearl River Welcome Center Landscape**	Firm responsibility (prime or sub?)	Prime
Project number	NS.6955.005	Owner's name	Mississippi Department of Transportation and Development
Project location	Pearl River County, MS	Owner's Project Manager	Jim Vinson
Owner's address, phone, email	401 North West Street, Jackson, MS 39201; 601.359.7292, jvinson@mdot.state.ms.us		
Services commenced by this firm (mm/yy)	04/09	Total consultant contract cost ($1,000's)	
Services completed by this firm (mm/yy)	02/10	Cost of consultant services provided by this firm ($1,000's)	$950

Neel-Schaffer was selected by the Mississippi Department of Transportation to design and provide construction administration for the Pearl River County Welcome Center construction project on Interstate 59.

The project scope included replacement of concrete pavement for truck parking areas, concrete paving for new bus parking areas, storm water drainage piping and inlets, landscaping, streetscape, replacement of old roadway lighting, picnic shelter construction, new sewage lift station and force main tie in to the Pearl River County Utility Authority system.

As part of the construction administration services, Neel-Schaffer assisted with reviewing shop drawings, attended progress meetings, and provided field services as requested by the Mississippi Department of Transportation. The $950,000 project was completed in February 2010

Firm Members: Russ Bryan

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Road; Other (Project Management); Other (Site/Civil); Other (Landscape Architecture); Other (–Construction Support)
Project name	**Woodville Hospitality Station**	Firm responsibility (prime or sub?)	Prime
Project number	NS.6955.004	Owner's name	Mississippi Department of Transportation
Project location	Woodville, MS	Owner's Project Manager	Jim Vinson
Owner's address, phone, email	401 North West Street, Jackson, MS 39201; 601.359.7292, jvinson@mdot.state.ms.us		
Services commenced by this firm (mm/yy)	04/09	Total consultant contract cost ($1,000's)	$98
Services completed by this firm (mm/yy)	08/09	Cost of consultant services provided by this firm ($1,000's)	$98

Neel-Schaffer was selected to design the Woodville Hospitality Station on U.S. Highway 61 in Wilkinson County on behalf of MDOT. The property was made available after a relocation of Highway 61. The design of the $2.5 million project included relocation of an existing drainage channel, which divided the parking area to the rear of the site, requiring an extensive amount of fill material to be imported. Neel-Schaffer designed entry and exit lanes along US 61, a frontage road adjacent to the highway for residential access, truck/bus parking areas, car parking areas, and a travel-trailer dump station.

Neel-Schaffer used specialized software (vehicle swept path software) to analyze the semi-truck and bus turning paths within the facility to ensure the paved surfaces were sized adequately to accommodate various sized vehicles.

Special consideration was given to the storm drainage design on the project, which included capturing existing drainage runoff from pipes under the highway and extending the system to the relocated drainage channel located east of the site. Neel-Schaffer designed a portable water system and a sanitary sewer collection system to be connected to existing water and sewer facilities with the Town of Woodville. Neel-Schaffer worked closely with MDOT, the Federal Highway Administration, and other design consultants to provide a complete set of preliminary and final plans, specifications, and contract documents for this project.

Construction administration services were provided during the building phase of the project including the review of shop drawings, attendance at progress meetings, and execution of field services as requested by MDOT.

Firm Members: Russ Bryan

17. FIRM EXPERIENCE

Firm Name	**Ardaman & Associates, Inc.**	Past Performance Evaluation Category(ies)*	Geotech
Project name	**Mound Rest Area Improvements**	Firm responsibility (prime or sub?)	Sub
Project number	07-L1218	Owner's name	LADOTD (Client: CSRS, Inc.)
Project location	Mound, LA	Owner's Project Manager	Stephen Estopinal
Owner's address, phone, email	6767 Perkins Road, Suite 200, Baton Rouge, LA 70808; 225.769.0546; sestopinal@csrsonline.com		
Services commenced by this firm (mm/yy)	2007	Total consultant contract cost ($1,000's)	$9.5
Services completed by this firm (mm/yy)	2008	Cost of consultant services provided by this firm ($1,000's)	$9.5

The project consisted of the construction and updates to the existing rest area 5 miles west of the Mississippi State line on the westbound lanes of I-20 in Mound, Louisiana to LADOTD standards. The project included the expansion of the truck and car parking area and the construction of one small structure near the existing visitor's center. In addition, the existing entrance and exit ramps were demolished and rebuilt.

The field investigation, conducted in accordance with LADOTD specifications, included a field reconnaissance program which entailed gaining access and rights of entry, completing utility locations, locating/staking boring locations, and developing a plan for the initial mobilization of equipment to the site. A total of 12 soil borings were performed ranging in depths from 6 to 20 feet below the existing ground surface. Global Position System (GPS) data was collected at each soil boring location along with groundwater level readings.

Laboratory testing performed which was based on LADOTD standards included strength and appropriate classification testing. Engineering services included supervision of the field program, development of the laboratory testing program, quality control review, and preparation and submittal of soil boring logs in the LADOTD format. Engineering analyses included earthwork recommendations, shallow foundation and settlement recommendations, and pavement recommendations.

Firm Members:Megan Bourgeois

17. FIRM EXPERIENCE

Firm Name	**Ardaman & Associates, Inc.**	Past Performance Evaluation Category(ies)*	Geotech
Project name	**I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR)**	Firm responsibility (prime or sub?)	Sub
Project number	SP No. H.004100.5	Owner's name	LADOTD
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Nicholas Olivier
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA; 225.379.1133; nicholas.olivier@la.gov		
Services commenced by this firm (mm/yy)	07/21	Total consultant contract cost ($1,000's)	$20,800
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$692

The Construction Management at Risk (CMAR) project scope consists of widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 mile. Ardaman is the Geotechnical Consultant on the CMAR team and is currently providing geotechnical support for Segment 1 which starts near the I-10 and I-110 split between Napoleon and St Joseph Streets to Acadian Thruway entrance and exit ramps.

Ardaman previously completed 58 soil borings and associated laboratory testing based on LADOTD standards, and 11 electronic cone penetration tests (ECPT) in the preliminary portion of the widening project between Napoleon Street and Louise Street under our current retainer contract in support of the project. In addition, Ardaman performed geophysical surveys along the entire alignment, which allowed for survey of the subsurface conditions between the boring locations. Ardaman is currently performing 37 additional soil borings along the Segment 1 area to supplement existing data along the alignment.

Engineering services include supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile and analyze all the supplied soil boring data provide by LADOTD and the additional borings that are currently being performed. The engineering analyses consist of detailed selection of design reaches and design soil parameters, slope stability and settlement of earth retained structures, soil-structure interaction with existing structures, deep foundation design, and load testing recommendations. A preliminary geotechnical assessment report was prepared, and a final geotechnical design report will be submitted.

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

17. FIRM EXPERIENCE

Firm Name	**Ardaman & Associates, Inc.**	Past Performance Evaluation Category(ies)*	Geotech
Project name	**I-20 Mississippi River Bridge Review**	Firm responsibility (prime or sub?)	Prime
Project number	SP No. H.004646 09-L1049; H.010603.6 13-3720; H.010612.6 20-3729	Owner's name	LADOTD
Project location	Madison Parish, LA	Owner's Project Manager	Chris Nickel
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA; 225.379.1100; Chris.Nickel@la.gov		
Services commenced by this firm (mm/yy)	10/09	Total consultant contract cost ($1,000's)	$7,326
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$7,326

Ardaman conducted a geotechnical study to develop a list of technically feasible remedial alternatives to decrease the potential for ground movements to occur at the site of the I-20 Bridge. Movement of the east abutment of the bridge was first realized in 2001 during an inspection. Over the years Mississippi DOT has retained several consultants who have studied the problem, but no viable solution was identified.

Ardaman conducted a comprehensive review of past slope stability evaluations and recommendations. This task was followed by developing a refined geotechnical site characterization plan for the bank/bluff area for further analyses. Drilling operations included obtaining extremely sensitive samples containing prehistoric shear planes from the river via barge and on land, all with extremely difficult access conditions. The drilling program also included installation of geotechnical instrumentation such as Shape Accelerator Arrays, inclinometers, and vibrating wire piezometers. Engineering analyses performed included seepage and drawdown analyses and both equilibrium and finite element numerical modeling slope stability analyses.

As part of the project, Ardaman developed a full slope stabilization design and construction remediation strategy and a monitoring program for the bluff instability and ground movements affecting the existing I-20 Mississippi River Bridge.

Ardaman is currently managing a phase of the project which involves upgrading the entire instrumentation communication system. It also includes gathering and continuously monitoring various types of instrumentation data, inspects of the site and monitoring changes in topography by obtaining periodic survey data.

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

17. FIRM EXPERIENCE

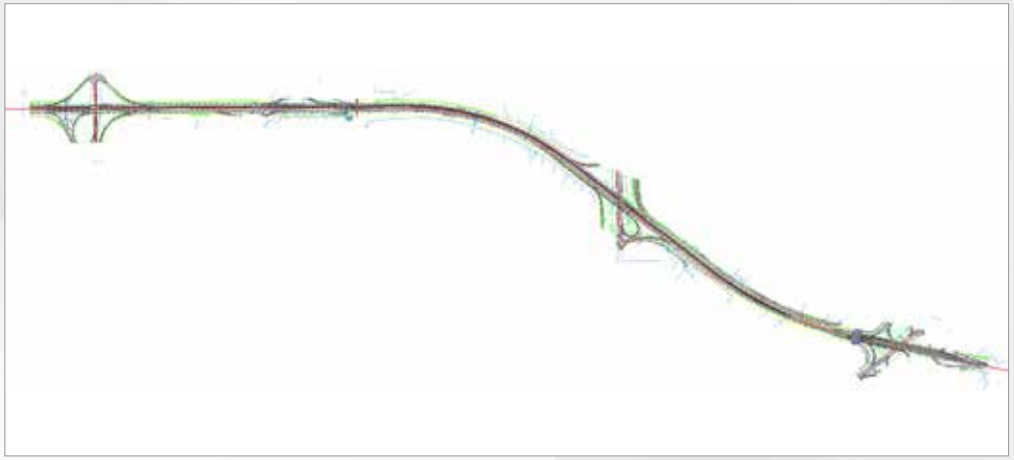
Firm Name	**Lazenby & Associates, Inc.**	Past Performance Evaluation Category(ies)*	Road, Survey
Project name	**Arkansas Road (West Monroe) LA 616**	Firm responsibility (prime or sub?)	Prime
Project number	S.P.N. H.002622	Owner's name	LADOTD
Project location	Ouachita Parish	Owner's Project Manager	Fred Borne, P.E. (Retired)
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804-9245; 225.379.1388; Fred.Borne@la.gov		
Services commenced by this firm (mm/yy)	12/07	Total consultant contract cost ($1,000's)	$1,611
Services completed by this firm (mm/yy)	06/15	Cost of consultant services provided by this firm ($1,000's)	$1,512

Lazenby & Associates, Inc. was the prime consultant on this project, which involved the widening of a 3.2-mile segment of Arkansas Road (LA 616) from a two-lane arterial to a five-lane arterial with subsurface drainage. The project included replacing four signalized intersections with multi-lane roundabouts to improve safety. An existing timber bridge site was replaced with a 4 – 7'x 7' RCB as part of this project. Lazenby & Associates, Inc., performed topographic surveys and property surveys, and prepared preliminary plans, final plans, and right-of-way maps. Major design components were road design, hydraulic analysis and design, geometric design, signing and striping, and sequence of construction. Challenges encountered include developing a logical suggested sequence of construction while maintaining through traffic, and design of the roundabout finished grades due to the grades of the approach roadways at three of the roundabouts. Lazenby & Associates also assisted LDOTD in the environmental clearance process, preparing exhibits for and assisting with the public meetings and preparing permit drawings. Lazenby & Associates, Inc., also prepared utility relocation plans for water and sewer relocations within the project limits.

Firm Members: Jerry G. Lazenby, Ronald J. Riggin, Noah J. Sampognaro

17. FIRM EXPERIENCE

Firm Name	**Lazenby & Associates, Inc.**	Past Performance Evaluation Category(ies)*	Survey
Project name	**I-20 Widening/Overlay (Vancil Rd to LA 34)**	Firm responsibility (prime or sub?)	Prime
Project number	S.P.N. H.015052	Owner's name	LADOTD
Project location	Ouachita Parish	Owner's Project Manager	Steve A. LeBlanc, P.L.S.
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804-9245; 225.379.1292; Steve.LeBlanc2@la.gov		
Services commenced by this firm (mm/yy)	5/22	Total consultant contract cost ($1,000's)	$393.9
Services completed by this firm (mm/yy)	1/23	Cost of consultant services provided by this firm ($1,000's)	$393.9



Lazenby & Associates, Inc. is the prime consultant on this project, performing topographic surveying services within the existing I-20 ROW for existing interstate widening & overlay. Approximately 20,815 feet (3.94 mi) along I-20 (urban interstate) thru West Monroe, LA is included in the topographic survey limits, including portions of 3 urban principal arterial and 1 urban major collector interchanges/overpasses.

Static/RTK GPS survey methods were used to establish horizontal and vertical control for the field survey. Conventional survey methods using total stations and digital levels were used to collect the topographic survey data for the project. In addition, 3D LIDAR point clouds were collected using both stationary terrestrial tripod mounted scanner and mobile scanning. Topographic features were extracted from the 3D point cloud such as hard surface pavement, bridge structures, traffic signs, overhead truss sign supports, guardrails, and existing traffic lighting. 360 camera images collected with the mobile LIDAR and georeferenced aerial imagery were used to assist with the QA/QC validation of the topographic survey. In addition to the collection of topographic survey features, other surveying services include the establishment of referenced iron rods along the project to define the GPS control, locating and research of ownership of all utilities within the limits of the topographic survey using LA One Call and preparation of an existing drainage map of the project area. An existing DTM was developed using surface elevations collected and existing alignments were calculated along the I-20 corridor, interchanges and overpasses.

Firm Members: Ronald J. Riggin; Noah J. Sampognaro

17. FIRM EXPERIENCE

Firm Name	**Marrero, Couvillon Associates, L.L.C.**	Past Performance Evaluation Category(ies)*	Other (Electrical); Other (Mechanical)
Project name	**Cuccia Byrnes Playground**	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	City of New Orleans
Project location	New Orleans, Louisiana	Owner's Project Manager	Jenn Lilos
Owner's address, phone, email	1300 Perdido St., Room 6E15, New Orleans LA 70112; 504.658.8696, jlilos@nola.gov		
Services commenced by this firm (mm/yy)	10/15	Total consultant contract cost ($1,000's)	$60
Services completed by this firm (mm/yy)		Cost of consultant services provided by this firm ($1,000's)	$28

Marrero, Couvillon & Associates is providing mechanical and electrical engineering services for improvements to the Cuccia-Byrnes Playground for the New Orleans Recreation Department in the City of New Orleans. The work includes construction of a new building housing concessions and toilet facilities, as well ballfield lighting.

Firm Members: Christian Schade, PE; Brian Miller, PE

17. FIRM EXPERIENCE

Firm Name	**Marrero, Couvillon Associates, L.L.C.**	Past Performance Evaluation Category(ies)*	Other (Electrical)
Project name	**East Baton Rouge City/Parish Green Light Retainer Contract**	Firm responsibility (prime or sub?)	Prime
Project number	C.P. No. 09-EN-HC-0010	Owner's name	East Baton Rouge City Parish
Project location	Throughout East Baton Rouge Parish, Louisiana	Owner's Project Manager	Uyuho Eduok
Owner's address, phone, email	CSRS / East Baton Rouge City/Parish; PO Box 2975, Baton Rouge, LA 70821; 504-655-2942; ueduok@eduokassociates.com		
Services commenced by this firm (mm/yy)	05/09	Total consultant contract cost ($1,000's)	$465
Services completed by this firm (mm/yy)	12/17	Cost of consultant services provided by this firm ($1,000's)	$465

MCA has the retainer contract for Design Roadway Lighting. One project under this contract is Jones Creek Road. MCA is responsible for design of street lighting for roadway widening on Jones Creek Rd. Coordinated with utility company for power source. This project widened Jones Creek Road to provide two through lanes in each direction, sidewalks and raised median. It also required a new bridge crossing and realignment at Jones Creek. When combined with other projects in the Plan, it provided an improved north-south connection extending from Nicholson Drive to Hooper Road.

Firm Members: Brian Miller, PE

17. FIRM EXPERIENCE

Firm Name	**Marrero, Couvillon Associates, L.L.C.**	Past Performance Evaluation Category(ies)*	Other (Electrical); Other (Mechanical); Other (Site/Civil)
Project name	**Mirabeau Water Garden**	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	City of New Orleans – CNO Capital Projects Operator - CNO Sewerage and Water Board
Project location	New Orleans, Louisiana	Owner's Project Manager	Palmer Rhinehart
Owner's address, phone, email	Office of Infrastructure, Capital Projects Administration, City Hall, 1300 Perdido Street, Suite 6E15; New Orleans, LA 70112; 504-658-8682; prinehart@nola.gov		
Services commenced by this firm (mm/yy)	03/17	Total consultant contract cost ($1,000's)	$500
Services completed by this firm (mm/yy)	04/19	Cost of consultant services provided by this firm ($1,000's)	$70

A 25 acre site at Mirabeau Ave. and St. Bernard Ave. is being developed into a 9.5MM gallon surge stormwater retention site as part of the comprehensive New Orleans Water Plan. The facility will include a lift station building, water runnel feature, area lighting and plans for future buildings used for educational and assembly purposes. Marrero, Couvillon & Associates is handling the Mechanical, Electrical and Plumbing design. Approximate Construction cost is estimated at $12,000,000.

MCA designed the entire power distribution system connecting to Entergy's 7.2kV neighborhood feeders. A stepdown transformer powers the new pump station building where power is distributed facility wide. MCA designed the pump station's HVAC, power & lighting, controls and also a communication link back to the S&WB's SCADA system. This system uses the cellular network to provide high availability communications.

Level controls and Variable Speed Motor Drives enable two (2) - forty (40) HP axial flow water pumps to fill the retention basin from the underground Mirabeau Canal during a rain water deluge. Sluice weirs at the basin then meter the water back to the Sewerage & Water Board's drainage system at a much slower rate. This mitigates the surge experienced by the Mirabeau neighborhood drainage system during a rain water deluge.v

Firm Members: Christian Schade, PE; Brian Miller, PE

Section 18

CONTRACT NO. 4400029441

IDIQ CONTRACT FOR STATEWIDE FACILITIES & REST AREA ENGINEERING SERVICES

18. APPROACH & METHODOLOGY:

SOLUTIONS YOU CAN BUILD UPON…

We are uniquely capable of successfully preforming the tasks included in this contract but don't just take our words for it. Instead, we suggest you consider the opinion of our DOTD PM's. Our most recent DOTD rating is shown below and our DOTD Consultant Performance Reviews are highlighted throughout this section.

4.6 ROAD DESIGN RATING ON MOST RECENT DOTD PROJECT

COMPANY HIGHLIGHT

Neel-Schaffer, Inc. (NSI) was founded in 1983 and is a large, multi-disciplined consulting engineering firm of over 500 professional, technical, and support staff. We are uniquely capable of successfully performing the tasks included in this contract. We have been extensively involved in preliminary and final roadway plan development, traffic design, hydraulic analysis and design and construction cost estimating, in Louisiana for over 35 years for the LADOTD and for every major municipality in the State of Louisiana.

OUR TEAM

The NSI team (team) stands ready to work with the DOTD and has built an Integrated Project Delivery Team (IPDT) based upon full consideration of the size, scope, complexity, and duration of anticipated task orders. We will consult with DOTD to build IPDT(s) which are tailored to the specific requirements of individual task order(s). Our team includes Ardaman & Associates, Inc., Lazenby & Associates, Inc and Marrero, Couvillon & Associates, L.L.C.

As a local and regional consulting engineering firm, NSI has an extensive list of public projects related to the scope of work required in this advertisement. Our team is experienced in this type of work and our Project Manager is vested with the authority and responsibility necessary for committing the required functional resources from our multi-disciplined team of professionals to ensure quality and timely delivery of your project. NSI has worked with DOTD extensively in the past.

Our team includes civil, mechanical, electrical, road, structural, and traffic engineers located in Louisiana. NSI's previous civil site design project experience includes providing site designs and renovations to large and small new and existing sites in Louisiana and throughout the region. Ardaman & Associates, Inc. (Ardaman) specializes in geotechnical engineering consulting including field investigations and laboratory testing, foundation evaluation and development of design criteria, geotechnical performance monitoring, and construction quality assurance inspection and testing. Ardaman maintains offices in Baton Rouge, New Orleans, and Shreveport, LA. They has been in Louisiana since 1964, and their staff has a cumulative total of more than 100 years of geotechnical investigation and design experience. Lazenby & Associates, Inc. (L&A) provides professional land surveying services. L&A's experienced staff utilizes the latest in field surveying equipment and computer software to develop a detailed, accurate and attractive final product. They have an outstanding record of providing top quality surveying services by maintaining an adherence to the highest professional standards and ideals and providing quality surveying deliverables and exceptional client service. Marrero, Couvillon & Associates, L.L.C. (MCA) provides a range of services including mechanical and electrical engineering and architectural and construction management. MCA has offices in New Orleans and Baton Rouge, and is licensed in Louisiana, Mississippi, Texas, South Carolina, & North Carolina.

Our project manager, Don Lancaster, is the leader of the IPDT and "owns" the task order from its inception and remains responsible for each task order through execution of the work until its final closeout—a "cradle-to-grave" approach. This structure and operating principle establish that DOTD and your task order(s) are our primary focal point and allows the IPDT to maximize overall task order performance. Mr. Lancaster has over 40 years of experience in civil engineering and project management. He has extensive experience in program and project management for large and small municipal and civil projects that include programming, design, bidding and construction administration. His civil site design background includes the Port of Gulfport Restoration that included building and site renovations as well as new facilities and site development.

APPROACH AND METHODOLOGY

In the sections that follow, we have outlined an all-inclusive approach to completing the project, which is ideal for complex project types. NSI understands that the complexity of task order projects varies. Consequently, we are prepared to offer a more project specific approach which removes select submittal stages, for simple projects. We have experience with utilizing this approach for past DOTD projects. This approach will allow for an expedited project schedule and efficient use of the DOTD reviewer's time.

Before initiating Work, NSI will submit a Project Management Plan consisting of the following:

1. The intent, goals, and objectives of the project.
2. A description of NSI's organization including the relationship with subconsultants, and the identification of all discipline leaders.
3. A description of DOTD's responsibilities on the Project.
4. The role of NSI's Project Manager.
5. The responsibilities of each discipline leader.
6. The address, telephone numbers, and e-mail addresses for all key team members.
7. A WBS defines the individual responsible for each task.
8. A WBS-based estimate of the Budget and Cash Flow for the Project.
9. A WBS-based cost (money) resource loaded Schedule for the Project defining all significant milestones.

18. APPROACH & METHODOLOGY:

10. The method to be used by NSI for Budget and Schedule control.
11. The method to be used by NSI for measuring the actual progress of the Work (e.g., earned value system) in comparison to the schedule and expended budget.
12. NSI's Quality Control Plan (including Quality Assurance)
13. NSI's Communication Plan
14. NSI's VE Plan
15. A list of Work products to be submitted by NSI to DOTD (deliverables or submittals) including the date to be submitted and indicating the time allowed for review of each submittal.
16. Project Standards, Assumptions, and Design Criteria for work products.

Scope and Budget Development

Execute task order (TO), perform site inventory and analysis based on the scope of the project and develop a proposal and cost estimate and submit the information to the Facilities and Landscape Management Project Manager for approval and to initiate the TO. DOTD will provide a topographic survey and geotechnical report, if available but survey and geotechnical may be part of task order if requested by DOTD. Our IDPT includes Lazenby & Associates for surveying and Ardaman for geotechnical should these services be required for a particular task order. Other services such as ROW may be included if required by DOTD.

Proposed site plan, landscape plans and details, architectural plans, schedules, and details will be provided by DOTD.

Work Elements

Project Kickoff Meeting: NSI will attend the kick-off meeting where the project background, communication protocols, project schedule and submittal stages will be discussed. This meeting provides an opportunity to confirm the expectations of all attendees and obtain/request existing information which may not have been previously provided to the consultant. When properly conducted, this meeting can prevent issues as the project advances.

Prior to the Kickoff meeting NSI will provide the project manager with a draft version of the schedule for review and approval. The approved schedule will be presented at the kick-off meeting. In addition, a list of anticipated deliverable items based on submittal stages will be provided to attendees.

Site Visit, Review of Existing Data and Collection of New Data: NSI will conduct an initial site visit to determine the existing site conditions, obtain utility data, and determine potential constraints which are not apparent with aerial imagery or street view. Things like the posted speed, and potential sight distance issues will also be documented.

We will complete a review of the existing available data such as as-built plans, existing studies, prior design plans, shop drawings, and structure maintenance records. MCA will inspect the condition of existing structures and assess the condition of the architectural, structures and their mechanical, electrical, and plumbing systems regarding function, physical condition, operability, age, and compliance with current building codes including ADA compliance. Any new construction will be designed per DOTD's requirements and to all applicable codes and standards.

Survey Services: L&A will complete the surveying services if needed, including existing drainage mapping. This task will begin with obtaining the numbered field survey books from DOTD and a submittal of a survey line sketch for review and approval.

The topographic survey shall adhere to all modern survey theory, practice, and procedures, and follow the latest version of the LADOTD Location and Survey Manual including typical surveying methods as applied by LADOTD. This includes all accepted horizontal and vertical control standards as stated in the manual. The LADOTD feature table code list and symbols shall be utilized and met with those included in the latest edition of the survey feature code guidebook produced by the LADOTD Location and Survey Section and Automation. 3D Terrestrial Scanning may be utilized in conjunction with traditional means and methods to capture topography as applicable for each site.

Geotechnical Services: Should geotechnical services be required, Ardaman will assess all existing geotechnical information and collect new geotechnical data, if necessary, to complete assigned task orders. All geotechnical analyses and/or collection of new data will adhere to DOTD procedures and industry standards to ensure the highest quality data possible.

DOTD Performance Review Quote:

NSI "The consultant showed good knowledge of DOTD policies and manuals. The consultant responded to all comments received. Their plans were well thought through, clear, and accurate. The consultant displayed good judgment when resolving design issues throughout the preliminary plan development and acted promptly to resolve issues as they arose."

Preliminary Plans

Design and submit required drawings pertaining to the scope of the project for DOTD review. Preliminary drawings, specifications, and cost estimates shall be submitted at 30%, 60%, 90% and 100%.

Final Plans

Upon environmental clearance and approval to proceed, design and submit required drawings needed to fulfill the requirements of the task order for DOTD review. Final draw-

ings, specifications, and cost estimates shall be submitted at 30%, 60%, 90%, and 100%. Prepare necessary permitting and code compliance documents and forms required for the approval of governmental authorities having jurisdiction over the project.

Construction Related Engineering Services

Construction Support/Construction Related Engineering including review/approve submittals and shop drawings; review and respond to RFI's; perform regular field inspections/site visits as required to review and verify construction conformity of the contract documents; review contractor requested change orders and provide recommendations; and, track the progress of the As-Built plans during construction.

Deliverables

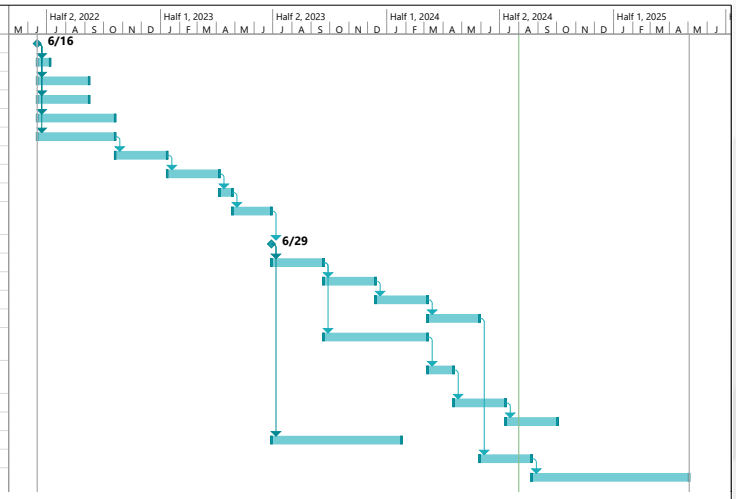
Deliverables will include electronic deliverables in conformance with DOTD Software and Deliverable Standards for Electronic Plans document.

DOTD Performance Review Quote

NSI "effectively and proactively controlled the Contract. When additional scope was added to the contract, the consultant coordinated effectively with the Department's project manager to identify critical path tasks. The consultant completed these tasks in a time frame which allowed the scheduled letting date to remain unaffected even with the increased scope."

NSI works very hard to track and maintain project schedules, control costs and quality. NSI employs scheduling software such as **Microsoft Project and Oracle Primavera P6** to track project activities and resources. And as a regional firm with offices throughout Louisiana, NSI is well positioned to provide the resources necessary to maintain an aggressive project schedule.

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		NTP Preliminary Plans	0 days	Thu 6/16/22	Thu 6/16/22		
2		Kickoff Meeting	15 days	Thu 6/16/22	Wed 7/6/22	1	
3		Topographic Survey	60 days	Thu 6/16/22	Wed 9/7/22	1	
4		Traffic Data *	60 days	Thu 6/16/22	Wed 9/7/22	1	
5		Geotechnical Services	90 days	Thu 6/16/22	Wed 10/19/2	1	
6		Preliminary Plans (30%	90 days	Thu 6/16/22	Wed 10/19/2	1	
7		Preliminary Plans (60%	60 days	Thu 10/20/22	Wed 1/11/23	6	
8		Preliminary Plans (95%	60 days	Thu 1/12/23	Wed 4/5/23	7	
9		Plan-in-Hand Meeting	15 days	Thu 4/6/23	Wed 4/26/23	8	
10		Preliminary Plans (100%)	45 days	Thu 4/27/23	Wed 6/28/23	9	
11		NTP Final Plans	0 days	Thu 6/29/23	Thu 6/29/23	10	
12		Final Plans (60%)	60 days	Thu 6/29/23	Wed 9/20/23	11	
13		Final Plans (95%)	60 days	Thu 9/21/23	Wed 12/13/2	12	
14		Final Plans (98%)	60 days	Thu 12/14/23	Wed 3/6/24	13	
15		Final Plans (100%)	60 days	Thu 3/7/24	Wed 5/29/24	14	
16		Property Survey, R/W Maps, & Title	120 days	Thu 9/21/23	Wed 3/6/24	12	
17		DOTD/FHWA Approval of Title	30 days	Thu 3/7/24	Wed 4/17/24	16	
18		Appraisals	60 days	Thu 4/18/24	Wed 7/10/24	17	
19		Negotiations	60 days	Thu 7/11/24	Wed 10/2/24	18	
20		Utility Agreements	150 days	Thu 6/29/23	Wed 1/24/24	11	
21		Letting	60 days	Thu 5/30/24	Wed 8/21/24	15	
22		Construction (Exact	182 days	Thu 8/22/24	Fri 5/2/25	21	



Project: Project1
Date: Thu 8/1/24

Task | Project Summary | Manual Task | Start-only | Deadline
Split | Inactive Task | Duration-only | Finish-only | Progress
Milestone | Inactive Milestone | Manual Summary Rollup | External Tasks | Manual Progress
Summary | Inactive Summary | Manual Summary | External Milestone

NSI will closely monitor cost during the design and construction phases of its contracts. Cost control methods used by the firm are based on the early development of viable design alternatives, maintenance of current construction cost files and consultation with experienced construction professionals. The firm stays abreast of new construction materials and techniques.

CONCLUSION

This project approach along with the of key personnel; support staff and projects presented in this proposal shows that our team possesses all the skills, experience, and knowledge to execute the anticipated scope of work included in this contract. Our team has the institutional knowledge, multi-disciplinary staff, and support facilities to deliver all resources necessary to meet and exceed the DOTD's needs. We look forward to the opportunity to show firsthand the quality that our team can provide.

Sections ***19-23***

CONTRACT NO. 4400029441

IDIQ CONTRACT FOR STATEWIDE FACILITIES & REST AREA ENGINEERING SERVICES

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)	$54,761
	ITS	4400010428 EWL 3, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	$805
	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	$226,797
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	$26,300
	ITS	440005459, H.004780.5	Kansas Lane Connector, S.A. #6	$14,691
	ITS	4400016364, H.013256.6	I-10 ITS Scott to Lake Charles Technical Support Services during Construction	$4,484
	ITS	4400016364, H.011504.5	Alexandria ITS Phase 2	$5,474
	ITS	4400016364, H.015136.1	Northshore Regional ITS Architecture Update	$0
	ITS	4400016364, H.014511.1	Houma Regional ITS Architecture Update	$51,289
	ITS	4400016364, H.015136.1	Shreveport-Bossier Regional ITS Architecture Update	$52,644
	ITS	4400016364, H.015136.1	Lake Charles Regional ITS Architecture Update	$51,342
	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	$187,076
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	$13,195
	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	$59,915
	Planning	4400018271, H.014746.1	LA 383 Corridor Study	$94,106
	Planning	440023689, H.015148.5	District 03 Safety Investment Plan	$33,447
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	$115,898
	Planning	4400023689, H.015227.5	US 61 at Victoria Dr. Pedestrian Crossing	$42,411
	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	$76,616
	Road	4400024927, H.015226.5	US 90: Roundabout at LA 101	$45,836
	Traffic	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	$408,730
	Traffic	4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	$163,973
	Road	4400024927, H.014366.5	LA 621 Realignment at LA 73	$306,608
	Traffic	4400024927, H.014366.5	LA 621 Realignment at LA 73	$166,184
Ardaman & Associates, Inc. Consultants, Inc.	Geotech	44-4128; H.004273	I-49 Connector, Lafayette	$493,373
	Geotech	44-18899; H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	$152,086
	Geotech	44-1960; H.013897	I-10 / I-12 College Drive Flyover Ramp	$207,522
	Geotech	44-19013; H.004100.5 & .6	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12	$605,273

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Ardaman & Associates, Inc. Consultants, Inc.	Geotech	H.04435	I-12 to Bush Construction Phase	$47,956
	Geotech	44-8671; H.009266	I-10 Widening: LA 73 to LA 30	$49,431
	Geotech	44-19013; H.002244.5	Boudreaux Canal Bridge (LA 56)	$160,589
	Geotech	44-17438; H.013284	MRB GBR LA 1 to LA 30 Connector	$307,627
	Geotech	44-6189; H.004647.6	I-20 Mississippi River Bridge at Vicksburg	$33,307
	Geotech	44-25025; H.015337, H.015452-63, H.015489-92	Rural Bridge Replacement	$367,451
	Geotech	44-24652; H.012842.5	LA 124 Ext. Near Larto Lake	$29,240
	Geotech	44-24652; H.014265.5	N River Road Irving Branch	$18,731
	Geotech	44-24652; H.012533.5	LA 1252 Bayou Pt Brule Bridge	$31,165
Lazenby & Associates, Inc.	Road	4400010428; H.004774.5; (L&A, Inc. 17E051.00)	Kansas Lane-Garrett Road Connector & I-20 Improvements, Ouachita Parish (Road Design-Urban & Road Design-Controlled Access) (99% Complete)	$12,770
	Road	4400026913; (L&A, Inc. 23E088.00)	IDIQ Contract for The Design of Safety Projects with Majority of Work in Districts 04, 05 & 58, Statewide (0.00% Complete)	N/A
	Road		No Active Task Orders At This Time	N/A
	Road	4400026026 (L&A, Inc. 23E055.00)	IDIQ Contract for Roadway Design Safety Statewide (0.00% Complete)	N/A
	Road		No Active Task Orders At This Time	N/A
	Bridge	4400025025 (L&A, Inc. 22E048.00)	Infrastructure Investing & Jobs Act (IIJA) Off-System Bridge Program – District 05 (13 Off-System Bridge Structures) (58.10% Complete)	N/A
	Bridge	H.015463.5 (L&A, Inc. 22E048.13)	White Oak Landing Over Edmonds Creek Union Parish Off-System Bridge	$50,246
	Bridge	1. H.015462.5 (L&A, Inc. 22E048.12)	Pilgram Rest Church Road Over Steep Bank Creek Union Parish Off-System Bridge	$50,246
	Bridge	2. H.015461.5 (L&A, Inc. 22E048.11)	Firetower Road Over Rock Creek Union Parish Off-System Bridge	$50,746
	Bridge	3. H.015454.5; (L&A, Inc. 22E048.04)	Kippler Creek Road Over Sugar Creek Jackson Parish Off-System Bridge	$56,181

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Lazenby & Associates, Inc.	Bridge	4. H.015455.5; (L&A, Inc. 22E048.05)	Spring Creek Road Over Wafer Creek Lincoln Parish Off-System Bridge	$56,181
	Bridge	5. H.015457.5; (L&A, Inc. 22E048.07)	Olen Hughes Road Over Bayou Bonne Idee Morehouse Parish Off-System Bridge	$19,681
	Bridge	6. H.015458.5; (L&A, Inc. 22E048.01)	Oscar Lum Road Over Williamson Creek Morehouse Parish Off-System Bridge	$19,681
	Bridge	7. H.015337.5; (L&A, Inc. 22E048.01)	Mineral Springs Road Over Clark Creek Ouachita Parish Off-System Bridge	$56,681
	Bridge	8. H.015459.5; (L&A, Inc. 22E048.09)	Lapine Road Over Rogers Creek Ouachita Parish Off-System Bridge	$60,731
	Bridge	9. H015460.5; (L&A, Inc. 22E048.10)	Little Road Over Creek Richland Parish Off-System Bridge	$60,731
	Bridge	10. H.015453.5; (L&A, Inc. 22E048.03)	Hale Road Over Alligator Bayou West Carroll Parish Off-System Bridge	$73,381
	Bridge	11. H.015456.5; (L&A, Inc. 22E048.06)	Hodge Road Over Cypress Bayou Madison Parish Off-System Bridge	$127,898
	Bridge	12. (L&A, Inc. 22E048.02)	East Carroll Parish (Not Authorized)	N/A
	Bridge	4400021887 (L&A, Inc. 21E071.00)	Contract for Replacement of Fifteen (15) Bridges, Multiple State Project Number, District 08 (2.00% Complete)	N/A
	Bridge	H.012047 (L&A, Inc. 21E71.01)	US 167 Bridge Over Big Creek Winn Parish	$265,102
	Bridge	H.012542 (L&A, Inc. 21E071.02)	LA 114 Bridge Over Belldean Bayou LA 107 Bridge Over Bayou Jack Relief Avoyelles Parish	$398,528
	Bridge	H.012543 (L&A, Inc. 21E071.03)	LA 8 Bridge Over Big Creek Grant Parish	$267,113
	Bridge	H.012544 (L&A, Inc. 21E071.04)	LA 120 Bridge Over Creek LA 120 Bridge Over Bayou Scie Relief No. 1 LA 120 Bridge Over Bayou Scie Relief No. 2 LA 120 Bridge Over Bayou Scie LA 120 Bridge Over Bayou Scie Relief No. 3 LA 474 Bridge Over Midkiff Creek Sabine Parish	$868,634

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Lazenby & Associates, Inc.	Survey	4400017710 (L&A, Inc. 19S056.00)	IDIQ Contract for Professional Surveying Services – Statewide (Topographic Surveys) (9.85% Complete)	N/A
	Survey		No Active Task Orders At This Time (Completed T.O. #2)	N/A
	Survey	4400019714 (L&A, Inc. 20S038.00)	IDIQ Contract for Hydrographic Surveying Services – Statewide with Majority of Work in Districts 04, 05, 08 & 58 (39.60% Complete)	N/A
	Survey		No Active Task Orders At This Time (Completed T.O. #6)	N/A
	Survey	4400027916 (L&A, Inc. 24S014.00)	IDIQ Contract for Professional Boundary Surveying Services – Statewide with Majority of Work in Districts 04 & 05 (0.00% Complete)	N/A
	Survey		No Active Task Orders At This Time	
	Survey	440027917 (L&A, Inc. 24S015.00)	IDIQ Contract for Professional Boundary Surveying Services – Statewide with Majority of Work in District 08 & 58 (0.00% Complete)	N/A
	Survey		No Active Task Orders At This Time	N/A
	Survey	4400027687 (L&A, Inc. 24E052.00)	IDIQ Contract for Professional Hydrographic Surveying Services – Statewide with Majority of Work in Districts 04, 05, 08 & 58 (0.00% Complete)	N/A
	Survey		No Active Task Orders At This Time	N/A
Marrero, Couvillon & Associates, L.L.C.	Other (Electrical)	H.015052	I-20 Widening Overlay	$ 342,658

20. CERTIFICATIONS/LICENSES:

SEE ATTACHED

Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 10, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 10, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 11, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

21. QA/QC PLAN:

N/A

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**
Ardaman & Associates, Inc.	316 Highlandia Drive Baton Rouge, LA 70810	Robert Jewell RJewell@ardaman.com	225.666.4598
Lazenby & Associates, Inc.	2000 N. Seventh Street West Momoe, LA 71291	Paul D. Fryer, PE, PLS pfryer@lazenbyengr.com	318.387.2710
Marrero, Couvillon & Associates, L.L.C.	2644 S. Sherwood Forest. Blvd. Ste. 200 Baton Rouge, LA 70816	Brian Miller, PE bmiller@mca-llc.com	225.408.8249

23. LOCATION:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.