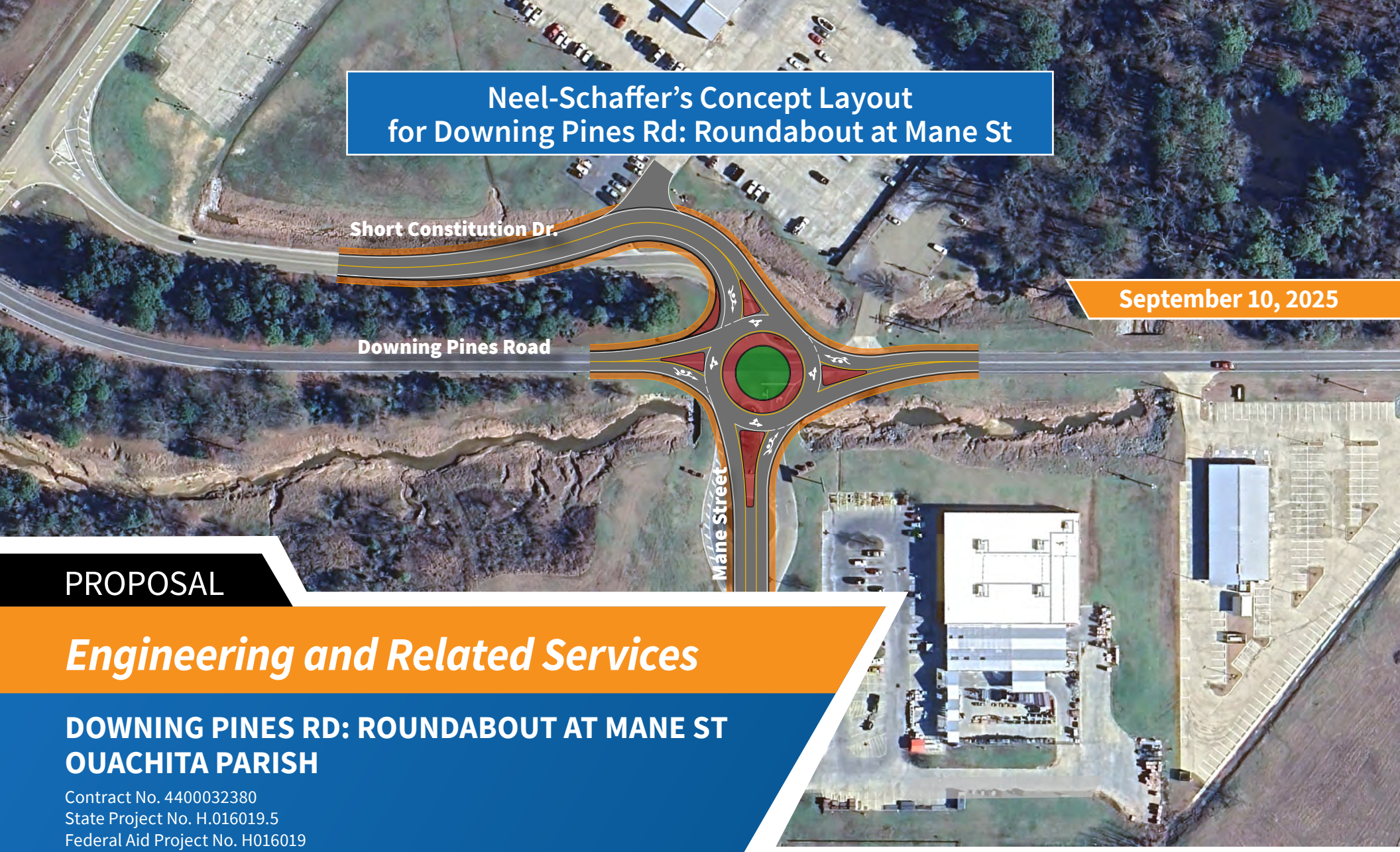


September 10, 2025

PROPOSAL

Engineering and Related Services

DOWNING PINES RD: ROUNDABOUT AT MANE ST
OUACHITA PARISH

Contract No. 4400032380
State Project No. H.016019.5
Federal Aid Project No. H016019

Project Manager
Dishili Young, PE, PTOE
dishili.young@neel-schaffer.com
225.614.2816

NEEL-SCHAFFER

Neel-Schaffer has worked on ***over 175 roundabouts*** in Louisiana in conformance with DOTD requirements.

Sections ***1-11***

Contract No. 4400032380

DOWNING PINES RD: ROUNDABOUT AT MANE ST
OUACHITA PARISH

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised August 11, 2025)

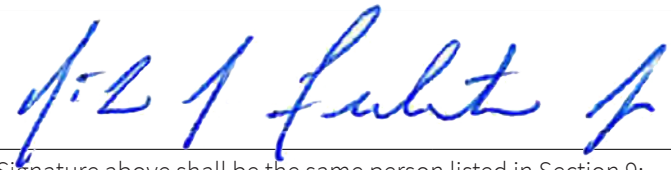
Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

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

1. **Contract Name** as shown in the advertisement	**DOWNING PINES RD: ROUNDABOUT AT MANE ST** Ouachita Parish
2. **Contract Number(s)** as shown in the advertisement	**4400032380**
3. **State Project Number(s)**, if shown in the advertisement	**H.016019.5**
4. **Prime consultant name** (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	**Neel-Schaffer, Inc.**
5. **Prime consultant license number** (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is re-quired under Louisiana law)	**EF.0001372**
6. **Prime consultant mailing address**	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
7. **Prime consultant physical address** (existing or to be established, if location is used as an evaluation criteria)	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
8. **Name, title, phone number, and email address of prime consultant's contract point of contact**	**Dishili Young, PE, PTOE** *Vice President / Engineer Manager* dishili.young@neel-schaffer.com 225.614.2816
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.

Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.



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

Date: **September 10, 2025**

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
APS Engineering and Testing	**4%**

Neel-Schaffer has evaluated the intersection for possible improvements and determination of constraints by completing the following:

1. obtained past studies and crash data
2. visited the project site
3. obtained and reviewed construction plans
4. obtained FEMA flood maps
5. considered existing constraints
6. completed concept layout

Sections 12-15

Contract No. 4400032380

DOWNING PINES RD: ROUNDABOUT AT MANE ST
OUACHITA PARISH

This sheet shows the FEMA Flood map which we pulled to confirm a no-rise will not be required. This is just one of many documents we have obtained and reviewed to understand the project and its potential challenges.

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

The only disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). Remove rows as needed.

12. DISCIPLINE TABLE:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Neel-Schaffer, Inc.	Crescent Engineering & Mapping, LLC	APS Engineering and Testing	Lazenby & Associates, Inc.	Each Discipline must total to 100%
Road	70.00%	94.00%	6.00%	0.00%	0.00%	100%
Traffic	6.00%	100.00%	0.00%	0.00%	0.00%	100%
Bridge	8.00%	0.00%	100.00%	0.00%	0.00%	100%
Geotech	4.00%	0.00%	0.00%	100.00%	0.00%	100%
Survey	12.00%	0.00%	0.00%	0.00%	100.00%	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%	72.00%	12.00%	4.00%	12.00%	

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

13. TEAM SIZE:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Neel-Schaffer, Inc.	Principal	1	2
	Supervisor – Eng	2	2
	Engineer	7	25
	Engineer Intern	0	7
	Senior Technician	1	2
Crescent Engineering & Mapping, LLC	Supervisor - Eng	1	2
	Engineer	1	4
	Engineer Intern	0	1
	Senior Technician	0	2
	Surveyor	0	1
	Party Chief	0	2
	Instrument Man	0	1
	Administrative	0	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)
LAZENBY & ASSOCIATES, INC. Lazenby & Associates, Inc.	CADD Drafter	0	4
	CADD Operator	0	1
	Clerical	0	3
	Engineer	1	7
	Engineer Intern	0	1
	Instrument Man	1	2
	Party Chief	1	2
	Rodman	1	2
	Supervisor - Eng	1	3
	Surveyor	1	2
	Principal	0	1
APS Engineering and Testing	Engineer	3	3
	Engineer Intern	0	2
	Engineering-Aide	1	4
	Driller	1	16
	Senior Technician	0	8
	Clerical	0	2

14. ORGANIZATIONAL CHART:

Contract No. 4400032380

DOWNING PINES RD: ROUNDABOUT AT MANE ST – OUACHITA PARISH

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LEGEND

- Neel-Schaffer, Inc.
- Crescent Engineering & Mapping, LLC
- APS Engineering and Testing
- Lazenby & Associates, Inc.

(#) MPR Designation ◂ TEPR Certified

PROJECT PRINCIPAL
- Nick Ferlito, Jr., PE, PTOE ◂ 1 2

CLIENT LIAISON
- Kirk Gallien, PE, PTOE ◂

PROJECT MANAGER
- Dishili Young, PE, PTOE ◂ 2 3

QA / QC
- James Ledet, PE, FACEC 4 *Bridge*
- Gary LeBlanc, PE *Road* ◂
- Kirk Gallien, PE, PTOE *Traffic* ◂

Traffic Design
- Ellen Howard, PE, PTOE, RSP1 ◂ 7
- Jonathan Duhe, PE, PTOE, RSP1 ◂ 7
- William Case Fulcher, PE, PTOE, PTP, RSP2B, RSP2I ◂
- Stephen Perault

Surveying
- Paul Fryer, PE, PLS
- Randy Hammons, PE
- James Ellingburg, PE, LSI
- Ronald Riggin, II, PE, PLS 6

Geotechnical Investigation
- Sergio Aviles, PE, M. ASCE 8
- Sairam Eddanapudi, PE, M.E. 8
- Surendra Pathak, PE, M.S. 9
- Amanda Linton 10
- Van George 11

Road Design
- Dishili Young, PE, PTOE ◂ 2 3
- Mai Nguyen, PE 3
- Chance Shuckrow, PE 3
- Scott Andrepont, PE 3
- Dennis Hymel, PE 4
- Abbey F. Falcon, PE

Bridge Design
- Dennis Hymel, PE 4
- Megan Miller, PE 5
- Abbey F. Falcon, PE

Construction Support
- Dishili Young, PE, PTOE ◂ 2 3
- Mai Nguyen, PE 3
- Chance Shuckrow, PE 3
- Scott Andrepont, PE 3

15. MINIMUM PERSONNEL REQUIREMENTS:

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR / certification and number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Nick Ferlito, Jr., PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 - Civil	LA	09/30/2027
2	Nick Ferlito, Jr., PE, PTOE		PE No. 28001 - Civil	LA	09/30/2027
2	Dishili Young, PE, PTOE		PE No. 33723 - Civil	LA	09/30/2026
3	Dishili Young, PE, PTOE		PE No. 33723 - Civil	LA	09/30/2026
3	Mai Nguyen, PE		PE No. 38189 - Civil	LA	03/31/2026
3	Chance Shuckrow, PE		PE No. 42746 - Civil	LA	03/31/2027
3	Scott Andrepont, PE		PE No. 37107 - Civil	LA	09/30/2026
4	Dennis Hymel Jr., PE	Crescent Engineering & Mapping, LLC	PE No. 38172 - Civil	LA	09/30/2025
4	James P. Ledet, PE, F. ACEC		PE No. 22428 - Civil	LA	03/31/2026
5	Megan M. Miller, PE		PE No. 39897 - Civil	LA	09/30/2027
6	Ronald J. Riggin, II, P.E.	Lazenby & Associates, Inc.	PLS 0005119	LA	03/31/2027
7	Ellen Howard, PE, PTOE, RSP1	Neel-Schaffer, Inc.	PE # 38207 Civil	LA	3/31/2026
7	Jonathan Duhe, PE, PTOE, RSP1		PE # 41047 Civil / PTOE # 4418	LA	3/31/2027
8	Sergio Aviles, P.E.	APS Engineering and Testing	PE.0033571-Civil	LA	03/31/2026
8	Sairam (Sai) Eddanapudi, M.E., P.E.		PE.0035129-Civil	LA	03/31/2026
9	Surendra Pathak, M.S., P.E.		PE.0043487-Civil	LA	09/30/2027
10	Amanda Linton		AASHTO APPROVED ASTM EXAMS	LA	12/19/2026
11	Van George		N/A	N/A	N/A

We have assembled a group of professionals with proven experience completing each of the tasks included in the scope of work for DOTD. We invite you to review their resumes.

PAST EXPERIENCE	NSI TEAM MEMBERS									
	Nick Ferlito, Jr., PE, PTOE	Dishili Young, PE, PTOE	Mai Nguyen, PE	Ellen Burke Howard, PE, PTOE, RSP$_1$	Chance Shuckrow, PE	Jonathan Duhe, PE, PTOE, RSP$_1$	Scott Andrepont, PE	James Ledet, PE, FACEC	Dennis Hymel, PE	Jacob Thiaville, EI
DOTD ROUNDABOUT PROJECT EXPERIENCE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DOTD ROUNDABOUT PROJECT EXP IN MONROE/ RUSTON AREA	✓	✓	✓	✓	✓	✓	✓			✓
DOTD TRAFFIC DESIGN EXPERIENCE	✓			✓		✓				
DOTD PRELIMINARY & FINAL PLAN PRODUCTION	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DOTD CONSTRUCTION PROPOSAL SERVICES	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DOTD CONSTRUCTION SUPPORT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Section 16

Contract No. 4400032380

DOWNING PINES RD: ROUNDABOUT AT MANE ST
OUACHITA PARISH

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.

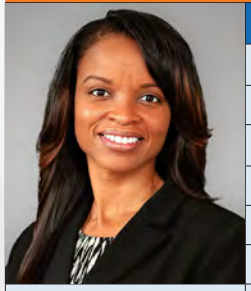
Name	**Nick Ferlito, Jr., PE, PTOE**	Years of relevant experience with this employer	29
Title	Senior Vice President / Louisiana Area Manager	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	BS / 1993 / Civil Engineering; MS / 1996 / Civil Engineering		
Active registration number / state / expiration date	PE No. 28001 / LA / 09-30-2027; PTOE No. 930		
Year registered: 1998	Discipline: Civil		
Contract role(s) / brief description of responsibilities	Principal, **MPRs 1 & 2**		

✓ **Worked on 90 Roundabouts in conformance with DOTD requirements**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of **roundabouts**, turn lanes and drainage improvements. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; Traffic Services. This project includes the design for a **roundabout** with high-speed approaches. The design avoids impacts to a gas station and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; Traffic Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane **roundabout** to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) (SPN. H.009425.5)**; Traffic Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue. **4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** Pavement preservation project will include 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. The scope of work includes pavement patching, 4" mill and overlay, roadway reinforcing mesh, curb ramps at existing driveways and turnouts, guardrail and embankment at the overpass. **5.) H.015640 LA 150 & LA 818: Roundabout;** Project will convert the existing intersection to a single lane **roundabout** intersection.
04/23 – Present	**Lagneaux Turn Lane Improvements:** Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.
04/23 – Present	**Rue Du Belier Roundabout:** Project will convert existing single roundabout to double lane **roundabout** with drainage improvements and lighting. Assisted with design.
04/23 – Present	**S. Domingue Roundabout:** Project will provide **roundabout** and drainage improvements. Assisted with design.
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 and construction support.
02/15 – 12/17	**US 51 (W University to I-55) Corridor Study (Contract No. 4400004064, T.O. No. H.011401.1)**: Includes analysis of **eight roundabout** intersections. Traffic Engineer assisted with Corridor Operational Analyses.

01/15 – 06/15	**LA 3002, 16 & 1034 Corridor Study Phase 2 (Contract No. 4400004064, T.O. No. H.011645.1)**: Traffic Engineer responsible for data collection and traffic signal analysis.
01/14 – 12/16	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1)**: Traffic Engineer responsible for data collection, corridor traffic operational analysis (Synchro and Sidra), calibrated Vissim modeling, Stage 0 Traffic Report. Includes **six multilane roundabouts**.
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 LADOTD'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**: Project Manager 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. Includes **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 NSI in 1996 and currently serves as Senior Vice President and Louisiana Area Manager, overseeing statewide operations. With over 30 years of experience in traffic and transportation engineering, he has led numerous projects involving signal timing, signal design, safety studies, and corridor analysis for both public and private clients. He is proficient in traffic engineering software such as HCS, CORSIM, SYNCHRO, Tru-Traffic (TS/PP-Draft), and SIDRA. His training includes the Naztec TS1/TS2 Controller course, NEPA and Transportation Decision Making (2004), Highway Safety Manual Workshop (2011), and LADOTD's TEPR training. He has also served as the project manager and lead traffic engineering for the following IDIQ contracts with LADOTD: IDIQ for Roadway Design; IDIQ Contract 44-01583 for Safety Studies Statewide; IDIQ Contract 44-04402 for Safety Studies Statewide; IDIQ Contract 44-10504 for Safety Studies Statewide; IDIQ Contract 44-08851 for Traffic Signal Engineering; IDIQ Contract 44-04712 for Traffic Engineering; IDIQ Contract 44-04064 for Traffic Engineering; IDIQ Contract 44-01777 Signal Timing Studies; and IDIQ Contract 44-04712 Traffic Signal Engineering.

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.

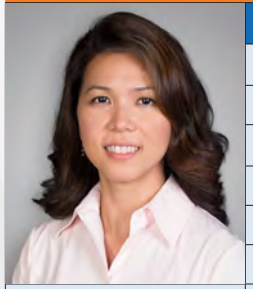
Name	**Dishili Young, PE, PTOE**	Years of experience with this firm/employer	8
Title	Vice President / Engineering Manager	Years of experience with other firm(s)/employer(s)	14
Degree(s) / Years / Specialization	BS / 2002 / Civil Engineering; MS / 2018 / Civil Engineering		
Active registration number / state / expiration date	PE No. 33723 / LA / 09-30-2026		
Year registered: 2008	Discipline: Civil		
Contract role(s) / brief description of responsibilities	Project Manager, **MPRs 2 & 3**		

✓ **Worked on 80 Roundabouts in conformance with DOTD requirements**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of **roundabouts**, turn lanes and drainage improvements. Dishili serves as the project manager. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; Project Manager and Design Services. This project includes the design for a **roundabout** with high-speed approaches. The design avoids impacts to a gas station and other developments at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; Project Manager and Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5**; Project Manager and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue. **4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. **5.) H.015640 LA 150 & LA 818: ROUNDABOUT;** Project will convert the existing intersection to a single lane **roundabout** intersection.
04/23 – Present	**Lagneaux Turn lane Improvements, Lafayette, LA:** Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.
04/23 – Present	**Jimmie Davis Design-Build:** This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. She assisted with design-related tasks. Managed the roadway drainage design, and managed the scour analysis, attends team technical meetings and meetings with DOTD. Provided QA/QC. She also assisted with the proposal preparation, attended one-on-one meetings, and assisted with the technical writing for the proposal.
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 and construction support.
12/22 – Present	**LA 89 at Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. **Includes roundabouts**. Preliminary and Final Road Design.

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 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 College Rd. As a subconsultant, 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**.
08/17 – 03/19	**Juban Road Widening, Livingston Parish, LA**: Served as the engineer of record and managed the completion of the roadway and drainage design services for this project which widened LA 1026 (Juban Rd.), construct three multilane **roundabouts** and two new frontage access roadways, with storm drainage sewer systems. Project includes construction support.
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. Dishili is managing the roadway design services. Includes multiple multilane roundabouts. Project includes construction support.
02/10 – 12/11	**I-10 Widening Design-Build Siegen Ln. (LA Hwy 3246) to Highland Rd. (LA Hwy 74) for LADOTD**: 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, Dishili completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor. Project includes construction support.
06/13 – 09/20	**Stage 0 Feasibility Studies, Modern Roundabouts, SPN:** H04490, Lafayette Metropolitan Area (Retainer) Engineering in support of Stage 0 Scope and Budget Checklist for **24 separate roundabouts**. This project focuses on the improvement of traffic flow and safety at each intersection & interchange. Dishili assisted with QA/QC review of the roadway design.
08/17 – 03/20	**LA 73 Turn Lanes, Ascension Parish, LA**: 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. Project includes construction support.
01/14 – 12/16	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1)**: Served as Project Manager and Road Design Lead responsible for data collection, corridor traffic operational analysis (Synchro and Sidra), calibrated Vissim modeling, Stage 0 Traffic Report. Includes **six multilane roundabouts**.
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.
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; and LADOTD'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	10
Title	Roadway Design Engineer	Years of relevant experience with other employer(s)	7

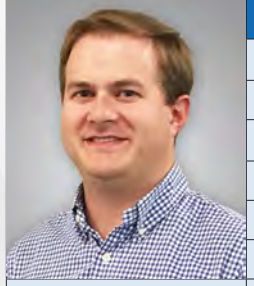
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering
Active registration number / state / expiration date			PE No. 38189 / LA / 03–31–2026
Year registered	2013	Discipline	Civil
Contract role(s) / brief description of responsibilities			Road Design, **MPR 3**

- ✓ **Worked on over 90 Roundabouts in conformance with DOTD requirements**
- ✓ **Attended TRB 2025 International Roundabout Conference**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of **roundabouts**, turn lanes and drainage improvements. Mai serves as the road design lead. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; Road Design Lead. This project includes the design for a **roundabout** with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; Road Design Lead. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5**; Road Design Lead. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000' east of Duncan Avenue. **4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. **5.) H.015640 LA 150 & LA 818: ROUNDABOUT;** Project will convert existing intersection to single lane **roundabout** intersection.
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 and construction support.
06/23 – Present	**US 90: Roundabout at LA 101: Roundabout** intersection preliminary and final plans, drainage, sequence of construction and TMP.
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. Project includes construction support.

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 at LA 447, Livingston, LA**: Responsible for developing **roundabout** preliminary roadway plans in accordance with LADOTD design guidelines, creating horizontal and vertical alignment layouts, modeling roadway to determine required right-of-way limits, developing sequence of construction, and performing hydraulic analysis.
04/18 – Present	**I-49 South at Verot School Road**: This project will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/ US 90 and Verot School Road. 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 at LA 934, Ascension Parish, LA**: Responsible for developing roadway plans in accordance with LADOTD design guidelines, performing subsurface 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 – 09/20	**Stage 0 Feasibility Studies, Modern Roundabouts, SPN:** H04490, Lafayette Metropolitan Area (Retainer) Engineering in support of Stage 0 Scope and Budget Checklist for **24 separate roundabouts**. This project focuses on the improvement of traffic flow and safety at each intersection & interchange. Mr. Mai assisted with the review of the roadway design and cost estimates.
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 reports, environmental assessment study, roadway concept layouts for traffic studies, develop high level cost estimates for multiple District Safety Investment Plans. She is Certified as a Work Zone Traffic Control Supervisor, Technician and Flagger.

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.

Name	**William Chance Shuckrow, PE**	Years of relevant experience with this employer	12
Title	Project Engineer	Years of relevant experience with other employer(s)	0

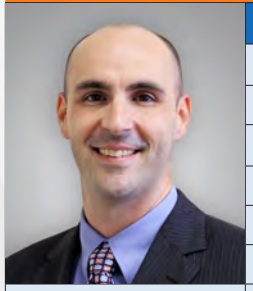
Degree(s) / Years / Specialization	BS / 2014 / Civil Engineering
Active registration number / state / expiration date	PE No. 0042746 / LA / 03-31-2027
Year registered 2018 Discipline	Civil
Contract role(s) / brief description of responsibilities	Road Design and Drainage Design, **MPR 3**

✓ **Worked on 40 Roundabouts in conformance with DOTD requirements**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of **roundabouts**, turn lanes and drainage improvements. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a **roundabout** with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a **multilane roundabout** to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue. **4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. **5.) H.015640 LA 150 & LA 818: ROUNDABOUT;** Project will convert the existing intersection to a single lane **roundabout** intersection.
11/19 – Present	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** The task orders under this project are as follows: 1.) Local Road Signing (Vermilion) (SPN. H.013014); 2.) Independence SRTS – Phase II (SPN. H.010108.1); 3.)LRSP (Iberia Parish and City of N.I.) (SPN. H.013770); 4.) LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1); 5.) W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621); 6.) LRSP Signs, Striping and X-Overs (Gonzales) (SPN. H.013621.1); 7). Downtown Greenway LA Connector (BR) (SPN. H.013751); 8.) LSU Laboratory School SRTS Project (SPR. H.009290); 9.) Local Road Signing (Ascension) (SPN. H.015011); 10.) FYA Signal Improvements (SPN H.014579); and 11.) LSRP Ardenwood Dr. Road Diet (East Baton Rouge) (SPN H.013622). Project includes construction support.
09/20 – Present	**H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA:** This project considers multiple alternatives along a 5.5 mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more. Mr. Shuckrow is providing roadway support and help with the cost estimate.
04/23 – Present	**Jimmie Davis Design-Build:** This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. Project includes construction support.

12/22 – Present	**LA 89 at Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. Includes **roundabouts**. Included tasks similar to a line and grade, preliminary and final design included.
08/22 – 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. 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. Includes roundabout. Design services. Preliminary plans completed. Final design ongoing. Project includes construction support.
09/20 – Present	**H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA**: This project considers multiple alternatives along a 5.5 mile portion of LA 10. Improvements include **roundabouts**, additional capacity, access management, couplets and more. Mr. Shuckrow will provide roadway support and help with the cost estimate.
08/20 – 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.
04/18 – 04/20	**S.P. No. H.013023: Rees St. (LA 328) Stage 0 Corridor Study (Design Study), St. Martin Parish, LA**: This project focuses on the overall improvement of safety along the corridor. He reviewed the proposed road alignment, **several roundabout** intersections, roadway widening with sidewalks and bike path and cost estimates the corridor in Breaux Bridge, LA.
11/15 – Present	**Southcity Parkway Extension, Phase 1, Robley Drive to Kaliste Saloom Road, Lafayette Parish**: EA and Final Design. Final Design of 2-mile four lane median divided roadway with **three multilane roundabout** intersections and a major bridge crossing the Vermilion River. Completed the vertical and horizontal alignments, modeled the project with Bentley software and completed the drainage design. Mr. Shuckrow serves as the engineer of record for this project assisting with the roadway design, Stage 0 feasibility study and EA. This project includes bike lanes and sidewalks/paths.
03/15 – Present	**St. Martinville Bypass (LA31) EA and Line and Grade Study in St. Martinville, LA (SPNH.004924.5)**: Includes **five roundabout** geometry intersections at connections with state routes. Assisted in geometric design of roadway alternatives and in the development of horizontal and vertical profiles.
06/13 – 09/20	**Stage 0 Feasibility Studies, Modern Roundabouts, SPN:** H04490, Lafayette Metropolitan Area (Retainer) Engineering in support of Stage 0 Scope and Budget Checklist for **24 separate roundabouts**. This project focuses on the improvement of traffic flow and safety at each intersection & interchange. Mr. Shuckrow assisted with the review of the roadway design and cost estimates.
11/14 – 04/17	**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 **four roundabouts**. Mr. Shuckrow assisted with the drainage design and provided roadway design support. Project includes construction support.
08/14 – 05/19	**Juban Road (LA1026) Widening (SPNH.004634.5), Livingston Parish, LA**: Final design for reconstruction of Juban Rd as a four-lane median divided roadway with **multilane roundabouts** intersections. Completed vertical and horizontal alignments and modeled the project with Bentley software, assisted with the drainage design and preparation of plans. This project includes paths and bike lanes.
09/15 – Present	**Ham Reid Road at Lake Street Intersection Improvements, Calcasieu Parish, LA**: Project includes the final design of a **multilane roundabout**. Completed the roundabout design, drainage design, and developed plans.
06/18 – 03/20	**Move Ascension Project No. MA-18-03: LA 73 Turn Lanes at Brown Road/ LA 73 Turn Lanes at Oakland Drive**: Served as designer on project, working mainly on drainage design for 2 separate turn lane projects. Work included delineating existing drainage and design of new structures. Project includes construction support.
11/16 – 08/19	**LA 385 Stage 0 Feasibility Study, Calcasieu Parish, LA**: This project focuses on safety improvements along the LA 385 corridor between LA 3186 south of I-10 to Eddy Street north of I-10. Mr. Shuckrow provided engineering design support.
Career History	Mr. Shuckrow joined Neel-Schaffer in 2014 and has 10 years of experience in the design of roadways, freeways, signalized and roundabout geometry intersections. Based in the firm's Baton Rouge office, Chance has worked in the design of drainage, horizontal and vertical profiles, and corridors. He has also worked in cost estimating of projects and in the preparation of roadway design plans.

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.

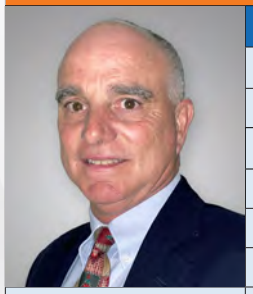
Name	**Scott Andrepont, PE**	Years of relevant experience with this employer	16
Title	Project Engineer	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization	BS / 2005 / Civil Engineering; MS / 2007 / Civil Engineering		
Active registration number / state / expiration date	PE No. 37107 / LA / 09-30-2026		
Year registered: 2012	Discipline: Civil		
Contract role(s) / brief description of responsibilities	Concept Plans & Road Design, **MPR 3**		

✓ **Worked on over 70 roundabouts in conformance with DOTD requirements**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of **roundabouts**, turn lanes and drainage improvements. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a **roundabout** with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane **roundabout** to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue. **4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. **5.) H.015640 LA 150 & LA 818: ROUNDABOUT;** Project will convert existing intersection to single lane **roundabout** intersection.
04/23 – Present	**Lagneaux Turn Lane Improvements:** Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.
04/23 – Present	**Rue Du Belier Roundabout:** Project will convert existing single roundabout to **double lane roundabout** with drainage improvements and lighting. Assisted with design. Project includes construction support.
04/23 – Present	**S. Domingue Roundabout:** Project will provide **roundabout** and drainage improvements. Assisted with design. Project includes construction support.
03/19 – 04/20	**LA 328 (Reese Street) Stage 0:** Mr. Andrepont created the geometry for this project which would improve LA 328 from Latiolais Drive to E. Bridge St. Signalized and roundabout intersections were considered. Mr. Andrepont completed the design criteria, typical sections, and geometry in accordance with the requirements of DOTD. He also assisted with public outreach activities. Includes 3 roundabouts.
08/17 – 03/20	**LA 73 Turn Lanes**: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines. Project includes construction support.

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. This project includes curb and gutter with sidewalks, as well as 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. Includes roundabout. Design services. Preliminary plans completed. Final design ongoing. Project includes construction support.
12/22 – Present	**LA 89 at Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. **Includes roundabouts**. Included tasks similar to a line and grade, preliminary and final design included.
08/22 – 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. Project includes preliminary and finals plans.
01/11 – 01/14	**LA 447 Corridor Study, Walker, LA (LA 16 to US 190)**: A corridor study to evaluate corridor improvements along LA 447 between LA 16 and burgess Ave. Project included the interchange at I-12. Includes multilane roundabouts.
11/19 – Present	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62)**: This project will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design and construction related engineering. Mr. Andrepont is assisting with the roadway and drainage plan production and design.
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 and traffic services.
01/20 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA**: NSI is completing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and **four multilane roundabouts**. This project includes a level 2 TMP. Project includes construction support.
04/18 – Present	**I-49 South at Verot School Road**: This project will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/ US 90 and Verot School Road. 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 roundabouts.
08/12 – 03/19	**Juban Road Widening**: NSI managed the completion of the roadway and drainage design services for this project, which will widen LA 1026 (Juban Rd.), construct three roundabouts and two new frontage access roadways, with storm drainage sewer systems. Project includes construction support.
06/13 – Present	**Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA**: Road alignment, roundabout layout, and design, preparing cost estimates. Project Engineer. Includes **23 roundabouts**.
03/15 – Present	**Mandeville Bypass, St. Tammany Parish LA**: Assisted in geometric layout of roadway and development of alternatives. Includes roundabout geometry intersections with LA 1088 and US 190. Road Design Assistance. Includes **four roundabouts**. Project includes construction support.
04/20 – Present	**US 90 and FM 481 Improvement, Kinney County, TX**: QA/QC of Striping, Singing, and High Friction Surface course plans.
07/13 – 09/13	**LA 1088 Traffic Corridor Study for LADOTD in St. Tammany Parish, LA**: Assisted in the geometric layout for 3 Alternatives for the improvements of LA 1088. Each alternative included roundabouts at determined intersection with J-turns as well as complete streets with combinations of bike paths/multiuse paths / sidewalks along the corridor. Design Assistance. Includes roundabouts.
Career History	Mr. Andrepont is a design engineer and has been assigned to a variety of projects which include safety projects, roadway design, drainage design, foundation design and other civil engineering projects. His duties include design and analysis, preparation of construction plans, and specifications. He also has experience providing engineering design support during construction. He is also an ATSSA – Work Zone TCS/TCT/Flagger.

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.

Name	**Ronald Kirk Gallien, PE, PTOE**	Years of experience with this firm/employer	6
Title	Senior Project Manager	Years of experience with other firm(s)/employer(s)	36

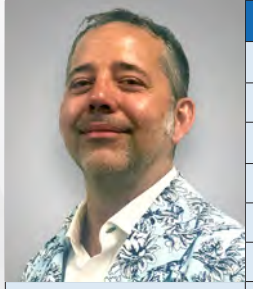
Degree(s) / Years / Specialization			BS / 1984 / Civil Engineering
Active registration number / state / expiration date			PE No. 23428 / LA / 09-30-2025; PTOE No. 1288
Year registered	1989	Discipline	Civil
Contract role(s) / brief description of responsibilities			Client Liaison, Traffic QA/QC

✓ **Worked on countless projects within West Monroe area while serving as District 05 Traffic Operations Engineer and District 05 Assistant District Administrator.**

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).
1994 – 2007	**DOTD District 05 – District Traffic Operations Engineer** • Computerized Traffic Signal System in District 05 (State Project No's. 015-31-0043 & 016-01-0034) - Provided technical assistance to the consultant during design of the project and to construction personnel during installation of field equipment. After completion of the project, utilized the computerized traffic signal system to manage traffic operations on US 165 through the City of Monroe. • I-20 Elevation Section Rehabilitation Ouachita Parish (State Project No's. 451-06-0121 & 451-06-0139) - Provided technical assistance during design and construction of the project regarding interstate lane closures and traffic control.
2007 – 2014 2018 – 2020	**DOTD District 05 – Assistant District Administrator of Operations** • LA 3249 (Well Road) over I-20 Bridge Rehabilitation (State Project No. 451-06-0148) – Provided technical assistance regarding traffic control during design and construction of the project including full closures of the interstate during construction. • Flashing Yellow Arrow and Traffic Signal Upgrades (State Project No. H.012630) – Provided technical assistance during design of the project and to the contractor and DOTD construction personnel during construction of the project regarding traffic signal operations. • Arkansas Road Widening and Roundabouts (State Project No. H.002622) – Provided technical assistance during design and to the contractor and DOTD construction personnel regarding traffic signal operations and signing and pavement markings at the newly constructed roundabouts. • LA 3249 Roundabout at I-20/Well Road (State Project No. H.010287) – Provided technical assistance during design of the project.
2020 – Present	**DOTD District 05 – Senior Project Manager** • District 05 Safety Investment Plan (State Project No. H.014295) – Assist in the preparation of the District 05 Safety Investment Plan which identified locations that have a high potential for safety improvements and includes safety analyses and preliminary engineering studies for the identified locations. • Kansas Lane – Garrett Road Connector (State Project No. H.007300) – Assist in the preparation of a Traffic Management Plan and design of temporary traffic signals to be used during construction of roundabouts and the bridge over I-20. • Prepared a traffic study for the Ouachita Parish Police Jury for a proposed I-20 interchange at Vancil Road for submittal to DOTD requesting approval to move forward with an in-depth traffic study and Interchange Justification Request. • Prepared a traffic study for the Ouachita Parish School Board which identified mitigation and infrastructure improvements necessary to accommodate the increase in traffic due to the new Sterlington Elementary School on US 165 and LA 134. • Prepared a traffic study for the City of West Monroe which identified mitigation and infrastructure improvements necessary to accommodate the increase in traffic associated with the Highland Park development on LA 143 (North 7th Street) and Arkansas Road. • Prepared a temporary traffic control plan for the City of West Monroe to accommodate traffic on Kiroli Road due to damage to the bridge near the entrance to Kiroli Park.

2020 – Present	**DOTD District 05 (continued) – Senior Project Manager** • Assist the City of West Monroe in preparation of a Safe Streets for All (SS4A) grant application for funding to improve roadway and non-motorized road user safety in the City of West Monroe. • Based on the results of the District 05 Safety Investment Plan, prepared applications on behalf of the City of Monroe to secure funding through the Local Road Safety Program to implement projects that improve roadway safety at numerous locations throughout the City of Monroe. • Prepared a traffic study evaluating existing operations on North 5th Street and North 6th Street for the City of Monroe and recommended traffic calming alternatives to reduce speeds and enhance safety for non-motorized road users. • Evaluated schools for the City of Monroe and recommended signing and pavement marking modifications and enhancements to improve safety at all schools located within the City of Monroe. • Performed traffic studies for the City of Monroe that evaluated the need for crosswalks and recommended improvements on Calypso Street at Monroe City Court, Loop Road at First Methodist Church, Riverside Drive and Forsythe Avenue at Biedenharn Museum and Gardens, and Louisville Avenue (US 80) at Monroe Transit bus stops. • Performed traffic studies for the City of Monroe that evaluated traffic operations and safety and the need for the installation of a traffic signal at the intersections of Forsythe Avenue and Bienville Street, LA 594 (Texas Avenue) at South 8th Street, South 8th Street and Orange Street, and US 80 at Chatham Street and recommended appropriate mitigation. • Performed traffic studies for the City of Monroe that evaluated traffic operations and safety at the signalized intersections of Forsythe Avenue and North 18th Street/Marie Place, Forsythe Avenue at Oliver Road, North 19th Street at Tower Drive, US 165 at Century Boulevard, US 165 at Finks Hide-A-Way Road, US 165 at LA 553, and US 165 and Renwick Street and recommended appropriate mitigation.
02/20 – Present	**I-20 at LA 544 Overpass Replacement, Lincoln Parish, LA**: This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and **roundabouts**. This project includes **four multilane roundabouts** located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes new bridge with sidewalk over I-20. The entire project limits are complete street compliant which means it provides facilities for all users. Mr. Gallien provided TMP review.
08/20 – Present	**I-10 & I-12 College Drive Flyover Ramp Design-Build, Baton Rouge, LA**: Project Engineer for Interchange Modification Report, Transportation Management Plan and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with DOTD's TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) for evaluating various MOT strategies. The project also includes signal design.
6/22 – Present	**Jimmie Davis Bridge (LA 511) (HBI) Design Build**: This project will replace the existing five-lane roadway with a four-lane median divided roadway with turn lanes. It will provide a new bridge crossing for LA 511 at the Red River and will also modify the existing bridge crossing for use as a linear park and provide a multiuse path. NSI is providing the traffic analysis, signal design, striping and signing plans, road design support and Bridge H&H and Scour for the river crossing. Traffic and TMP support.
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



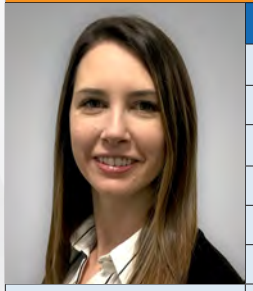
Firm employed by Neel-Schaffer, Inc.					
Name	**Gary LeBlanc, PE**			Years of relevant experience with this employer	3
Title	Project Engineer			Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization			BS / 1994 / Civil Engineering		
Active registration number / state / expiration date			PE No. 28220 / LA / 09-30-2027		
Year registered	1999	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road QA/QC		

✓ **He literally helped write the book on Roundabout Design while serving on the Committee for Chapter 6.9 Roundabout Design of the LADOTD Road Design Manual. This section governs the Geometric Design of roundabouts.**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of **roundabouts**, turn lanes and drainage improvements. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; QA/QC for roadway design and geometrics. This project includes the design for a **roundabout** with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; QA/QC for roadway design and geometrics. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a **multilane roundabout** to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; QA/QC for roadway design and geometrics. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue. **4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. **5.) H.015640 LA 150 & LA 818: Roundabout;** project will convert existing intersection to single lane **roundabout** intersection.
04/23 – Present	**Lagneaux Turn Lane Improvements, Lafayette, LA:** Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.
04/23 – Present	**Rue Du Belier Roundabout:** Project will convert existing single roundabout to **double lane roundabout** with drainage improvements and lighting. Assisted with design.
04/23 – Present	**S. Domingue Roundabout:** Project will provide **roundabout** and drainage improvements. Assisted with design.
07/23 – Present	**US 90 Roundabout at LA 101**: Providing QA/QC for improvements to the safety of the intersection by upgrading a two-way stop intersection into a single lane **roundabout**. The roundabout is being designed using LADOTD and FHWA guidelines. This is a single lane roundabout that will comfortably accommodate WB-67 since this intersection is a detour route for I-10. This project includes pavement signing and striping, drainage improvements, access management, construction sequencing, and cost estimates for bidding.

10/22 – 10/23	**East-West Connector (Winfield Road Congestion Relief)**: NSI Performed a Traffic Study and Line and Grade for a new east-west corridor through Bossier Parish. Gary completed the Traffic Study for the project and all intersection analyses for the four major intersections. Includes **multilane roundabouts**.
2/23 - 12/23	**Winfield Road Extension:** Project will provide new four-mile connector roadway between LA 1 at Belleview. NSI will provide road design services. Gary will provide QA/QC.
12/23 – Present	**LA 384 Feasibility Study**: QA/QC Capacity analysis and supporting documents
02/24 - Present	**I-69 SUI 13, 12 and 11, Road Design Services for ARDOT**: 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. Mr. LeBlanc is providing QA/QC for the roadway design. This corridor will be constructed in phases to allow it to advance as funding is available. Neel-Schaffer will produce this design as separate design packages.
07/22 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA**: NSI is completing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond **roundabout** interchange. The new bridge over I-20 will include sidewalks and **four multilane roundabouts**. This project includes a level 2 TMP. Project includes line and grade tasks (establish design criteria, develop typical sections, horizontal geometry, vertical geometry).
04/22 – Present	**I-49 South at Verot School Road**: Provided QA/QC for this project to construct 2.4 miles of mainline freeway and 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. NSI is serving as the subconsultant for this project and designing the mainline and frontage roadways and associated a drainage. Project includes preliminary and final plans as well as signals.
07/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a **roundabout** and required drainage improvements. Completed the horizontal and vertical alignments (Preliminary and final design).
07/22 – Present	**E. Milton Ave. Roundabout Widening and Corridor Improvements, Youngsville, LA**: QA/QC this project includes a line and grade, preliminary and final plans for a 1.1-mile project at the intersection of Chemin Metairie Road and E. Milton Avenue. This project includes adding a two-way left turn lane to existing 2-lane and convert a single roundabout to **multilane roundabout**. The corridor includes subsurface drainage, restricted crossing U-turn, and raised median to prevent left turn movements.
Career History	Mr. LeBlanc joined Neel-Schaffer in 2022 as a serve as a Transportation Project Manager based in the Baton Rouge office. He has almost 30 years of experience, with 28 of those years at LADOTD, where his most recent role was a Design Development Engineer Manager. He was on the committee for Chapter 6.9 Roundabout Design of the LADOTD Road Design Manual which governs the Geometric Design of roundabouts. He is the Engineer of record for LADOTD Standard Plan PM-09 Roundabout Striping Layout. He has also twice completed the Roundabout Design Workshop conducted by NE Roundabouts, and the National Highway Institute Course Modern Roundabout: Intersections Designed for Safety. Mr. LeBlanc has completed several Geometric Reviews and layouts while employed at LADOTD including but not limited to LA 36 at LA 59 (Abita), US 190 at Eden Church Road, US 51 at I-12 and LA 327 River Road at LA 327.

16. STAFF EXPERIENCE

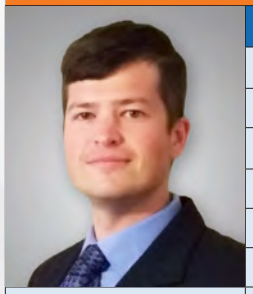


Firm employed by Neel-Schaffer, Inc.					
Name	**Ellen Howard, PE, PTOE, RSP$_1$**			Years of experience with this firm/employer	12
Title	Project Manager			Years of experience with other firm(s)/employer(s)	5
Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering		
Active registration number / state / expiration date			PE No. 38207 / LA / 03-31-2026		
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Traffic Design, **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).
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of **roundabouts**, turn lanes and drainage improvements. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; Traffic Services. This project includes the design for a **roundabout** with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; Traffic Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a **multilane roundabout** to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5**; Traffic Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue. **4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. **5.) H.015640 LA 150 & LA 818: Roundabout;** Project will convert existing intersection to single lane roundabout intersection.
06/22 – Present	**District 03 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes at 119 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements.
04/20 – 07/21	**District 05 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements. There were initially 81 locations with 53 additional locations added as a supplement.
02/19 – 03/20	**District 07 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes at 63 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements.
12/17 – 03/19	**District 08 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes at 68 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements.
01/14 – 05/15	**Safety Study, LA 49 (Williams Blvd.,) Kenner, LA – Stage 0 / Safety Study (S.P. No. 4400001583, T.O. No. H.010570)**: Traffic Engineer responsible for data collection, intersection operational signal analyses (Synchro), and Vissim modeling.

07/21 – Present	**US 190 Access Management Stage 0 and Traffic Study**: Traffic Engineer responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis, final traffic report.
07/21 – Present	**US 190 Access Management Stage 0 and Traffic Study**: Traffic Engineer responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis, final traffic report
03/21 – Present	**MOVEBR N. Sherwood Forest Extension (C-P Proj. No. 20-CP-HC-0014)**: Traffic Engineer responsible for initial and final data collection, existing safety analysis, existing and no build HCS analysis, alternatives HCS analysis, and final traffic report
09/20 – Present	**MOVEBR College Drive Enhancements (C-P Proj. No. 19-EN-HC-0033)**: Traffic Engineer responsible for calibrated Vissim model, existing and no build traffic analysis and alternatives analysis.
09/21 – 07/22	**MOVEBR Harding Boulevard at Interstate I-110 (C-P Proj. No. 20-CP-HC-0016)**: Traffic Engineer responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis, Tier 1 alternative analysis, and final traffic report.
08/20 – 10/21	**I-10 & I-12 College Dr. Flyover Ramp Design-Build Project (S.P. H.013897.1)**: Traffic Engineer responsible for calibrated Vissim model and traffic analysis, and Interchange Modification Report.
12/19 – 03/20	**US 80: Intersection at Bellevue Rd (S.P. No. 4400010504, T.O. No. H.014044.1)**: Traffic Engineer responsible for Initial and final data Collection, existing safety analysis, and Chapter 1 of Final Report and signalized intersection analysis.
02/15 – 12/17	**US 51 (W University to I-55) Corridor Study (Contract No. 4400004064, T.O. No. H.011401.1)**: Includes analysis of **eight roundabout** intersections. Traffic Engineer assisted with Corridor Operational Analyses
01/15 – 06/15	**LA 3002, 16 & 1034 Corridor Study Phase 2 (Contract No. 4400004064, T.O. No. H.011645.1)**: Traffic Engineer responsible for data collection and traffic signal analysis.
01/14 – 12/16	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1)**: Traffic Engineer responsible for data collection, corridor traffic operational analysis (Synchro and Sidra), calibrated Vissim modeling, Stage 0 Traffic Report.
01/14 – 03/16	**LA 73 Corridor Study (LA 74 to LA 621) Stage 0 Feasibility Study (Contract No. 4400003362, T.O. No. H.011160.1)**: Traffic Engineer responsible for data collection, warrant analysis, corridor operational analyses (Synchro and Sidra), Stage 0 traffic report preparation.
01/14 – 06/14	**Stage 0 Study, considering the extension of Edenborne Parkway to South St. Landry Road (approximately 1 mile) for Ascension Parish**: Traffic Engineer responsible for intersection operational analyses (Sidra).
Career History	Mrs. Howard joined Neel-Schaffer, Inc. in January 2014. Before joining Neel-Schaffer, Mrs. Howard worked as a Traffic Engineer for LADOTD District 62. She also worked as a Traffic Engineer Intern for DOTD's Traffic Engineering Management Section in Headquarters. She worked on a variety of projects involving Traffic Engineering Studies, Signal Timing and Coordination, Corridor Studies, traffic modeling using VISSIM and Transportation Management Studies. During her employment at LADOTD, she also reviewed numerous Corridor Studies, Intersection Studies, Safety Studies, Traffic Impact Studies, and Temporary Traffic Control Plans. She is proficient in Traffic Engineering software such as HCS, Synchro, SIDRA, SimTraffic, VISSIM as well as LADOTD's CAT Scan safety tool. She also attended Highway Safety Manual (HSM) workshop, Highway Capacity Analysis Seminar, Roundabout Design Workshop, Traffic Signal Workshop, Synchro Training, Vissim Training, Access Management Location and Design Course, Alternative Intersections / Interchanges Workshop, and Crash Reconstruction for Traffic Engineers Course. With Neel-Schaffer, Mrs. Howard has served as a project engineer for the noted traffic related LADOTD projects. Mrs. Howard is a certified Professional Traffic Operations Engineer (PTOE), a certified Road Safety Professional Level 1, and has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.

16. STAFF EXPERIENCE

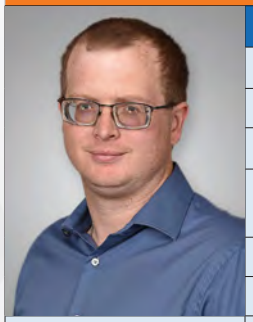


Firm employed by Neel-Schaffer, Inc.					
Name	**Jonathan Duhe, PE, PTOE, RSP1**			Years of experience with this firm/employer	12
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	1
Degree(s) / Years / Specialization			BS / 2011 / Civil Engineering		
Active registration number / state / expiration date			PE No. 41047 / LA / 03-31-27; PTOE No. 4418; RSP No. 282		
Year registered	2016	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Traffic Design, **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).
03/23 - Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of **roundabouts**, turn lanes and drainage improvements. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; Traffic Services. This project includes the design for a **roundabout** with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; Traffic Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a **multilane roundabout** to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5**; Traffic Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue. **4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. **5.) H.015640 LA 150 & LA 818: Roundabout;** Project will convert existing intersection to single lane roundabout intersection.
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a **roundabout** and required drainage improvements. Includes **roundabout**. Completed the horizontal and vertical alignments (line and grade). Preliminary and final plans.
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. Duhe provided signal design review. Preliminary and final plans.
08/22 – Present	**LRSP Ardenwood Dr Road Diet, Baton Rouge, LA**: Project Engineer, Responsible for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (HCS, Sidra), Safety Analyses, Traffic Report Preparation
07/21 – Present	**FYA Signal Improvement (LCG), Lafayette, LA**: Project Engineer. Oversaw development of signal plans to upgrade 28 intersections to include flashing yellow arrow signal heads as well as backplates.

09/21 – Present	**Harding Blvd at I-110, Baton Rouge, LA**: Traffic Engineer. Performing a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I-110 Ramps in an effort to improve capacity. Assisted with data collection and Initial Data Collection Report.
09/20 – Present	**College Drive Enhancement Project, Baton Rouge, LA**: Traffic Engineer. Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.
06/20 – Present	**I-10/12 College Drive Flyover Design Build, Baton Rouge, LA**: Traffic Engineer. Performing a traffic study at the I-10/12 merge in an effort to improve capacity and safety. Assisted with uncalibrated VISSIM model. Assisted with safety analysis and signal design.
04/20 – 06/21	**District 05 Safety Investment Plan District 05, LA**: Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LADOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
11/17 – 04/19	**District 08 Safety Investment Plan District 08, LA**: Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LADOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
02/19 – 03/20	**District 07 Safety Investment Plan District 07, LA**: Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LADOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
11/16 – 04/19	**LA 385 (Ryan St) Feasibility Study, Lake Charles, LA**: Traffic Engineer. Assisted with intersection analysis including Vistro analysis. Assisted with safety analysis including reviewing crashes, creating collision diagrams, identifying conflict points, and using LADOTD's CATScan tool to analyze safety. Also assisted with report preparation.
02/16 – 10/17	**LA 6 Feasibility Study, Natchitoches, LA**: Traffic Engineer. Assisted with intersection analysis including Sychro and Sidra analysis. Assisted with safety analysis including reviewing crashes, creating collision diagrams, and using the HSM Predictive method to analyze safety of potential alternatives. Also assisted with report preparation.
03/20 – 06/20	**Braud Rd at Germany Rd Temp. Signal Design, Gonzales, LA**: Project Engineer developed signal layout and timing parameters for temporary signal. Signal design included developing Clearance Calculations, utilizing Synchro for signal timing, designing in MicroStation software, developing Intersection Quantities, and creating a Traffic Signal Inventory)
03/19 – 11/19	**District 08 Signal Timing Study, Natchitoches, LA**: Project Engineer Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs
03/19 – 11/19	**US 61 Signal Timing Study, Baton Rouge, LA**: Project Engineer Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs
12/19 – Present	**US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA**: Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR. Project includes signalized intersections. Oversaw Intersection Operational Analyses (HCS), safety analysis, alternative development, and traffic report preparation.
Career History	Jonathan joined Neel-Schaffer in 2013 and has nearly a decade of experience working on a wide range of traffic and transportation projects. He has worked on many intersection/corridor signal timing studies and signal design projects and other traffic engineering related projects for both public and private projects. He is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Jonathan has completed training and has experience using LADOTD's CAT Scan safety tool. He is a certified Professional Traffic Operations Engineer (PTOE), a Road Safety Professional (RSP1) and has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.

16. STAFF EXPERIENCE

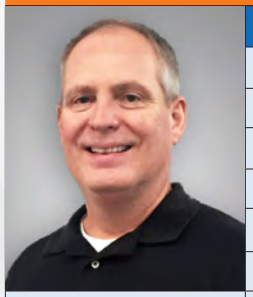


Firm employed by Neel–Schaffer, Inc.					
Name	**William Case Fulcher, PE, PTOE, PTP, RSP_{2B}, RSP_{2I}**			Years of experience with this firm/employer	9
Title	Senior Traffic Engineer			Years of experience with other firm(s)/employer(s)	2
Degree(s) / Years / Specialization	BS / 2012 / Civil Engineering; MS / 2015 / Civil Engineering				
Active registration number / state / expiration date	PE No. 45329 / LA / 09–30–2027; PTOE No. 5158 / 11–20–27; PTP No. 786 / 11–20–27; RSP2B No 33 / 07–18–26; RSP2I No 147 / 3–20–26				
Year registered	2021	Discipline	Civil		
Contract role(s) / brief description of responsibilities	Traffic Engineering Studies, Road Safety Assessments, and Safety Effectiveness Evaluations				

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/20 – Present	**I–10 / I–12 College Drive Flyover Design-Build, Baton Rouge, LA:** Traffic Engineer, Safety Analyst. Provided the safety analysis for the interchange modification report (IMR) and traffic management plan for the proposed changes to the merger between I–12 and I–10 in Baton Rouge.
06/22 – 10/24	**District 03 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes at 119 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
02/19 – 03/20	**Retainer Contract for Safety Studies, District 07 Safety Investment Plan, 4400010504, Task Order No. H.013826.1.** Engineer Intern: Analyzed and compared safety countermeasures and analyzed crash history to determine potential improvements. Developed a priority list for future safety projects.
05/20 – 06/21	**Retainer Contract for Safety Studies, District 05 Safety Investment Plan, Ouachita Parish, LA (S.P. No. 44–10504, T.O. No. H.014295.1):** Project Manager, Traffic Engineer, Safety Analyst. Performed area wide safety screening to identify areas with high potential for safety improvements. Identified potential safety improvements to 76 locations including segments and intersections within LADOTD District 07. Prepared a ranked priority list of projects. Coordinated and led project meetings.
02/18 – 02/19	**Retainer Contract for Safety Studies, District 08 Safety Investment Plan, 4400010504, Task Order No. H.013264.1.** Engineer Intern, Safety Analyst. Identified potential safety improvements to seventy–two locations including both segments and intersections within LADOTD District 08. Developed an Excel based tool to perform benefit/cost comparisons of safety countermeasures. Prepared a ranked priority list of projects.
12/19 – 12/20	**US 80: Intersection at Bellevue Rd Stage 0/Feasibility Study (S.P. No. H.014044.1),** Engineer Intern: Performed traffic data collection, safety analysis, and traffic operational analysis.
01/17 – 04/19	**LA 385 Ryan Street Feasibility Study, Lake Charles, LA (S.P. No. 44–4402, T.O. No. H.012685.1),** Engineer Intern. Performed data collection, traffic engineering, and transportation planning services for a feasibility study to determine safety and operational improvements for approximately 1.8 miles of LA 365 in Lake Charles, LA. Services included traffic volume forecasts, intersection and segment analysis, alternative development, and identifying potential safety countermeasures.
02/17 – 02/18	**US 190 & US 171 Signal Timing Study (S.P. No. 44–4064, T.O. No. H.012686.5)** Engineer Intern: Provided traffic engineering services including both the development and implementation of traffic signal timing plans for ten signals in DeRidder, LA.
02/20 – 10/21	**I–59 at US 49 PEL Study, Forrest County, MS:** Traffic Engineer, Safety Analyst. Provided the safety analysis for both existing and future expected conditions. Assisted with traffic engineering services.
04/19 – 12/19	**District 07 Traffic Signal Timing Upgrade, Lake Charles, LA (S.P. No. 44–8851, T.O. No. H.012467.5):** Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at five intersections along LA 14.
03/19 – 11/19	**District 61 Traffic Signal Timing Upgrade, Baton Rouge, LA (S.P. No. 44–8851, T.O. No. H.011186.5):** Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at six intersections along US 61 / LA 408.

01/20 – 09/21	**Mississippi State University Master Plan Update, Mississippi State, MS:** Transportation Planner. Services included identifying improvements to existing circulation, identifying new beneficial connections, determining areas of parking need, identifying potential new parking locations.
02/21 – 09/21	**Transportation Plan for Starkville, Mississippi State University, and Oktibbeha County, Oktibbeha County, MS (S.P. No. SPR– 1(111) /17838 –110000, T.O. No. NS–P/E 2019–01):** Traffic Engineer, Transportation Planner. Provided a regional transportation plan to provide guidance to all governmental entities for a coordinated effort to improve traffic in the area. Services included, traffic volume forecasts, intersection and segment analysis, and alternative development.
03/19 – 011/19	**District 08 Traffic Signal Timing Upgrade, Natchitoches, LA (S.P. No. 44–8851, T.O. No. H.011960.5):** Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at four intersections along LA 1 / LA 6.
9/21 – 04/22	**Retainer Contract for Safety Studies, District 61 Safety Study, LA (S.P. No. 44–10504, T.O. No. H.014684.1):** Safety Analyst. Performed area wide safety screening and crash analysis to identify areas with high potential for safety improvements. Identified potential safety improvements to 9 intersections within LADOTD District 61.
06/21 – Present	**District 6 Emergency Signal and ITS Repair, Hancock and Harrison Counties, MS:** Traffic Engineer. Performed signal inventories and prepared signal design sheets and quantity takeoffs.
09/20 – Present	**College Drive Enhancements ("MovEBR"):** Safety Analyst. Performed crash analysis along College Drive in the vicinity of I–10 to determine potential safety issues and develop safety improvement recommendations where feasible.
10/21 – Present	**Harding Boulevard at Interstate I–110 ("MovEBR"): Safety Analyst.** Performed crash analysis along Harding Boulevard in the vicinity of I–110 to determine potential safety issues and develop safety improvement recommendations where feasible.
01/17 – 05/17	**US 80 Traffic Control Signal Upgrade, Shreveport, LA (S.P. No. 4400004712, T.O. No. H.011733.5):** Engineer Intern. Prepared signal design sheets and signal timings for the upgrade of 20 signals along US 80.
12/17 – 06/18	**LA 1 / LA 3089 Signal Timing and Synchronization, Donaldsonville, LA ("MOVE ASCENSION"):** Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at six intersections along LA 1 / LA 3089 including updated signal design sheets.
Career History	Mr. Fulcher joined Neel–Schaffer, Inc. in 2017 after working as a graduate research/teaching assistant for the Mississippi State University Department of Civil and Environmental Engineering. Since joining NSI, he has provided a variety of traffic data collection and safety analysis studies and services. Mr. Fulcher has extensive experience in corridor and intersection safety studies. Through the evaluation of crash history, roadway geometrics, and traffic volumes, he evaluates a variety of safety improvements to provide a ranked list of safety improvements. He also has significant experience in traffic forecasting, modeling, and analysis using CORSIM, HCS, Vistro, Synchro, ISATe, IHSDM, and TruTraffic for corridor and intersection studies for both public and private clients. His experience includes traffic signal design, traffic signal coordination, traffic signal timing, traffic impact analyses, transportation planning, and transportation safety planning. Mr. Fulcher also holds a Road Safety Professional 2 Infrastructure (No. 147) and Behavioral (No. 33).

16. STAFF EXPERIENCE

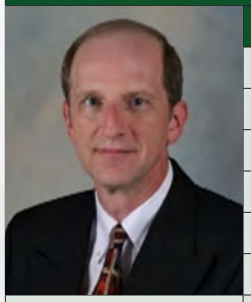


Firm employed by Neel–Schaffer, Inc.					
Name	**Stephen Perault**			Years of relevant experience with this employer	8
Title	Senior Technician			Years of relevant experience with other employer(s)	43
Degree(s) / Years / Specialization			N/A		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Stage 0 Feasibility Study and Design of Low–Cost Safety Improvements		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. Stephen serves as the lead designer. **1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226)**; This project includes the design for a **roundabout** with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366)**; This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a **multilane roundabout** to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5**; Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000' east of Duncan Avenue. **4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. **5.) H.015640 LA 150 & LA 818: Roundabout;** Project will convert existing intersection to single lane **roundabout** intersection.
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. Dishili is managing the roadway design services. Includes multiple multilane roundabouts. Project includes construction support.
08/17 – 03/19	**Juban Road Widening, Livingston Parish, LA**: Served as the engineer of record and managed the completion of the roadway and drainage design services for this project which widened LA 1026 (Juban Rd.), construct three multilane **roundabouts** and two new frontage access roadways, with storm drainage sewer systems. Project includes construction support.
06/18 – Present	**I-49 South at Verot School Road, Lafayette, LA S.P. H.011235.5:** This project will construct 2.4 miles of mainline freeway, an interchange at the intersection of I–49 South/US 90 and Verot School Road, and a **roundabout**. Neel–Schaffer is serving as the subconsultant for this project and designing the mainline and frontage roadways and associated drainage. Neel–Schaffer is also completing the traffic design and TMP. Mr. Perault is assisting in the design and plan production for this project which includes the BNSF railroad crossing overpass at Verot School Road.
12/22 – Present	**LA 89 at Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. **Includes roundabouts**. Preliminary and Final Road 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.
11/19 – Present	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** This project will provide low–cost safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Mr. Perault has assisted with the roadway plan production and design for these projects. The task orders under this project are as follows: **Local Road Signing (Vermilion) (SPN. H.013014);** The project includes ball–bank study, striping and signing to improve the safety along roadway segments and curves. **Independence SRTS – Phase II (SPN. H.010108.1);** The project includes approximately 4,100 feet of sidewalks, storm sewer drainage system, handicap curb ramps, and signage along LA 40, N. Oak St. and Pine St. **LRSP (Iberia Parish and City of N.I.) (SPN. H.013770);** Project includes signage and striping for safety improvements along 30 Miles of roadway. **LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1);** This project will provide safety improvements which include a road diet, new crosswalks, sidewalks, signage, and new pavement markings. The project limits are along Avenue B (LA 60), Plaza Street and Red Cross Plaza. **W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621);** This project will provide safety improvements which include 2,000 feet of sidewalks, pavement markings, signage, and storm sewer drainage along W. 11th Avenue between S. Tyler (LA 21) to S. Jefferson Avenue. **LRSP Signs, Striping and X–Overs (Gonzales) (SPN. H.013621.1);** This project will provide safety improvements (median modifications, pavement markings, signage) along S. Irma Boulevard and S. Purpera Avenue. **Downtown Greenway LA Connector (BR) (SPN. H.013751);** The project will provide sidewalks and shared lanes on Louisiana Ave. and Eddie Robinson Sr. Dr. The project scope includes adding sidewalks, replacing driveway pavement, installing plastic pavement striping, and ADA–compliant curb ramps. **LSU Laboratory School SRTS Project (SPR. H.009290);** This project includes shared use paths along Dalrymple Dr., sidewalks along Fraternity Dr., curb extensions, signage, striping and ADA–compliant handicapped ramps. **Local Road Signing (Ascension) (SPN. H.015011);** Project includes raised median installation, signage, and striping for safety improvements along 32 parish and local roadways in Ascension Parish.
01/19 – 12/19	**LA 73 (Old Jefferson Highway) Turn Lanes, Ascension Parish, LA:** This project constructed turn lanes at multiple locations along LA 73 in Ascension Parish. Mr. Perault is assisted with the design and plan production for this project. The design was completed in accordance with LADOTD guidelines.
02/20 – Present	**Route I–20, I–20: LA 544 Overpass Replacement, Lincoln Parish, LA:** Mr. Perault is assisting in the design and plan production for this project. This project begins North of the LA 544 and Woodward Avenue intersection and ends South of LA 544 and Gains Avenue intersection. It will replace the LA 544 Overpass diamond interchange with a **double roundabout** interchange. The project includes a new bridge over I–20 with sidewalks and **four multilane roundabouts**.
Career History	Mr. Perault has almost 40 years' experience in roadway design which includes the design of interchanges, new urban and rural roadways, widening for existing corridors, intersection improvements, as well as **over 25 roundabout** projects. He has completed work for State, Parishes and industry. His project experience at LADOTD includes: **US 190: Roundabout at Eden Church RD. S.P. H.000466:** Project included a 3–legged **roundabout** at the intersection of US 190 and Eden Church Rd. Responsible for the design and development of preliminary and final roadway plans, and prepared the construction cost estimate. **LA 637: Port of S. Louisiana Connector S.P. H.008322:** Responsible for the design and development of preliminary and final roadway plans for the widening of LA 637 from 2 to 3 lanes and prepared the construction cost estimate. **Existing 3–Lane to Contraband Bayou Bridge S.P. H.003969:** Designer of the preliminary and final roadway plans that involved the widening on LA 1138–2 from 2 to 3 lanes and a 3–legged Roundabout at the intersection of Holly Hill Road and LA 1138–2 and assisted with the construction cost estimate. **LA 16 Widening, Denham Springs – Watson S.P. 262–02–0023:** Designed the roadway for the widening of LA 16 from 2 to 4 lanes. Responsible for the development of preliminary and final roadway plans and prepared construction cost estimate.

16. STAFF EXPERIENCE



Firm employed by Crescent Engineering & Mapping, LLC					
Name	**James P. Ledet, PE, F. ACEC**			Years of relevant experience with this employer	1.5
Title	Quality Control Engineer			Years of relevant experience with other employer(s)	44
Degree(s) / Years / Specialization			BS / 1982 / Civil Engineering		
Active registration number / state / expiration date			PE No. 22428 / LA / 03-31-2024		
Year registered	1986	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Roadway and Bridge Design Quality Control Manager **MPR 4**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/24 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish):** Quality Control Engineer. Responsible for QC reviews of roadway design elements including H&V alignments, roundabout and j-turn geometrics and drainage design for the widening of an existing roadway from 2-lane to 4-lane with a divided median and two multi-lane roundabouts.
05/15 – 08/17 *(previous employer)*	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)**: Senior Supervising Engineer. Supervision and oversight of topographic survey and roadway design services including QC of hydraulic analysis, r-cut and j-turn geometrics, construction phasing and supervision of plan production for the new 5.5-mile, four-lane RA-3 road from LA 435 to Bush, LA.
10/09 – 11/17 *(previous employer)*	**07-EXT-22, Bayou Gardens Blvd. Extension (LA 660 to LA 316), Terrebonne Parish, LA (Terrebonne Parish)**: Supervising Engineer. Responsible for the oversight of the topographic survey, roadway design and bridge design for a new 1.6-mile, 2-lane, urban arterial roadway extension in Houma, LA. Also responsible for review of all major road design elements including horizontal and vertical alignments, roadway and intersection geometrics, major cross drain and storm drain design, graphical grades, joint layouts, superelevation calculation and project quantities. Oversaw plan production and provided bidding and construction support for the project.
07/22 – Ongoing	**S.P. H.015333, H.015404, H.015407 – Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish, LA (LADOTD)**: Quality Control Engineer. Responsible for QC reviews of roadway and bridge design including bridge TS&L, bridge hydraulics and scour analysis, roadway and bridge H&V geometry, reviewed roadway and bridge plans and bridge details, review calculations for the replacement of 4 bridge sites Parish- wide in Tangipahoa with reinforced concrete slab spans and reinforced concrete box culverts.
12/22 – 05/24 *(previous employer)*	**S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (LADOTD)**: Quality Control Engineer. Responsible for QC reviews of roadway and bridge design including bridge TS&L, bridge hydraulics and scour analysis, roadway and bridge H&V geometry, reviewed roadway and bridge plans and bridge details, review calculations for the 3-span curved replacement structure. Accelerated design schedule.
11/99 – 01/01 *(previous employer)*	**S.P. 742-07-0019, Bayou Gardens Blvd. Widening: LA 659 to Alma St., Terrebonne Parish, LA (LADOTD)**: Engineer of Record/Project Manager. Responsible for topographic surveying, roadway design including geometrics and intersection improvements and subsurface drainage design for the one-mile UA-2 widening project.
02/05 – 05/08 *(previous employer)*	**S.P. 246-01-0054, Route LA 57: Grand Caillou Road, Terrebonne Parish, LA (LADOTD)**: Engineer of Record. Responsible for all roadway design aspects including and subsurface drainage design; construction support and topographic survey for two-mile long UA-2, five-lane widening project.
1994 – 1997 *(previous employer)*	**S.P. 413-01-0011, Hollywood Rd./LA 311 Intersection Improvements/Bridge Replacement, Terrebonne Parish, LA (LADOTD)**: Engineer of Record/ Project Manager. Responsible for design of roadway, hydraulics, utility relocations drainage improvements, intersection geometry, permanent striping and signing, construction phasing, bulkheads and bridge design services for intersection improvement and Off-System bridge replacement project.

11/13 – 11/18 *(previous employer)*	**S.P. H.010557, Lajaunie Road/Lateral 1 Bridge over Bayou St. Clair, Lafayette Parish, LA (LADOTD):** Senior Professional/QA/QC. Supervision of topographic surveying and engineering design including roadway and bridge design for preliminary plans of the 80' RC Slab and quad- beam, superelevated, curved Off-System bridge structure including roadway upgrades to RL-3 criteria.
04/23 – Ongoing	**Bridges Near Amite, Tangipahoa Parish, LA (Tangipahoa Parish)**: Quality Control Engineer. Responsible for QC reviews of hydraulics and bridge design including bridge TS&L of alternatives including RC slabs and RCB's, bridge hydraulics and scour analysis, bridge H&V geometry, review calculations and plan production/details, urban drainage design, for the replacement of five (5) bridge structures within Amite City, LA.
12/22 – Ongoing	**S.P. H.014992, McHugh Road over Brushy Bayou, East Baton Rouge Parish, LA (LADOTD)**: Quality Control Engineer. Responsible for QC reviews of roadway and bridge design including bridge TS&L, bridge hydraulics and scour analysis, roadway and bridge H&V geometry, reviewed urban roadway and bridge plans and bridge details, review calculations for the replacement structure using special 25' spans, special bents and cantilevered sidewalks for the replacement of the existing vehicular and pedestrian bridges near Baker, LA.
11/10 – 06/14 *(previous employer)*	**S.P. 713-29-0103, Tiger Drive Bridge over Bayou Lafourche, Lafourche Parish, LA (LADOTD):** Engineer of Record. Responsible for topographic surveying, roadway design including approaches, utility relocations, bulkheads and drainage, and bridge design including special RC slabs, curved spans, special bents and rail elements, oversight of construction support and shop drawing review for the 183' long Urban bridge replacement.
1997 - 2011 *(previous employer)*	**S.P. 713-55-0100, St. Ann Bridge Replacement, Terrebonne Parish, LA (LADOTD)**: Engineer of Record. Responsible for topographic surveying and all roadway design aspects, bridge design and approaches for the Off-System moveable bridge replacement with a single- leaf, bascule span bridge.
1994 – 1995 *(previous employer)*	**S.P. 742-05-0042, Combon Bridge and Approaches, Terrebonne Parish, LA (LADOTD):** Project Manager. Responsible for EIS document and design supervision of the Off-System 100 Ft. vertical lift span across Grand Caillou including roadway approaches and shop drawing reviews during construction.
1985 – 1991 *(previous employer)*	**S.P. 700-26-100, Off-System Bridge Replacement Program, Lafourche Parish, LA (LADOTD):** Engineer of Record/ Project Manager. Responsible for engineering design services for the replacement of four (4) Off-System bridges and associated roadway approaches: S.P. 713-46-98, Parish Road 16 (Choctaw Road) over St. James Canal; S.P. 713-53-93, Parish Road 18 (60 Arpent Road) over Bayou Boudreaux;
1984 – 1986 *(previous employer)*	**S.P. 855-14-08 & 65-90-23, LA 3087** – Bridge over Bayou Terrebonne at East Street, Terrebonne Parish, LA (LADOTD) – Project Manager. Responsible for the roadway and bridge design services to retrofit the existing Prospect Street bridge to be relocated to construct a vertical lift bridge at East Street, and associated intersection improvements at LA 24 and LA 659.

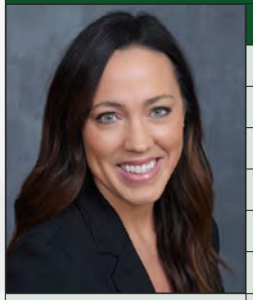
16. STAFF EXPERIENCE

Firm employed by Crescent Engineering & Mapping, LLC					
Name	**Dennis M. Hymel, Jr., PE**			Years of relevant experience with this employer	3
Title	Supervising Engineer/Manager			Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering		
Active registration number / state / expiration date			38172/LA/09-30-2025		
Year registered	2013	Discipline	P.E./Civil Engineering		
Contract role(s) / brief description of responsibilities			Roadway and Bridge Design Supervisor. Dennis' experience fulfills **MPR 4**.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 – 08/21 *(previous employer)*	**S.P. H.001344, US 190: LA 437 to US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD)**: Supervising/QC Engineer. Performed QC/QA duties of urban roadway design elements including horizontal and vertical geometry, intersection design, concrete curb, graphical grading, striping/signing, construction phasing, roadway barrier and footing details, and oversight of roadway plan production for a one mile, 5-lane urban roadway reconstruction. Also responsible for bridge design report, urban bridge design, and QC of bridge plan development and LRFR for a horizontally curved, superelevated, 1,400-footlong bridge over the Bouge Falaya River using LG 36 and LG 54 prestressed concrete girders, rectangular column bents, low water pier foundations. Coordinated utility conflicts and relocations, and the geotechnical engineering design of bridge footings and embankment settlement.
04/22 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)**: Project Manager/EOR. Responsible for overall project management and oversight and supervision of all project elements including topographic surveys, traffic analysis and report, roadway widening design, roundabout geometrics, pavement design, drainage design and H&V geometrics. The project involves widening the existing 2-lane roadway to a 4-lane divided median roadway and includes two multi-lane roundabouts, an R-Cut intersection and multiple J-Turn intersections for over 4 miles of arterial widening. Also responsible for the oversight of geotechnical and environmental subconsultants.
09/16 – 08/21 *(previous employer)*	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)**: Project Manager/Engineer of Record. Responsible for all roadway design including H&V alignments, interchange geometrics, drainage, preparation of a Level 4 TMP and construction phasing plans along the mainline and interstate ramps. Designed single slope TL-4 median barriers on concrete footings, special median barrier transitions for lighting, overhead signs and ITS/DMS, prepared ERDD document and EOR for all permanent interstate signing; Bridge Design Engineer and QC for the widening of Pontchatolawa Creek (25' skewed RC Slabs) and Tammany Trace bridges (AASHTO Type III prestressed girders with varying skewed, bobtail spans), LRFR for all structures. Responsible for coordination of geotechnical design and performed Construction Support Services. Design completed under an accelerated project schedule.
04/16 – 08/21 *(previous employer)*	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (LADOTD)**: Project Manager/Supervising Engineer. Responsible for the oversight of topographic survey, subsurface utility engineering, roadway and bridge design services for the safety widening of LA 20 near Vacherie, LA. Supervised all plan production activities and major roadway and bridge design elements including H&V geometrics, striping/signing, drainage design, roadway/bridge construction phasing, bridge superstructure and substructure elements, LRFR analysis and rating. Also responsible for the oversight of the geotechnical design of pavement and settlement analysis as well as concrete pile design, cost estimation, and subconsultant coordination.
03/14 – 08/21 *(previous employer)*	**EN22-0181, Rousseau Rd. Bridge over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)**: Project Manager/Engineer of Record. Performed review of topographic surveys, QC of roadway design, H&V geometrics, hydraulics, EOR for Urban bridge design elements including special span/bents, LRFR of replacement bridge and rehabilitated structure, bridge rehabilitation design using steel framed helper bents, environmental assistance, and subconsultant coordination for the replacement of the existing 4-span vehicular near Covington, LA.

03/14 – 08/21 *(previous employer)*	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD):** Project Manager/Engineer of Record. Performed field and office QC of topographic surveys, lead the design team as EOR and was responsible for all roadway design elements including hydraulics, roadway H&V geometrics, superelevation, intersection design, R-CUT and J-turn intersections, prepared Level 3 Traffic Management Plan, prepared roadway plans, served as bridge design QC engineer for twin 4-span AASHTO Type III girder bridges over Talisheek Creek, oversaw entire plan production for 5.5-mile, greenfield, new corridor including a four-lane rural roadway from LA 435 to Bush, LA.
02/18 – Ongoing	**S.P. H.015688 & MA-23-01, LA 3127 Extension (LA 70 to LA 1), Ascension Parish, LA (Ascension Parish)**: Project Manager/EOR. At previous employer, SUE QL D-A EOR, QC of surveys, responsible for developing Stage 0 report, Line and Grade, roadway design and bridge design (LG-36 girders) for 180' bridge over Bayou Lafourche and curved RC Slab spans over Bayou Napoleon. Currently managing Environmental Assessment and responsible for roadway and bridge design of 8.5 mile, 4-lane, greenfield, new corridor project creating an evacuation route, industrial and heavy vehicle by-pass around Donaldsonville, LA, intersection and interchange with LA 1 over UPRR.
05/22 – Ongoing	**EN22-0181, Rousseau Rd. Bridge over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)**: Project Manager/ QC Engineer. Performed review of topographic surveys, QC of roadway design, H&V geometrics, hydraulics, QC of Urban bridge design elements including special span/ bents, LRFR of replacement bridge and rehabilitated structure, EOR for bridge rehabilitation design using steel framed helper bents. Responsible for environmental assistance and subconsultant coordination for the replacement of the existing 4-span bridge near Covington, LA.
03/22 – Ongoing	**S.P. H.015333, H.015404, H.015407 – Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish, LA (LADOTD)**: Project Manager/EOR. Performed QC review of topographic surveys, EOR for hydraulic analysis, EOR for roadway and urban and rural bridge design elements including H&V geometry, roadside drainage, QA of plan production, LRFR for RCB structures for the replacement of 5 bridge sites Parish- wide in Tangipahoa with RC Slab spans and RCB's.
03/16 – 02/19 (previous employer)	**S.P. H.011670, I-10/Loyola Interchange Improvements, Jefferson Parish, LA (LADOTD):** Project Manager/Lead Engineer. Lead design team for Line and Grade studies and the Environmental Assessment (EA), assisted in preparation of the EA document, critical geometry, interchange modification and alternative screening, lead engineer for the design of a four-level stacked, directional interchange ($150 MM) including roadway and bridge, curved steel plate and prestressed concrete girder bridges, urban roadway sections, major utility conflict assessments, cost estimates, public meetings and quality control for a diverging diamond interchange (DDI) for the new interchange on I10 at Loyola Dr. for the new airport terminal at Louis Armstrong International Airport (MSY).
03/15 – 05/18 *(previous employer)*	**S.P. H.004932, I-49 South @ LA 318 Interchange, St. Mary Parish. LA (LADOTD):** Project Manager & Engineer of Record. Responsible for Design-Build team coordination, Value Engineering Assessment, roadway geometric design including H&V geometry, hydraulic design including SDP, SD and CDP, intersection layout and design, striping/signing, TMP, environmental support including public hearings and oversight of plan production for nearly (3) miles of RC-2 classification frontage roads for new Interchange on I-49 South.
01/12 – 12/17 (previous employer)	**07-EXT-22, Bayou Gardens Blvd. Extension (LA 660 to LA 316), Terrebonne Parish, LA (Terrebonne Parish):** Project Manager/Engineer of Record. Performed QC of topographic surveys, led roadway design including drainage, H&V geometry, superelevation, subsurface storm drainage, TMP, utility locates, utility relocation and coordination. Performed bridge design including curved, superelevated RC Slabs on special skew, LRFR, scour analysis, special pile supported approach slabs, oversight of CE&I and construction support services, LADOTD permitting and traffic approval for the 1.6 mile, 4-lane Urban roadway extension including signals and turn lanes on LA 660 and LA 316.
02/10 – 01/12 (previous employer)	**S.P. 450-10-0159, I-10 Widening (Siegen Lane to Highland Rd.), East Baton Rouge Parish, LA (LADOTD):** Staff Engineer. Prepared roadway design plans including development of H&V geometry, drainage design, DB team coordination, construction support, structural design of cantilevered concrete retaining walls, barriers and footings, barrier mounted light poles & signage, cost estimation for the widening of I-10 in Baton Rouge, LA.

16. STAFF EXPERIENCE



Firm employed by Crescent Engineering & Mapping, LLC

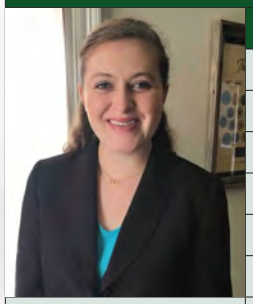
Name	**Megan M. Miller, PE**	Years of relevant experience with this employer	1.5
Title	Bridge Design Project Engineer	Years of relevant experience with other employer(s)	13

Degree(s) / Years / Specialization	Bachelor of Science/2010/Civil Engineering
Active registration number / state / expiration date	39897/LA/09-30-2025
Year registered 2015 Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Bridge Design Lead. Megan's experience fulfills **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).
09/18 – 12/23 *(previous employer)*	**S.P. H.001344, US 190: LA 437 to US 190 (BUS) (Ph. 1), St. Tammany Parish, LA (LADOTD)**: Bridge Engineer of Record. Responsible for bridge design tasks including development of TS&L, typical sections, foundation plan, General Plan/Elevation, superstructure modeling using LEAP CONSPAN, and development of bridge plans for a 1400-foot-long bridge over the Bouge Falaya River in Covington, LA using LG 36 and LG 54 prestressed concrete girders. Performed reviews of contractor bridge submittals and shop drawings.
03/17 – 06/22 *(previous employer)*	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James and Lafourche Parishes, LA (LADOTD):** Lead Bridge Design Engineer. Performed all bridge design tasks for the widening of LA 20 including bridge replacement using split-phase construction methods. Performed superstructure and substructure design using various programs including LEAP CONSPAN, STADD ProV8i, prepared construction phasing details, foundation plans and assisted with bridge plan production.
02/17 – 08/19 *(previous employer)*	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)**: Lead Bridge Design Engineer/Engineer of Record. Performed all bridge design tasks associated with the widening of the I-12 bridges over the Tammany Trace Bike Path utilizing AASHTO Type III Precast, Pre-stressed concrete girders with multiple, varying skewed spans in a vertical curve. Designed girders and deck using various programs including LEAP CONSPAN, STAAD, and BrR (Virtis). Performed substructure design using STAAD ProV8i and LEAP CONSPAN, designed bearing pads, framing and foundation plans. Assisted with bridge plan production including partial demolition and construction phasing plans for the interstate widening project. Also provided construction support in the form of contractor shop drawing reviews.
02/24 – Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)**: Bridge Engineer of Record. Responsible for designing rehabilitation plans for the existing structure which includes structural steel helper bents and existing bridge load ratings. Led the design of a 30' wide by 140' long replacement structure which includes implementation of split phase construction, As-Designed LRFR analysis and reports, span and bent design using STAAD, OpenBridge, AASHTOWARE BrR. Also responsible for overseeing plan production for bridge plans and details, as well as calculating all bridge quantities including concrete and steel.
02/24 – 05/24	**S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (LADOTD)**: Bridge Engineer of Record. Responsible for the bridge design elements of a 4-span, 24' clear width, curved, concrete slab span bridge utilizing STAAD and OpenBridge bridge design software programs. Reviewed bridge superstructure and substructure details and performed As-Designed LRFR utilizing AASHTOWare BrR 7.4 of the bridge replacement in St. Helena Parish as a part of the Off-System Bridge Replacement Program.

02/17 – 04/18 *(previous employer)*	**S.P. H.010557, Lajaunie Road/Lateral 1 Bayou St. Clair, Lafayette Parish, LA (LADOTD)**: Lead Bridge Design Engineer. Performed all bridge design tasks for the replacement of the existing bridge with a 3-span, curved, superelevated Quad Beam structure using various programs for superstructure and sub-structure including LEAP CONSPAN and STAAD ProV8i, prepared foundation details, miscellaneous bridge details, designed bearings, prepared bridge plans and special provisions.
02/17 – 04/18 *(previous employer)*	**S.P. H.010724, Pecan Island Road Bridge over The Chenal, Pointe Coupee Parish, LA (LADOTD):** Bridge Design Project Engineer. Responsible for bridge design of entire structure including CIP or Precast special 25' slab spans and bents founded on Steel Pipe Piles utilizing Bentley STAAD and LEAP CONSPAN, prepared bridge details and oversaw bridge plan production for Final Plans, performed As-Designed LRFR utilizing AASHTOWare BrR 6.8 (Virtis) for the 150' long bridge replacement project in Pointe Coupee parish for the off-system bridge replacement program.
01/24 - Ongoing	**S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (LADOTD):** Bridge Design Project Engineer. Responsible for the bridge design elements of a 4-span, 24' clear width, curved, concrete slab span bridge utilizing STAAD and OpenBridge bridge design software programs. Reviewed bridge superstructure and substructure details and performed As-Designed LRFR utilizing AASHTOWare BrR 7.4 of the bridge replacement in St. Helena Parish as a part of the Off-System Bridge Replacement Program.
01/24 - Ongoing	**S.P. H.014993, Lemon Road over Drainage Bayou, East Baton Rouge Parish, LA (LADOTD)**: Bridge Design Project Engineer. Responsible for the bridge design elements of a 4-span, 28' clear width, concrete slab span bridge with a concrete tapered barrier railing on one corner utilizing STAAD and LEAP CON-SPAN bridge design software programs. Reviewed bridge substructure details and performed As-Designed LRFR utilizing AASHTOWare BrR 7.4 of the bridge replacement in East Baton Rouge Parish as a part of the Off-System Bridge Replacement Program.
2010 – 2014 *(previous employer)*	**Bridge Inspection & Rating IDIQ, Statewide (INDOT):** Project Engineer. Performed all phases of multiple county bridge inspection contracts ranging from $100k to $1MM, including assisting in routine and special feature bridge inspection (including fracture critical), performed modeling and analysis of bridge structures for LRFR using BrR and SACS, prepared field documentation and sketches, inputting field data into INDOT's Bridge Inspection Application System (BIAS). Structure types included timber, reinforced concrete, pre-stressed concrete girders and steel plate girders.
2010 – 2014 *(previous employer)*	**US 31 Bridges, South Bend IN (INDOT)**: Project Engineer. Performed bridge design including modeling and analysis, design computations, quantity cal-culations, cost estimates and developed final plans for the design of the US 31 bridges including AASHTO Precast, Pre-stressed concrete girders, reinforced concrete slab spans, post-tensioned segmental concrete girders and steel plate girders.
2009 – 2010 *(previous employer)*	**Marchand Bridge Rehabilitation & Restoration (Historical), Evansville, IN (INDOT)**: Bridge & Construction Inspector, Design. Performed bridge in-spection, design and construction inspection of the restoration of the historic steel truss bridge built in 1891 for use as part of the Greenway Trails project. Restoration included painting and replacement of steel beams. Bridge has been converted to an overlook on the Ohio River.

16. STAFF EXPERIENCE



Firm employed by Crescent Engineering & Mapping, LLC

Name	**Abbey F. Falcon, PE**	Years of relevant experience with this employer	3
Title	Project Engineer	Years of relevant experience with other employer(s)	5

Degree(s) / Years / Specialization			Bachelor of Science/2017/Civil Engineering
Active registration number / state / expiration date			46035/LA/03-31-2026
Year registered	2021	Discipline	PE/Civil Engineering
Contract role(s) / brief description of responsibilities			Bridge Design and Roadway Quality Control

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 – 04/22 *(previous employer)*	**S.P. H.001344, US 190: LA 437 – US 190 BUS (Ph. 1), St. Tammany Parish, LA (LADOTD)**: Project Engineer. Assisted with all roadway design elements on the 1-mile Urban, roadway widening project including roadway geometrics, graphical grades and drainage design. Prepared quantities, performed Inroads roadway modeling, prepared summary sheets, typical sections, detailing, assisted with the preparation of preliminary and final roadway plans.
07/22 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)**: Project Engineer. Lead design engineer for several project elements such as H&V alignments, drainage design, roundabout and J-turn geometrics, and preliminary inroads modeling. Project involves widening existing roadway to 4-lane divided and includes two multi-lane roundabouts, geotechnical, environmental for over 4 miles of arterial widening and multi-lane roundabouts at LA 20 and LA 3213.
05/17 – 08/21 *(previous employer)*	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)**: Project Engineer. Assisted with all roadway design elements on the 4-mile interstate widening project including geometrics, Level 4 TMP and drainage. Prepared quantities, Inroads roadway modeling, summary sheets, typical sections, detailing, Sequence of Construction sheets, prepared preliminary and final roadway plans. Design was completed under an accelerated project schedule.
06/17 – 06/21 *(previous employer)*	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD):** Project Engineer. Assisted with several roadway design elements for a 5.5 mile, 4-lane corridor project including J-turn and R-cut intersection geometrics, superelevation calculations, inroads modeling and quantity calculations. Also assisted with the hydraulic analysis of all roadside ditches, side drain pipes and major cross drain pipes. Responsible for the development of the existing and design drainage maps.
07/17 – 06/21 *(previous employer)*	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (LADOTD)**: Project Engineer. Assisted with H&V geometrics, roadway drainage design, roadway and bridge plan production, Inroads modeling, quantity calculations for the 2.7 mile rural safety widening project including split phased bridge construction of the RC slab span bridge over unnamed Bayou.
07/20 – 05/22 *(previous employer)*	**Contract No. 4400017598, Rural Bridge Replacement Initiative (Phase 1), LADOTD, Districts 04, 05, 08, and 58 (47 sites):** Engineer of Record. Lead Engineer for the design and plan production of 11 bridge replacements (4 state projects) throughout Central and North Louisiana. Prior to design, conducted project site visits, compiled survey field packs and survey request forms, and reviewed topographic survey deliverables. Responsible for the development of all road and bridge design elements including H&V alignments, bridge hydraulic design, roadway cross sectional elements, guardrail calculations, geometrical layouts, summary sheets and cost estimates. Delineated the drainage basins for several sites, determined the peak discharge at each bridge site utilizing HYDR1130, and ran the hydraulics model through GEO-HECRAS to determine design water surface elevations, velocities, backwater, and flow area. Produced Final Hydraulic Reports and Scour Memorandum for several sites. Reviewed and assisted in the production of Preliminary and Final R/W Maps. Also responsible for the development of all additional project documentation including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions and Design Waivers.

09/18 – 08/20 *(previous employer)*	**MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish Government, Ascension Parish, LA:** Project Engineer. Assisted with several roadway design elements including quantity calculations, striping/signing and construction phasing for a 1.5 mile widening and reconstruction project in Gonzales, LA. Also performed hydraulic analysis and calculations of all roadside ditches, side drain pipes and cross drain pipes. Performed all calculations in LADOTD HYDRWIN Programs including HYDR1120, HYDR1130 and HYDR1140 in order to determine ditch depths, pipe sizes and headwater/tailwater elevations.
06/22 – Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)**: Project Engineer. Led several roadway design elements for an offset alignment, H&V geometrics, drainage and assisted with bridge design elements including special span/bents, bridge TS&L development, environmental assistance, and subconsultant coordination for the replacement of the existing 4-span bridge near Covington, LA.
05/23 – 05/24	**S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (LADOTD)**: Lead Project Engineer/EOR. Responsible for all roadway and bridge design including H&V geometrics, drainage design, hydraulics and scour analysis, foundation layout, curved RC slab spans and approach slabs, guardrail design, GPE, on-site detour design, Inroads modeling, developed bridge TS&L, oversight of road and bridge plan production. Project was completed under an accelerated design schedule.
06/22 – Ongoing	**S.P. No's. H.015333, H.015404 & H.015407: Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish (LADOTD):** Lead Project Engineer/ EOR. Responsible for all roadway design elements and plan production involved with the spot replacement of 4 bridge structures located along Old Genessee Rd. (2 sites), Easley Rd., and Lewiston Rd. located throughout Tangipahoa Parish. Performed QC review of topographic surveys and is responsible for design elements including H&V geometrics, roadside and structure hydraulics, construction phasing, detour plans, inroads modeling, quantity calculations and cost estimates.
04/20 – 04/22 *(previous employer)*	**S.P. H.013953, McManus Road Bridge/Cypress Creek, Richland Parish, LA (LADOTD)**: Lead Project Engineer/EOR. Responsible for all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, drainage design, prepared bridge TS&L, prepared roadway and bridge plans, design report forms, design criteria for the eight (8) span Off-System bridge replacement.
08/21 – 05/22 *(previous employer)*	**S.P. No. H.014407: LA 621 at Roddy Road Roundabout, Gonzales, LA (LADOTD):** Lead Project Engineer. Leads engineer for the design of a single lane roundabout at the intersection of Roddy Road and LA 621 in Ascension Parish, LA. Prepared roundabout and intersection widening conceptual layouts for inclusion in a Roundabout Justification Report and was also responsible for preliminary plan production and design elements such as H&V alignments, autoturn movements, roundabout geometrics, and drainage design. Also responsible for production of the 60% Preliminary Plan submittal.

16. STAFF EXPERIENCE

Firm employed by APS Engineering and Testing, LLC				
Name	**Sergio Aviles, P.E., M. ASCE**		Years of relevant experience with this employer	14
Title	President/Geotechnical Manager		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		BS Civil Engineering/2001/Geotechnical		
Active registration number / state / expiration date		P.E.0033571/ LA / 03-31-2026, ATSSA Work Zone Traffic Control Technician, Flagger, Water Well Contractor's License		
Year registered	2007	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Geotechnical Manager/Designer/Field Crew and Lab Management, **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).
	Mr. Sergio Aviles, P.E. is the President and Geotechnical Manager of A P S Engineering and Testing, LLC, and meets the DOTD Minimum Personnel Requirements Nos. 8, 9 and 10. Mr. Aviles has extensive expertise in slope stability analysis, embankment settlement calculations, mechanically stabilized earthen (MSE) wall design, pile design, sheet pile design, pile integrity testing, and Pile Dynamic Analyzer (PDA). Since founding A P S fourteen years ago, Mr. Aviles has led geotechnical engineering, laboratory testing and materials testing projects statewide for both government agencies and private clients. His professional portfolio includes the design and construction supervision of complex infrastructure projects throughout Louisiana, ensuring technical accuracy, adherence to DOTD specifications, and the highest standards of quality control.
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Mr. Aviles serve as Geotechnical Manager, providing technical oversight across all phases—from field exploration and lab testing to analysis and reporting. His leadership ensured conformance with DOTD specifications, QA/QC protocols, and schedule adherence.
06/20–04/23	**Rural Bridge Replacement Initiative Phase I:** The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. Geotechnical Investigation consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.

03/19–05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the Geotechnical Investigation and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Aviles served as Geotechnical Manager for the investigation and design team. He provided direct oversight of field operations, laboratory analysis, and engineering deliverables, ensuring technical accuracy, and timely completion across all phases of the project. overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
01/22–05/24	**Project No. H.001352.6 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing all phases of exploration, analysis, and reporting.
09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Mr. Aviles served as Geotechnical Manager for the investigation and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
11/19–12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85:** A P S was selected as part of the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
03/21–11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.):** The scope included a comprehensive geotechnical investigation to support foundation recommendations for proposed pavement rehabilitation and new bridge construction. A total of 32 borings were drilled and tested to characterize subsurface conditions and develop geotechnical design parameters for the City of Baton Rouge. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, providing hands-on leadership and technical oversight throughout all phases of the project to ensure accuracy, quality, and timely delivery.
03/15–04/15	**Holly Drive Bridge Replacement- St. Tammany Parish:** The scope included Geotechnical Investigation for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.

16. STAFF EXPERIENCE

Firm employed by APS Engineering and Testing, LLC				
Name	**Sairam Eddanapudi, P.E., M.E.**		Years of relevant experience with this employer	14
Title	Chief Geotechnical Engineer		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		ME/2002/Civil Engineering, BE/1999/Civil Engineering,		
Active registration number / state / expiration date		P.E.0035129/ LA / 03-31-2026 ATSSA Work Zone Traffic Control Technician, Flagger		
Year registered	2009	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Chief Geotechnical Engineer/Design Engineer/Laboratory QA Manager, **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).
	Mr. Sairam (Sai) Eddanapudi, P.E. serves as Chief Engineer at A P S Engineering and Testing, LLC, and meets the DOTD Minimum Personnel Requirement Nos. 8, 9 and 10. Mr. Eddanapudi brings 23 years of experience in geotechnical and civil engineering, with specialized expertise in advanced geotechnical laboratory testing, quality control, and personnel training. Mr. Eddanapudi earned his Master of Science in Civil Engineering from Lamar University and a Bachelor of Technology in Civil Engineering from India (1999). At A P S, Mr. Eddanapudi does the Quality Assurance by overseeing all geotechnical laboratory operations, ensuring testing accuracy and compliance with DOTD, ASTM, and AASHTO standards. His responsibilities include training laboratory personnel, managing Geosystems data integration, and overseeing calibration and maintenance of laboratory testing equipment to guarantee reliable results. His professional design experience includes roadways, bridges, levees, and T-walls, as well as both shallow and deep foundations. His field expertise covers quality control inspections for auger cast piles, drilled shafts, soil, and concrete. Mr. Eddanapudi is proficient in a wide range of engineering software, including Slope/W (2004, 2007, and 2024 versions) for slope stability analysis, Seep/W for seepage analysis, DRIVEN 1.4 for driven pile analysis, MicroStation V8, CWALSHT and FS004 for Slope stability, Swell Potential analysis for expansive soils, drilled shaft design software, auger cast pile analysis, AASHTO pavement design, slope analysis, and differential settlement evaluation. Mr. Eddanapudi's combination of technical expertise, leadership in laboratory operations, and commitment to quality ensures that A P S delivers accurate, dependable, and timely geotechnical data to support DOTD project success.
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Mr. Eddanapudi serves as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data. His leadership ensured conformance with DOT specifications, QA/QC protocols, and schedule adherence.

06/20–04/23	**Rural Bridge Replacement Initiative Phase I:** The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. Geotechnical Investigation consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
03/19–05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
01/22–05/24	**Project No. H.001352.6 and H.002273.5:** Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge: A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Mr. Eddanapudi i served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
11/19–12/23	**Project No. H.010155:** US 90 Railroad Overpass SE of LA 85- A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
03/15–04/15	**Holly Drive Bridge Replacement:** St. Tammany Parish: The scope included Geotechnical Investigation for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.

16. STAFF EXPERIENCE

Firm employed by APS Engineering and Testing, LLC				
Name	**Surendra Pathak, P.E., M.S.**		Years of relevant experience with this employer	11
Title	Senior Supervisor Engineer		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	MSCE/ 2013/ Civil Engineering BE/ 1998/ Civil Engineering			
Active registration number / state / expiration date	P.E.0043487/ LA/ 09-03-2025, ACI Certified Technician, Pile Dynamic Analyzer Proficient Rank ATSSA Work Zone Traffic Control Supervisor, Flagger			
Year registered	2009	Discipline	Civil	
Contract role(s) / brief description of responsibilities	Senior Supervisor Engineer/Design Engineer/QA-QC Field Testing, PDA testing leader, **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).
	Mr. Surendra Pathak serves as Senior Supervisor Engineer at A P S Engineering and Testing, LLC, and meets the DOTD Minimum Personnel Requirement No. 9. Mr. Pathak brings 21 years of experience in geotechnical engineering, with specialized expertise in Pile Driving Analyzer (PDA) testing and field quality control. Mr. Pathak holds a Master of Science in Civil Engineering from Mississippi State University (2013), a second M.S. in Civil Engineering from the Norwegian University of Science and Technology (2007), and a Bachelor of Engineering in Civil Engineering from Madan Mohan Malaviya University of Technology, India (1998). His technical experience spans the geotechnical design of roadways, bridges, levees, and T-walls, as well as the design and analysis of shallow and deep foundation systems. In the field, Mr. Pathak has directed and performed quality control inspections for auger cast piles, drilled shafts, soil, and concrete testing, and Pile Driving Analyzer (PDA) testing operations for driven pile testing, including data collection, real-time analysis, and coordination with project engineers to establish pile driving criteria. As a senior field leader at A P S, Mr. Pathak ensures that all foundation testing and construction activities meet DOTD specifications, applying both his technical expertise and on-site leadership to support successful project delivery.
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Standard Penetration Testing (SPT), Shelby tube sampling, and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Mr. Pathak serves as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
06/20–04/23	**Rural Bridge Replacement Initiative Phase I:** The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. Geotechnical Investigation consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise.

03/19–05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the Geotechnical Investigation and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
01/22–05/24	**Project No. H.001352.6 and H.002273.5:** Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge: A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
11/19–12/23	**Project No. H.010155:** US 90 Railroad Overpass SE of LA 85- A P S was selected as part of the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise.
03/15–04/15	**Holly Drive Bridge Replacement:** St. Tammany Parish: The scope included Geotechnical Investigation for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.

16. STAFF EXPERIENCE

Firm employed by APS Engineering and Testing, LLC					
Name	**Amanda Linton**			Years of relevant experience with this employer	6
Title	Senior Supervisor Engineer			Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			BS/2016/Biology		
Active registration number / state / expiration date			NICET III Equivalent ASTM approved Exams Certified by AASHTO /11-20-2026		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Laboratory Manager – Responsible for overseeing and coordinating all testing activities during the laboratory phase of each project, ensuring that procedures are conducted in strict accordance with applicable ASTM, AASHTO, and project specifications. **MPR 10**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Ms. Linton serves as the Laboratory Manager for A P S Engineering and Testing, LLC's AASHTO, LDEQ, and USACE-accredited Baton Rouge laboratory, operating under the direction of a Registered Professional Engineer and meets the DOTD Minimum Personnel Requirement No. 10. With an exceptional depth of practical knowledge and leadership in geotechnical laboratory operations, Ms. Linton oversees all day-to-day laboratory functions, ensuring every test meets or exceeds strict DOTD, ASTM, AASHTO, and USACE quality standards. In her role, Ms. Linton supervises and manages a team of five full-time laboratory technicians, each holding NICET III Equivalent ASTM–Approved Exams Certification by AASHTO. Ms. Linton is directly responsible for training, mentoring, and developing laboratory personnel, cultivating a highly skilled and quality-driven testing team. Her expertise extends to organizing, scheduling, and prioritizing complex testing programs to meet demanding project timelines without compromising accuracy or compliance. Ms. Linton has extensive experience performing and overseeing the full range of soil mechanics laboratory testing, including Soil Classification, Atterberg Limits, Grain Size Analysis, Hydrometer, Consolidation Testing, Organic Matter Content, Moisture Content, Permeability Testing, pH, Resistivity and advanced strength testing methods such as Unconfined Compression (UC), Unconsolidated–Undrained Triaxial (UU), Direct Shear (DS), Consolidated–Undrained Triaxial (CU), and Consolidated–Drained Triaxial (CD). Ms. Linton meticulous approach to quality control, documentation, and adherence to standardized protocols has been instrumental in maintaining A P S's impeccable laboratory accreditation record. Known for her ability to troubleshoot technical challenges, implement process improvements, and uphold rigorous testing integrity, Ms. Linton is widely regarded within A P S as an indispensable leader in delivering accurate, defensible geotechnical data to support DOTD projects.
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.

09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.
01/22–05/24	**Project No. H.001352.6 and H.002273.5:** Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge: A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.
11/19–12/23	**Project No. H.010155:** US 90 Railroad Overpass SE of LA 85- A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. All laboratory testing was performed at our accredited Laboratory. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.
03/19-05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. A P S performed all the laboratory testing per ASTM standards to facilitate the geotechnical design. Soil classification tests such as, natural moisture contents, Unconsolidated Undrained, liquid and plastic limits, unit weight, grain-size analyses, consolidations, and specific gravity were performed. All laboratory testing was performed at our accredited Laboratory. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.

16. STAFF EXPERIENCE

Firm employed by APS Engineering and Testing, LLC					
Name	**Van George**			Years of relevant experience with this employer	10
Title	Senior Driller			Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization			High School		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Senior Driller-Drilling Operation Supervisor, **MPR 11**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Van George serves as Lead Driller for A P S Engineering and Testing, LLC and meets the DOTD Minimum Personnel Requirement No. 11. With over 20 years of experience in geotechnical field exploration, Mr. George helps to oversees and manages A P S's drilling operations throughout Louisiana, ensuring that all field investigations are conducted in strict compliance with DOTD specifications and state laws. Mr. George has extensive expertise in a wide range of drilling and sampling techniques, including Shelby Tube sampling, Split Spoon sampling, Electronic Cone Penetrometer Testing (CPT), and mud rotary drilling for deep and shallow subsurface investigations. He is proficient in the use of piston samplers for soft cohesive soils to recover high-quality undisturbed samples, and pitcher samplers for hard cohesive soils. His CPT experience includes conducting dissipation testing to evaluate pore water pressure dissipation and soil consolidation characteristics. In compliance with Louisiana state grouting requirements, Mr. George ensures proper backfilling and grouting of all boreholes to protect groundwater resources and maintain environmental compliance. He also maintains and manages A P S's drilling fleet, overseeing rig maintenance, repairs, and equipment readiness to ensure safe and efficient operation. Mr. George prepares complete and accurate field logs and daily activity reports for every project, documenting drilling methods, soil classifications, sample recovery, and site conditions. He coordinates closely with project managers and geotechnical engineers to align field activities with project schedules and technical requirements. Recognized for his ability to troubleshoot difficult site conditions, adapt drilling methods to variable geologies, and lead crews safely and productively, Mr. George plays an essential role in delivering high-quality, reliable subsurface data that forms the foundation for A P S's geotechnical engineering recommendations.
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.

03/19-05/19	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the Geotechnical Investigation and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.
11/17-02/18	**Project No. H.013193: US 61 Thompson Creek Bridge Replacement:** A P S was tasked thru our DOTD geotechnical retainer for the Geotechnical Investigation to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. A P S performed all the laboratory testing per ASTM standards to facilitate the geotechnical design. Soil classification tests such as, natural moisture contents, Unconsolidated Undrained, liquid and plastic limits, unit weight, grain-size analyses, consolidations, and specific gravity were performed. All laboratory testing was performed at our accredited Laboratory. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.
07/14-08/14	**Project No. 700-51-0110 US 90 elevated portion for the future I-49 corridor:** A P S performed all the preliminary Geotechnical Investigation, drilling, testing, and CPT for US 90 and Highway 318 Intersection. A total of 46 borings and 11 CPTs were drilled. A P S performed all the laboratory testing per ASTM standards to facilitate the geotechnical design. Soil classification tests such as, natural moisture contents, Unconsolidated Undrained, liquid and plastic limits, unit weight, grain-size analyses, consolidations, and specific gravity were performed. All laboratory testing was performed at our accredited Laboratory. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.
01/04-05/12	**Private Jobs:** Drilling for warehouses, chemical plants, and private land development projects. Project No. N/A: Levees (Kenner) – New Orleans, LA: Drill and sample with 5” Shelby tubes, 80’ to 100’ holes. Project No. N/A: New Orleans East Levee – New Orleans, LA: Drill and sample with 5” Shelby tubes, 80’. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.

16. STAFF EXPERIENCE

Firm employed by Lazenby & Associates, Inc.

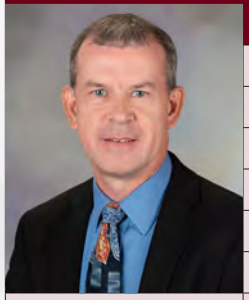
Name	**Paul D. Fryer, P.E., P.L.S.**	Years of relevant experience with this employer	38
Title	Senior Vice-President	Years of relevant experience with other employer(s)	2

Degree(s) / Years / Specialization			B.S. / 1984 / Civil Engineering
Active registration number / state / expiration date			P.L.S. 0004806/ Louisiana / 09/30/2027 P.E. 0023426 / Louisiana / 09/30/2027
Year registered	1987 1997	Discipline	P.E. - Civil Engineering P.L.S.
Contract role(s) / brief description of responsibilities			Project Manager, QA-QC

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Fryer has over 38 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. Mr. Fryer is familiar with LDOTD and AASHTO design standards for roadway design and plans development. Mr. Fryer has performed professional engineering and land surveying services on a variety of projects involving line and grade studies, major investment studies, location and Stage "0" studies as well as topographic surveys, property surveys, development of ROW maps. Mr. Fryer also has extensive experience in developing preliminary and final roadway plans on a variety of LDOTD projects, and has served in a QA-QC role on many different projects throughout his career. Mr. Fryer is familiar with the LDOTD Location and Survey Manual for conducting topographic surveys, property surveys and developing right-of-way maps. He has overseen the development of right-of-way maps for various LDOTD projects for over 20 years. Mr. Fryer has successfully completed the following continuing education classes, workshops, and seminars: • LA Specific Traffic Control Technician Course, 2024 (refresher) • LA Specific Traffic Control Supervisor Course, 2024 (refresher) • National Environmental Policy Act (NEPA) and Transportation Decision Making
04/95 – 03/00	**State Project No. 043-01-0017:** Dugdemona River and Relief Bridges, Jackson Parish - Mr. Fryer prepared preliminary and final roadway plans. This project consisted of the construction of two voided slab span bridges (main bridge and relief structure) and roadway approaches on new alignment.
11/95 – 06/00	**State Project No. 172-01-0011:** Bayou DeGlaise Bridge, Morehouse Parish - Mr. Fryer prepared preliminary and final roadway and final roadway plans. This project consisted of the construction of a slab span bridge and roadway approaches on new alignment.
01/97 – 10/99	**State Project No. 026-05-0017:** LA 15 (Sicily Island – Jct. LA 913), Catahoula Parish - Mr. Fryer was responsible for preparation of preliminary and final roadway and bridge plans. This project consisted of widening a 4.5-mile segment of LA 15 to four lanes as part of the LA TIMED Program.
01/04 – 05/07	**State Project No. 700-30-0061:** US 167, Lillie to Arkansas State Line, Union Parish - Mr. Fryer served as project manager, roadway designer, and surveyor responsible for development of final roadway plans, and right-of-way maps. This project consisted of the conversion of a 7.2-mile section of a rural two-lane arterial route to a four-lane divided arterial route under the LA TIMED Program.
10/07 – 04/16	**State Project No. H.002622:** Arkansas Road (LA 616), Ouachita Parish - Mr. Fryer served as project manager, was responsible for QA-QC of the plans, and was surveyor in charge of right-of-way maps. This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts.

02/18 - Present	**State Project No. H.007300: Kansas Lane:** Garrett Road Connector and I-20 Improvements, Ouachita Parish - Mr. Fryer serves as project manager, is responsible for QA-QC of the roadway plans, and prepared right-of-way maps for the widening of a section of Garrett Road crossing I-20 and connecting to Kansas Lane north of Millhaven Road and the KCS Railroad track to a four-lane arterial route. This project includes the design of five-multi lane round-abouts as well as interstate highway ramp improvements and frontage road realignments and improvements. Final plans for this project are currently 98% complete.
05/08 – 05/12	**State Project No. H.004780.5:** Kansas Lane Connector (Route US 80 to Route US 165) City of Monroe Urban systems, Ouachita Parish - Mr. Fryer served as project manager and surveyor responsible for conducting property surveys, and developing right-of-way maps as a sub-consultant to Denmon Engineering Co., Inc. This project involves construction of a four-lane urban arterial route around the University of Louisiana at Monroe connecting US 80 on the south end and US 165 on the northern end.
11/10 – 05/13	**Project Surveyor for Contract No. 4400000685:** Retainer Contract for Professional Surveying Services - Statewide - This retainer contract authorized 23 task orders for topographic surveys, property surveys and ROW maps over a 3-year period. Mr. Fryer served as the Project Manager and performed QA/QC for this contract.
03/08 – 04/11	**Project Surveyor on Contract No. 4400000638:** Retainer Contract for Professional Surveying Services – Statewide - This retainer contract authorized 15 task orders for topographic surveys, property surveys and ROW maps over a 3-year period. Mr. Fryer served as the Project Manager and performed QA/QC for this contract.
11/11 – 01/15	**Project Surveyor on Contract No. 4400001328:** Retainer Contract For Professional Surveying Services – Statewide - This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 3-year period. Mr. Fryer served as the Project Manager and performed QA/QC for this contract.
03/18 – 03/23	**Project Surveyor on Contract No. 4400012667:** Retainer Contract For Professional Surveying Services – Statewide - This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 5-year period. Mr. Fryer served as the Project Manager and performed QA/QC for this contract.
08/22 – present	**US 165 Turn Lanes at Scott Drive, Ouachita Parish:** Mr. Fryer provided a QA-QC review of the roadway plans and contract documents for this project, which consisted of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington, Louisiana. This project was funded by LDOTD through Ouachita Parish School Board.
08/23 – present	**State Contract No. 4400025025, District 05:** IIJA Off-System Bridge Replacement Program - Mr. Fryer is providing QA-QC reviews of the various plan submittals for ten (10) off-system bridge projects in LDOTD District 05 under this contract. Mr. Fryer is responsible for performing the property surveys and preparing the Right-of-Way Maps for this contract. The projects included in this contract are as follows: • State Project No. H.015337 – Mineral Springs Road Over Clark Creek, Ouachita Parish • State Project No. H.015453 – Hale Road Over Alligator Bayou, West Carroll Parish • State Project No. H.015454 – Keppler Creek Road Over Sugar Creek, Jackson Parish • State Project No. H.015455 – Spring Creek Road Over Wafer Creek, Lincoln Parish • State Project No. H.015456 – Hodge Road Over Cypress Bayou, Madison Parish • State Project No. H.015459 – Lapine Road Over Rogers Creek, Ouachita Parish • State Project No. H.015460 – Little Road Over Creek, Rapides Parish • State Project No. H.015461 – Fire Tower Road Over Rock Creek, Union Parish • State Project No. H.015462 – Pilgrims Rest Church Road Over Steep Bank Creek, Union Parish • State Project No. H.015463 – White Oak Landing Over Edmonds Creek, Union Parish Most of these projects have reached the final preliminary plan stage and are awaiting environmental clearance.

16. STAFF EXPERIENCE



Firm employed by Lazenby & Associates, Inc.

Name	**Randy C. Hammons, P.E.**	Years of relevant experience with this employer	23
Title	Senior Vice-President	Years of relevant experience with other employer(s)	8

Degree(s) / Years / Specialization			B.S. / 1993 / Civil Engineering
Active registration number / state / expiration date			P.E. 0029504 / Louisiana / 09/30/2025
Year registered	2001	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities			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).
	Mr. Hammons has more than 25 years of experience in planning and designing highways and bridges on transportation projects in Louisiana, Arkansas, Mississippi, and Tennessee. Mr. Hammons has approximately 16 years of experience supervising and processing topographic survey data, including establishing survey control, calculating existing alignments, creating digital terrain models (DTM’s), and developing existing drainage maps for LDOTD projects. Mr. Hammons has successfully completed the following continuing education classes, workshops, and seminars: • LA Specific Traffic Control Technician Course, 2024 (refresher) • LA Specific Traffic Control Supervisor Course, 2024 (refresher)
01/17 – 01/20	**Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400009384:** Retainer Contract for Professional Surveying Services – Statewide. This retainer contract contained six task orders to perform topographic surveys for various projects at a cost of $989,478 over a 3-year time frame. Some of the task orders for Topographic Surveys were as follows: State Project No. H.003370.5 – I-220/I-20 Interchange and BAFB Access, Route I-220 & I-20 in Bossier Parish (04/2018 – 10/2018). Topographic survey of the proposed I-220/I-20 Interchange and BAFB Access roadway in Bossier Parish using GPS receivers, robotic total stations, SX-10 terrestrial scanner, and mobile lidar. State Project No. H.007300.5 & H004774.5 – Kansas Lane – Garrett Road Connector and I-20 Interchange in Ouachita Parish (3/2018 – 9/2018) Topographic Survey of the proposed Kansas Lane - Garrett Road Connector and I-20 Interchange using GPS receivers, robotic total stations and a SX-10 terrestrial scanner. State Project No. H.012036.5 – US 80: Boeuf River Bridge in Richland Parish (03/2019 – 6/2019). Topographic survey for a bridge replacement project at the US 80 crossing of the Boeuf River using GPS receivers, robotic total stations and a SX-10 terrestrial scanner.

10/19 – 03/23	**Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400015236:** Retainer Contract for Professional Surveying Services – Statewide. This retainer contract has contained fifteen task orders to perform topographic surveys for various projects at a cost of $1,825,144 over a 5-year time frame. Some of the task orders for Topographic Surveys were as follows: State Project No. H.012030 – US 371: KCS RR Overpass HBI, Route LA 159 and US 371 in Webster Parish (10/2020-04/2021). Topographic survey of two bridge replacements over KCS RR using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridges. 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). Topographic survey of two bridge replacement sites using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridges. State Project No. H.013832.5 – LA 6: Grand Ecore Bridge Deck Repair, Route LA 6 in Natchitoches Parish (04/2021-06/2021). Topographic survey of the existing deck, barrier rails & river pier top of cap elevations for the Grand Ecore Bridge across the Red River using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate complete bridge deck & barrier rails. State Project No. H.014554.5 – LA 3025: Coulee Mine Scour Repair, Route LA 3025 in Lafayette Parish (04/2021-07/2021). Topographic survey of a bridge located near the intersection of LA 3025 & West Bayou Parkway using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridge, roadway and intersection. State Project No. H.012541.5 – LA 594: Overpass I-20, Route LA 594 in Ouachita Parish (01/2022-06/2022). Topographic survey of a bridge replacement near the intersection of I-20 and LA 594 (Texas Ave) using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar used to locate 4,200 LF of I-20 mainline and two bridge decks over interstate. State Project No. H.014646.5 – I-20: US 165 – E. of Garrett Road, Route I-20 in Ouachita Parish (08/2021-01/2022). Topographic survey of a proposed 2.49 mi interstate widening near the intersection of Garrett Road and I-20 using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar was used to locate 7,130 LF of I-20 mainline.
01/20 – Present	**Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400017710:** Retainer Contract for Professional Surveying Services – Statewide. This retainer contract has contained one task order to perform topographic surveys at a cost of $393,871 over a 5-year time frame. The task order for Topographic Surveys is as follows: State Project No. H.015052.5 – I-20 Widening & Improvements (Vancil to LA 34), Route I-20 in Ouachita Parish (05/2022-01/2023). Topographic survey of a proposed 3.94 mi interstate widening from Vancil Road to LA 34 along I-20 in West Monroe using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar was used to locate 20,815 LF of I-20 mainline.
11/24 – Present	**State Project No. H.014054:** I-69 Frtg. Rd. Conn (Ellerbe Rd to LA 1), Caddo Parish – Mr. Hammons is the Project Engineer responsible for processing the topographic survey field data for this project.

16. STAFF EXPERIENCE

Firm employed by Lazenby & Associates, Inc.

Name	**James S. Ellingburg, PE, LSI**	Years of relevant experience with this employer	16
Title	Project Engineer	Years of relevant experience with other employer(s)	0

Degree(s) / Years / Specialization	BS / 2008 / Civil Engineering
Active registration number / state / expiration date	P.E. 0037236 / Louisiana / 09/30/2026 L.S.I. 0000814 / Louisiana / 03/31/2026
Year registered: 2012 / Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Topographic Survey, Exist. Drainage Maps

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).
	Mr. Ellingburg has over 16 years of experience in developing roadway plans on both LDOTD and local roadway projects. Mr. Ellingburg 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. Ellingburg has assisted in hydraulic analysis and design, as well as roadway design and preparation of roadway plans, on a variety of roadway projects. He has also assisted with the processing of topographic survey data on multiple projects. Mr. Ellingburg has successfully completed the following continuing education classes, workshops, and seminars: • LA Specific Traffic Control Technician Course, 2024 (refresher) • LA Specific Traffic Control Supervisor Course, 2024 (refresher) • Designing Streets for Pedestrians and Bicyclists Workshop, 2016 • Highway Safety Manual Workshop, 2016 • Roundabout Design Workshop, 2013 • Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3, 2021 • One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022
05/08 – 06/15	**State Project No. H.002622:** Arkansas Road (LA 616), Ouachita Parish - Mr. Ellingburg initially served as an engineering technician, checking the topographic survey in the field for accuracy. Mr. Ellingburg then served as a project staff engineer, assisting the project engineer with development of existing drainage maps, drainage design maps, utility adjustments, and developing roadway plans. Mr. Ellingburg also assisted with roundabout designs, and sequence of construction in both Preliminary and Final plan development. This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts that required extensive geometric design and graphical grade development in order to meet AASHTO and LDOTD standards and requirements for safety. Once the project was let for construction, Mr. Ellingburg provided construction support on an as-needed basis by answering field questions from the contractor or LDOTD.
12/10 – 10/12	**State Project No. H.003854:** Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish - Mr. Ellingburg served as a project staff engineer, working on development of existing drainage maps, design drainage maps, roadway drainage plans, and assisting with roadway and bridge design and plan development for both Preliminary and Final plans. This project consisted of reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2 mile roadway connecting Swan Lake Road and Crouch Road. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway. There are three bridge sites on the project.

11/11 – 01/12	**State Project No. H.004684:** El Camino East/West Corridor, Route LA 6, Natchitoches Parish - Mr. Ellingburg served as a project staff engineer, developing existing drainage maps for a LDOTD Topographic Survey.
09/17 – Present	**State Project Nos. H.004774 & H.007300:** Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish - Mr. Ellingburg served as a project staff engineer, assisting with generating topographic survey deliverables, developing existing drainage maps for the topographic survey portion of the project. During the design and plan preparation portion of the project, Mr. Ellingburg has performed drainage design, developed design drainage maps, and assisted with design of five multi-lane roundabouts, developing graphical grades and assisting with geometric design and sequence of construction. This urban project includes five multilane roundabouts and interstate ramp modifications that required extensive geometrics and graphical grades in order to meet AASHTO and LDOTD standards and requirements for safety. The final plans are currently 98% complete.
01/17 – Present	**Ouachita Parish Police Jury Road Program:** Mr. Ellingburg is an integral team member of the Ouachita Parish Police Jury Road Program. His duties consist of evaluating parish roadways and developing pavement preservation construction plans, including processing the topographic surveys, to preserve and extend the life of Ouachita Parish roadways, some of which are designed and constructed under the LDOTD Urban Systems program. Mr. Ellingburg has also served as project engineer during construction, ensuring that the projects are built in accordance with the plans and specifications. Some of the Ouachita Parish Urban System projects that Mr. Ellingburg has provided professional services, including serving as the project engineer during construction, include the following: • State Project No. H.011747 – Edwards Road (Reconstruction) • State Project No. H.013796 – Tanglewood Drive (Reconstruction) • State Project No. H.013802 – Garrett Road (Mill, Patch and Overlay) • State Project No. H.013803 – Richwood Road No. 2 (Mill, Patch and Overlay) • State Project No. H.013804 – Wall Williams Road (Mill, Patch and Overlay and includes a segment of Reconstruction) • State Project No. H.013805 – Finks Hide-A-Way Road (Mill, Patch and Overlay and includes a segment of Reconstruction)
11/22 – Present	**State Project No. H.007289:** Kansas Ln Ext (Old Sterl.-US165) Phase 1, Ouachita Parish - Mr. Ellingburg is serving as the project engineer during construction of this project, ensuring that the project is built in accordance with the plans and specifications, coordinating testing to ensure compliance with LDOTD Material Sampling Manual, and coordinating construction activities with utility companies and railroad personnel to keep the project on schedule.

16. STAFF EXPERIENCE

Firm employed by Lazenby & Associates, Inc.

Name	**Ronald J. Riggin, II, P.E., P.L.S.**	Years of relevant experience with this employer	12
Title	Project Surveyor	Years of relevant experience with other employer(s)	6

Degree(s) / Years / Specialization			B.S. / 2006 / Civil Engineering
Active registration number / state / expiration date			P.L.S. 0005119/ Louisiana / 03/31/2027 P.E. 0036016 / Louisiana / 03/31/2027
Year registered	2014 2011	Discipline	Professional Land Surveyor Professional Engineer (Civil)
Contract role(s) / brief description of responsibilities			Topographic Survey, Property Surveys, Right-of-Way Maps, **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).
	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) years of experience in conducting and performing topographic surveys, property surveys, and developing right-of-way maps. Mr. Riggin has successfully completed following continuing education classes, workshops, and seminars: • LA Specific Traffic Control Technician Course, 2024 (refresher) • LA Specific Traffic Control Supervisor Course, 2024 (refresher) • ATSSA Course for Traffic Flagger, 2024
07/14 – 06/16	**Retainer Contract No. 4400003471:** 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.
10/14 – 06/17	**Retainer Contract No. 4400004541:** 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 8 Task Orders for an accumulated value of $811,513.00 for LDOTD State Projects at various locations in Louisiana.
04/13 – 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.
04/14 – Present	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	**State Project No. H.011742:** Ole Highway 15 Improvements, 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. This project consisted of pavement reconstruction under the DOTD Urban Systems program. (Note that we typically perform a full topo survey, within existing right-of-way, on pavement preservation projects on Ouachita Parish roadways. This is not typically done for LDOTD on-system pavement preservation projects.)
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.
09/18 – 01/23	**Retainer Contract No. 4400012668:** Retainer Contract for Professional 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.
12/18 – 02/19	**State Project No. H.013802:** Garrett Road, Ouachita Parish - Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 0.4-mile segment of roadway from LA 15 to Austin Street under the DOTD Urban Systems program.
01/19 – 04/19	**State Project No. H.013804:** Wall Williams Road, Ouachita Parish - Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of segments of mill, patch, and overlay and segments of reconstruction of a 1.6-mile segment of roadway from Good Hope Road to LA 143 under the DOTD Urban Systems program.
04/19 – 07/19	**State Project No. H.014348**: Lee Avenue, City of Monroe, Ouachita Parish - Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 1.2-mile segment of roadway from Jackson Street to Standifer Avenue under the DOTD Urban Systems program.
07/19 – 09/19	**State Project No. H.013796:** Tanglewood Drive, Ouachita Parish - Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of roadway reconstruction a 0.3-mile segment of roadway from LA 15 to Dellwood Drive under the DOTD Urban Systems program.

We have worked on 175 roundabout geometry intersections in Louisiana in conformance with DOTD guidelines. This provides proven experience successfully applying the principals of design and sound engineering judgement for projects like Downing Pines Roundabout.

Section 17

Contract No. 4400032380

DOWNING PINES RD: ROUNDABOUT AT MANE ST OUACHITA PARISH

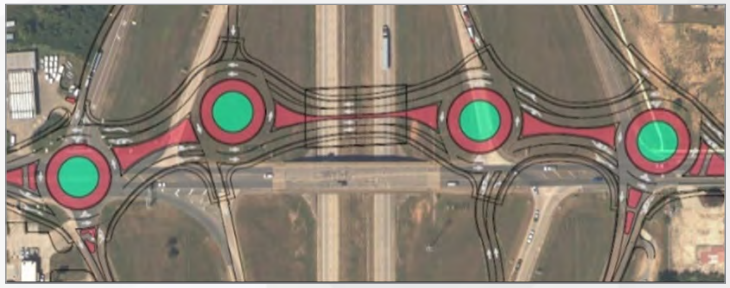
"NSI effectively and proactively controlled the contract. When additional scope was added to the contract, the consultant coordinated effectively with the Department's project manager to identify critical path tasks. The consultant completed these tasks in a timeframe which allowed the scheduled letting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

"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 judgement when resolving design issues throughout the preliminary plan development and acted promply to resolve issues as they arose."
– DOTD Performance Review

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	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 completed these plans are currently providing construction support services. NSI was 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.

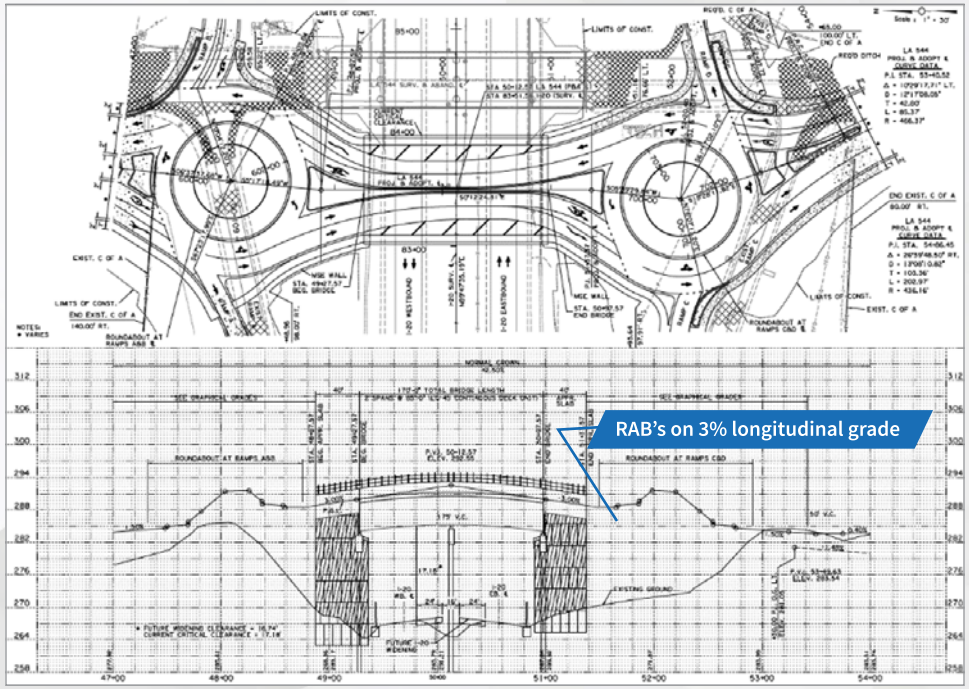


Challenges:

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.



Team Members Highlighted in this Proposal: Dishili Young, PE, PTOE, Mai Nguyen, PE, Chance Shuckrow, PE, Scott Andrepont, PE

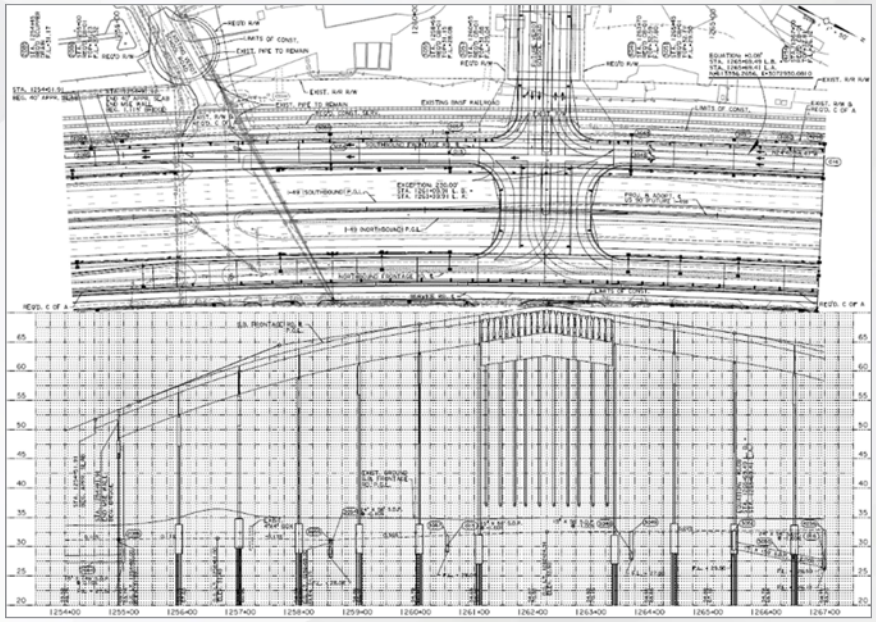
17. FIRM EXPERIENCE

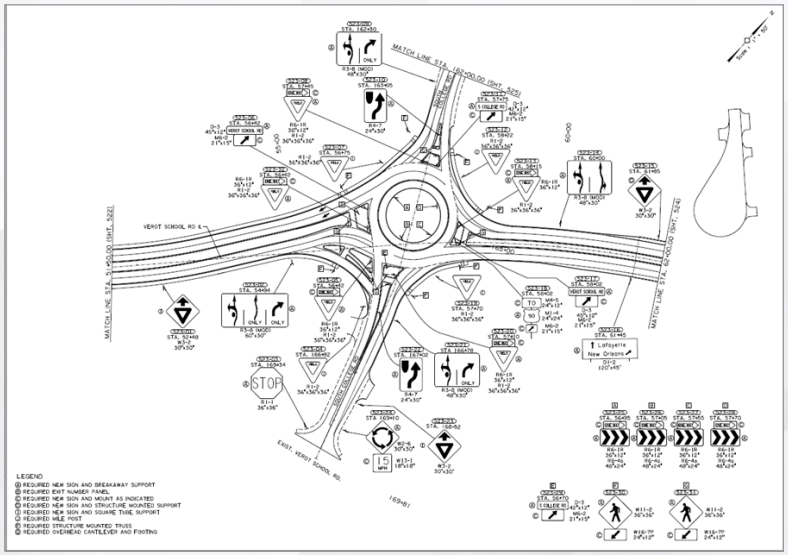
Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Road
Project name	**I-49 South @ Verot School Road**	Firm responsibility (prime or sub?)	Sub
Project number	H.011235.5	Owner's name	LADOTD
Project location	Lafayette Parish, LA	Owner's Project Manager	Corey Landry, PE
Owner's 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.

Team Members Highlighted in this Proposal: Nick Ferlito, PE, PTOE, Dishili Young, PE, PTOE, Mai Nguyen, PE, Steve Perault





Project Relevance:

- ✓ Level 2 TMP
- ✓ Traffic services
- ✓ Multilane roundabout
- ✓ Designed using DOTD guidelines & software
- ✓ Work along existing roads
- ✓ Sequence of construction for roads open to traffic
- ✓ Temporary traffic signal design
- ✓ Utility avoidance

17. FIRM EXPERIENCE

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

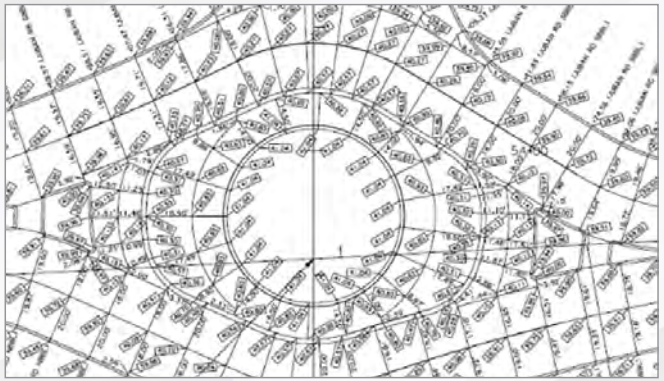
Neel-Schaffer was selected as prime consultant to complete the **preliminary and final roadway plans, hydraulic analysis and design**, construction **cost estimates**, and **construction support**. The project includes **three multilane roundabouts** and will widen existing LA 1026 (Juban Road), an Urban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

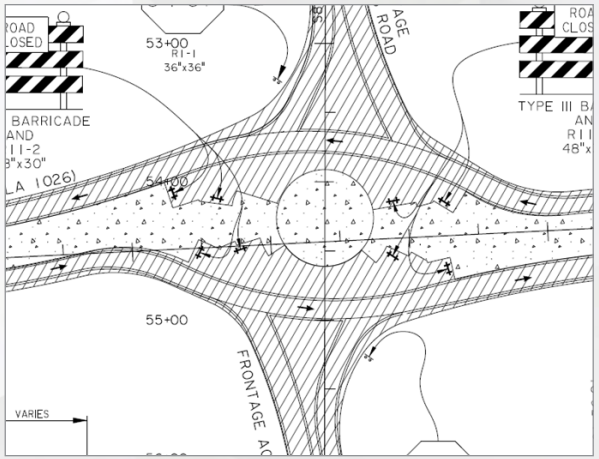
Project Challenge/Solution: The project was let as two design packages which required roadway design (horizontal and vertical alignments) and drainage designed to work for both phases; Interim build and full build conditions.

Team Members Highlighted in this Proposal: Dishili Young, PE, PTOE, Chance Shuckrow, PE, Scott Andrepont, PE, Mai Nguyen, PE

Project Relevance:

- ✓ Includes three multilane roundabouts (RAB's) with PCCP
- ✓ RAB construction phasing on existing DOTD corridor
- ✓ Utility avoidance
- ✓ Close coordination with local entity and stakeholders



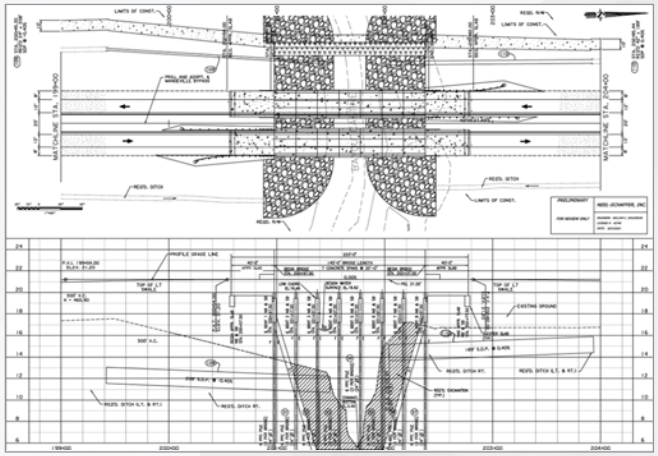


This project begins at the intersection of LA 1026 (Juban Road) and the I-12 north interchange ramps and continues to the intersection of LA 1026 (Juban Road) and US 190 (Florida Blvd) and ends approximately 2,000 feet east and west along US 190 (Florida Blvd) from the intersection of LA 1026 (Juban Road).

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Road
Project name	**Mandeville Bypass**	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	St. Tammany Parish
Project location	Mandeville, LA	Owner's Project Manager	Laura B. Gatlin, PMP
Owner's address, phone, email	620 N Tyler Street, Covington, LA 70434 | 985.898.2552 | lcbeach@stpgov.org		
Services commenced by this firm (mm/yy)	07/15	Total consultant contract cost ($1,000's)	$2,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$550

The Mandeville Bypass will provide a new three-mile median section roadway with integral bike bath connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will also provide **five multilane roundabouts (2 along DOTD roadways).** Neel-Schaffer completed the public involvement, traffic analysis, completing the preliminary and final roadway plans, traffic control design, MOT, utility coordination, construction cost estimates, and construction support. Neel-Schaffer is also leading the environmental planning for the project as well as permitting as may be required.



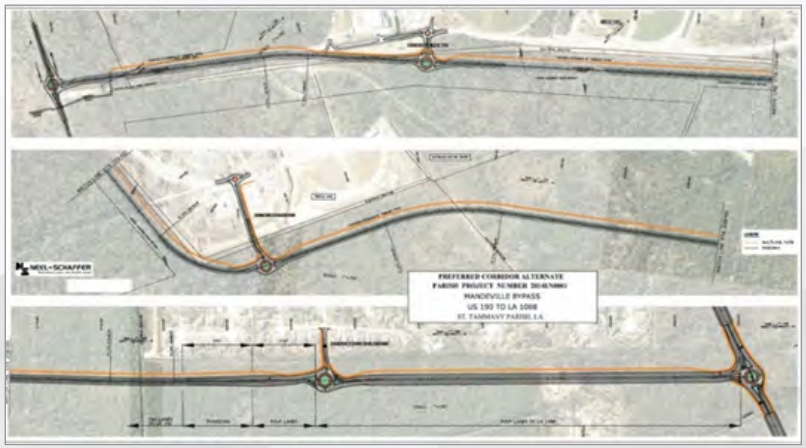
Challenge: Pipeline conflicts

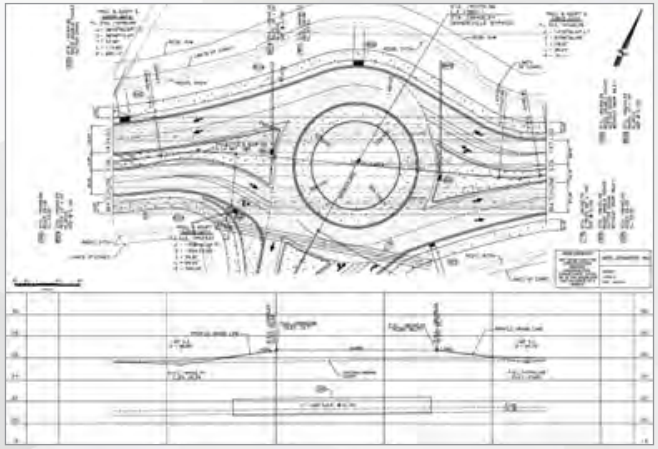
Solution: NSI coordinated closely with pipeline owners, assisted with locating lines and depths in the field and based on map data and provided revisions to drainage design to provide the necessary cover. The final roadside drainage included concrete lined ditches over the pipelines.

Team Members Highlighted in this Proposal: Dishili Young, PE, PTOE, Scott Andrepont, PE, Chance Shuckrow, PE, Mai Nguyen, PE, Steve Perault

Project Relevance:

- ✓ Multilane roundabouts along two state highways
- ✓ Designed using DOTD guidelines & software
- ✓ Designed in conformance with **NCHRP Report 672** *Roundabouts: An Informational Guide (Second Edition)*
- ✓ Work along existing roads
- ✓ Sequence of construction for roads open to traffic.
- ✓ Utility and pipeline avoidance





17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Discipline(s)*	Road, Planning
Project name	**IDIQ for Road Design Projects**	Firm responsibility (prime or sub?)	Prime
Project number	H.0144366, H.015226	Owner's name	LADOTD
Project location	Calcasieu and Ascension Parishes	Owner's Project Manager	Cathy Masin, Mohammad Nur
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; 225-379-1652; Catherine.Mastin@la.gov; Mohammad.Nur@la.gov		
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost ($1,000's)	$5,000
Services completed by this firm (mm/yy)	03/28	Cost of consultant services provided by this firm ($1,000's)	$1,215

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

The task orders under this contract are as follows:

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

2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621.

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

4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass, located in Morgan City, LA. The scope of work includes pavement patching, 4" mill and overlay, roadway reinforcing mesh, curb ramps at existing driveways and turnouts, guardrail and embankment at overpass.

5.) H.015640 LA 150 & LA 818: ROUNDABOUT; Project will convert existing intersection to single lane roundabout intersection.

Team Members Highlighted in this Proposal: Nick Ferlito, PE, PTOE, Dishili Young, PE, PTOE, Chance Shuckrow, PE, Ellen Howard, PE, PTOE, RSP1, Jonathan Duhe, PE, PTOE, RSP1, Gary LeBlanc

This is the conceptual layout completed by NSI prior to preliminary plans to provide LADOTD with the potential impacts and proposed geometry before producing 30% preliminary design plans.

Project Relevance:

- ✓ Preliminary and Final Plans
- ✓ Highway Design
- ✓ Plan Quality Assurance
- ✓ Includes Safety Improvements
- ✓ Safety improvements
- ✓ Traffic Analysis and Safety Analysis

17. FIRM EXPERIENCE

Firm Name	**Crescent Engineering & Mapping, LLC**	Past Performance Evaluation Category(ies)*	Road
Project name	**LA 3127 Widening (LA 20 to LA 3213)**	Firm responsibility (prime or sub?)	Prime
Project number	50-J47-21-01	Owner's name	St. James Parish Government
Project location	Vacherie, LA	Owner's Project Manager	Ryan Larousse/Jacob Fusilier, P.E., PMP (LADOTD)
Owner's address, phone, email	5800 LA Hwy 44, Convent, LA 70723 225-206-1379 ryan.larousse@stjamesparishla.gov		
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost ($1,000's)	$1,525
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,180

The LA 3127 Widening project involves **widening 3.5 miles of existing 2-lane roadway to a 4-lane divided** section with a 64' wide, depressed median, directional U-turns, Restricted Crossing U-turns (R-CUT's) and **multi-lane roundabouts at LA 3213 and LA 20**. The project includes traffic studies, feasibility, planning/ environmental, topographic surveys, roadway design, geotechnical, contract management, and construction support services. The traffic study was prepared in accordance with LADOTD TEPR guidelines and all project scoping including survey and roadway design is in accordance with LADOTD design guidelines and requirements for plan production due to current state funding and anticipated federal funding.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for all topographic surveying, hydraulic analysis and design, **Level 3 TMP,** roadway/ J-Turn/roundabout **geometrics**, property surveys, R/W mapping, inroads modeling, utility coordination, permit drawings, patching, mill/ overlay and reconstruction of the existing LA 3127 roadway, agency coordination, construction support, geotechnical and environmental coordination, and plan production for Preliminary and Final plans. The project's design and drawings are being developed per LADOTD design guidelines and plan requirements using Microstation/Inroads. Crescent has completed all surveying, traffic studies associated with the intersection improvements as well as the 60% Final Plans. The 95% Final Plans are due in December 2025. The project is being reviewed by LADOTD and FP&C at all submittal stages.

Team Members Highlighted in this Proposal: Dennis M. Hymel Jr., PE, Abbey Falcon, PE, James Ledet, PE

17. FIRM EXPERIENCE

Firm Name	**Crescent Engineering & Mapping, LLC**	Past Performance Evaluation Category(ies)*	Road, Bridge
Project name	**McLin Road over Dutchman Creek**	Firm responsibility (prime or sub?)	Prime
Project number	H.015025	Owner's name	Louisiana Department of Transportation & Development (LADOTD)
Project location	St. Helena Parish	Owner's Project Manager	Barbara Ostuno, P.E.
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802 225-379-1047 barbara.ostuno@la.gov		
Services commenced by this firm (mm/yy)	04/23	Total consultant contract cost ($1,000's)	$160
Services completed by this firm (mm/yy)	05/24	Cost of consultant services provided by this firm ($1,000's)	$148

The McLin Road over Dutchman Creek project involved the replacement of an existing 15' x 50', 3-span timber bridge and adjacent roadway, drainage and guard rail improvements in St. Helena Parish near Pine Grove, LA and was administered through the LADOTD Off-System Bridge Replacement Program. The project includes topographic surveys, roadway design, bridge design, and environmental support services. The selected replacement structure was a 24' clear x 80' long, reinforced concrete slab span bridge with horizontally curved spans, curved approach slabs and 36" MASH TL-4 rails. The bridge was designed using OpenBridge Designer, STAAD, and LRFR using AASHTOWare BrR Ver. 7.5.1.

Crescent Engineering & Mapping, LLC was the Prime Consultant for the project and is responsible for the topographic surveys, hydraulic analysis and report of structure crossing, scour calculations, guardrail design, roadway design, temporary diversion layout and channel hydraulics, special, non-standard bridge design elements including span, bent and approach slabs in accordance with the LADOTD BDEM and AASHTO guidelines, roadway and bridge plan production. Hydraulic analysis of the channel was performed using GeoHEC-RAS and plans were produced in accordance with all LADOTD requirements including Bentley Microstation/ Inroads, ProjectWise and certified by CadConform. Horizontal and vertical alignments and bridge

guard rail were specifically designed to minimize right-of-way impacts and eliminate conflicts with adjacent wetlands in order to streamline the environmental and right-of-way acquisition process.

Crescent has completed all services and the project was let in June 2024 and construction was completed in June 2025.

Team Members Highlighted in this Proposal: Dennis M. Hymel Jr., PE, Abbey Falcon, PE, James Ledet, PE, Megan Miller, PE

✓ Crescent completed the project from survey through Preliminary Plans, Environmental, Final Plans, and Letting in only 13 months due to an accelerated schedule.

17. FIRM EXPERIENCE

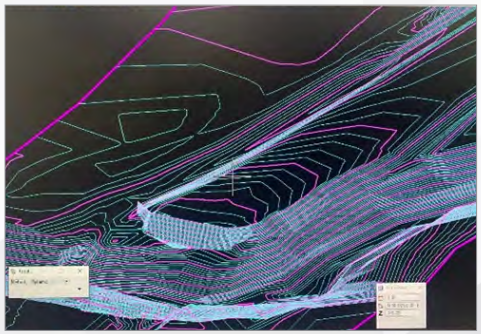
Firm Name	**Crescent Engineering & Mapping, LLC**	Past Performance Evaluation Category(ies)*	Road, Bridge
Project name	**Tangipahoa IIJA Bridge Replacements**	Firm responsibility (prime or sub?)	Prime
Project number	H.015404, H.015407, H.015333	Owner's name	Tangipahoa Parish/LADOTD
Project location	Tangipahoa Parish/Dist. 62	Owner's Project Manager	Misty Evans, P.E./Ryan Rodney
Owner's address, phone, email	206 E. Mulberry St., Amite, LA 70422 985-244-6880 mevans@tangipahoa.org		
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost ($1,000's)	$677
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$447

The Tangipahoa Parish IIJA Bridges is part of the District 62 IIJA (BIL) bridge replacement project and involves the replacement of 4 bridge structures along E. Lewiston, Easley and Old Gennessee Roads in Tangipahoa Parish. Grouped into three (3) state projects, each project includes topographic surveys, hydraulics and scour analysis and reports, bridge design, roadway design, geotechnical, environmental and contract management.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for the topographic surveys, hydraulic analyses and modeling, scour analyses, bridge design, roadway design, LRFR, utility surveys and roadway/bridge plan production. Hydraulic analysis was performed using GeoHEC-RAS as well as LADOTD's HYDRWIN for roadside drainage. Bridge structures and RCB's are being rating using AASHTOWare BrR. The project's design and drawings are being developed per LADOTD design guidelines and plan requirements using Microstation/Inroads.

Crescent has completed the topographic surveys, hydraulic analysis, road design, bridge design, Preliminary Plans and received environmental clearance for all 3 projects. Crescent has submitted 100% Final Plans on H.015333 and 98% Final Plans on the other two projects, which are awaiting R/W clearance.

Team Members Highlighted in this Proposal: Dennis M. Hymel Jr., PE, Abbey Falcon, PE, Megan Miller, PE, James Ledet, PE



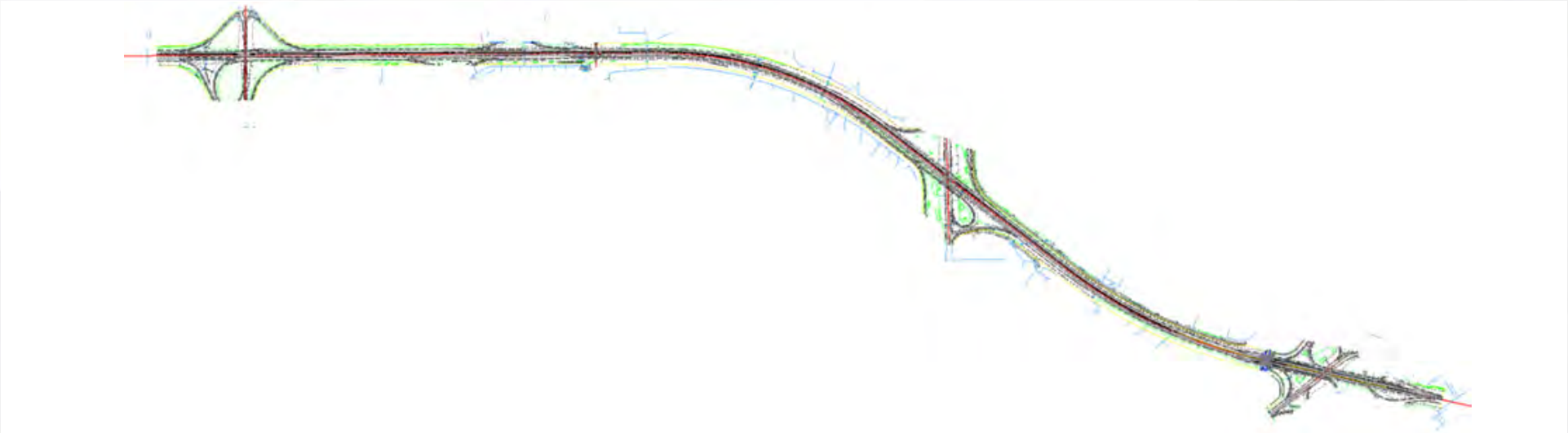

17. FIRM EXPERIENCE

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	Louisiana Department of Transportation and Development
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	05/22	Total consultant contract cost ($1,000's)	$393.9
Services completed by this firm	01/23	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.

Team Members Highlighted in this Proposal: Ronald J. Riggin, PE, PLS, Randy Hammons, PE, James Ellingburg, PE, LSI



17. FIRM EXPERIENCE

Firm name	**Lazenby & Associates, Inc.**	Past Performance Evaluation Category(ies)*	Survey
Project name	**Retainer Contract for Professional Surveying Services**	Firm responsibility (prime or sub?)	Prime
Project number	4400012667	Owner's name	Louisiana Department of Transportation and Development
Project location	Statewide	Owner's Project Manager	Carl Hultgren, P.L.S., C.H.
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804-9245, 225-379-1723, Carl.Hultgren@la.gov		
Services commenced by this firm	07/18	Total consultant contract cost ($1,000's)	$367.6

Lazenby & Associates, Inc. was the Prime Consultant on this project. This project consisted of 25 Task Orders to perform Topographic Surveys, Property Surveys and Right-of-Way Maps for various LaDOTD Projects in North Louisiana.

All work performed on this project was performed out of our West Monroe office using Louisiana residents.

This contract included 25 Task Orders. Some of the task orders performed under this contract include the following:

Task Order No.	Description	Location	Amount	Time Frame & Personnel
H.012798.5	LA 594: Roundabout at Rowland Road Property Surveys & ROW Maps	Ouachita Parish	$14,851	Aug., 2018 – June, 2019 Paul D. Fryer, P.E., P.L.S.
H.007300.5/ H.004774.5	Kansas Lane – Garrett Road Topographic Survey, Property Surveys & ROW Maps	Ouachita Parish	$99,292	Jan., 2019 – Sept., 2019 Paul D. Fryer, P.E., P.L.S. Ronald J. Riggin, II, P.E., P.L.S.
H.000169.6	Missouri Pacific Railroad Bridge @ Sicard Road Property Surveys & ROW Maps	Ouachita Parish	$4,230	Sept., 2019 – Sept., 2019 Paul D. Fryer, P.E., P.L.S. Ronald J. Riggin, II, P.E., P.L.S.

Team Members Highlighted in this Proposal: Ronald J. Riggin, II, PE, PLS, Paul D. Fryer, PE, PLS

17. FIRM EXPERIENCE

Firm name	**Lazenby & Associates, Inc.**	Past Performance Evaluation Category(ies)*	Survey
Project name	**US 371: KCS RR Overpasses (HBI)**	Firm responsibility (prime or sub?)	Prime
Project number	S.P.N. H.012030	Owner's name	Louisiana Department of Transportation and Development
Project location	Webster 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	12/22	Total consultant contract cost ($1,000's)	$222.3
Services completed by this firm	03/23	Cost of consultant services provided by this firm ($1,000's)	$222.3

Lazenby & Associates, Inc. is the prime consultant on this project, performing topographic surveying services within the existing US 371/I-20 interchange ROW for existing roadway lighting improvements. Approximately 3,800 feet along US 371 (urban minor arterial) and 5,600 feet along I-20 (urban interstate) located in Minden, LA is included in the topographic survey limits.

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 UAV scanner payload. 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. UAV photogrammetry was collected 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 US 371/I-20 corridors, including all interchange ramps.

Team Members Highlighted in this Proposal: Ronald J. Riggin, PE, PLS, Randy Hammons, PE, James Ellingburg, PE, LSI

17. FIRM EXPERIENCE

Firm name	**APS Engineering and Testing, LLC**	Past Performance Evaluation Category(ies)*	Geotech
Project name	**I-10 Widening LA 415 to Essen LN**	Firm responsibility (prime or sub?)	Prime
Project number	H.004100	Owner's name	Louisiana Department of Transportation and Development
Project location	Baton Rouge, Louisiana	Owner's Project Manager	Kristy Smith, P.E.
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438, 225-379-1016, kristy.smith2@ls.gov		
Services commenced by this firm	09/19	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$600

Comprehensive Geotechnical Investigation and Design Support-A P S Engineering and Testing, LLC performed a comprehensive geotechnical investigation to provide the client with all necessary subsurface information for the planning and design of the I-10 widening project between the Washington Street Exit and LSU Lakes. The scope included the drilling and sampling of 77 deep borings, consisting of 16 over-water borings and 61 land borings, strategically located to address anticipated deep foundation and MSE Walls design needs. Our field operations incorporated multiple drilling techniques to address varying site conditions, and all sampling was conducted in accordance with ASTM and DOTD standards. The project required complex over-water operations with specialized equipment mobilization and safety compliance procedures. Laboratory testing was performed exclusively in our AASHTO-Accredited Geotechnical Laboratory, including:

- Soil Classification – ASTM D2487 (Unified) / ASTM D3282 (AASHTO)
- Natural Moisture Content – ASTM D2216
- Liquid limit, plastic limit, and plasticity index (ASTM D4318)
- Grain Size Analyses – ASTM D422
- Minus No. 200 Wash Sieve Analysis – ASTM D1140
- Unconsolidated Undrained (UU) Triaxial Tests – ASTM D2850
- One-Dimensional Consolidation Testing – ASTM D2435
- Specific Gravity – ASTM D854

All results were subjected to QA/QC review by senior geotechnical engineers, ensuring that the design team received reliable engineering parameters for design. As a result, a geotechnical report was prepared with site-specific design recommendations for deep foundations, embankment stability, and MSE wall structures, enabling the client to move forward with confidence in the design phase.

Team Members Highlighted in this Proposal: Sergio Aviles, P.E. – Geotechnical Manager, Sai Eddanapudi, M.E., P.E. - Chief Engineer, Surendra Pathak, P.E.- Senior Geotechnical Engineer, Amanda Linton-Laboratory Testing Supervisor, Van George- Head Driller

Project Relevance:

- ✓ Geotechnical Explorations (GE)
- ✓ Geotechnical Design (GD)
- ✓ Geotechnical Construction (GC)
- ✓ CMAR
- ✓ Constructability
- ✓ Contract Management (CM)

17. FIRM EXPERIENCE

Firm name	**APS Engineering and Testing, LLC**	Past Performance Evaluation Category(ies)*	Geotech
Project name	**Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge**	Firm responsibility (prime or sub?)	Sub
Project number	H.001352; H.002273	Owner's name	Huval & Associates, Inc.
Project location	East Baton Rouge, Louisiana	Owner's Project Manager	Thomas M. Gattles III, P.E.
Owner's address, phone, email	922 West Pont Des Mouton Rd,. Lafayette, LA 70507 / 337-264-3798/ tgattle@huvalassoc.com		
Services commenced by this firm	11/19	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm	06/22	Cost of consultant services provided by this firm ($1,000's)	$150

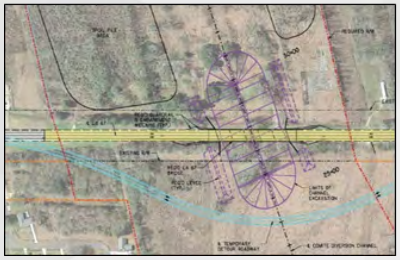
Comprehensive Geotechnical Investigation and Design Support-A P S Engineering and Testing, LLC provided complete geotechnical services to support the planning, design, and construction of multiple structures along the LA-19 corridor, including the LA-19 bridge (slope stability/embankment), LA-19 railroad bridge (embankment/MSE wall settlement/ retaining wall), LA-19 twin bridges, and the LA-67 bridge (prestressed concrete piles).The investigation included drilling and sampling of 19 deep borings ranging from 50 ft to 120 ft, followed by an extensive laboratory testing program in our AASHTO-accredited laboratory including:

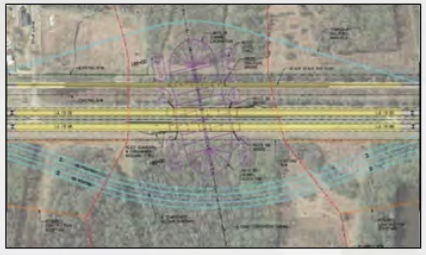
- Moisture content (ASTM D2216)
- Liquid limit, plastic limit, and plasticity index (ASTM D4318)
- Unconsolidated-Undrained triaxial compression (ASTM D2850)
- One-Dimensional Consolidation (ASTM D2435)

All data was analyzed to develop the geotechnical design parameters for Slope Stability, Settlement, MSE wall, and Deep Foundations design. As the project advanced into construction, A P S was also retained by DOTD to provide full geotechnical engineering services during construction, services included:

- PDA instrumentation and CAPWAP analysis for driven piles
- Field inspection and verification of test piles
- Construction Materials Testing (CMT) for soils, concrete, and aggregates

Team Members Highlighted in this Proposal: Sergio Aviles, P.E. – Geotechnical Manager, Sai Eddanapudi, M.E., P.E. - Chief Engineer, Surendra Pathak, P.E.- Senior Geotechnical Engineer, Amanda Linton-Laboratory Testing Supervisor, Van George- Head Driller





Project Relevance:

- ✓ Geotechnical Explorations (GE)
- ✓ Geotechnical Design (GD)
- ✓ Geotechnical Construction (GC)
- ✓ CMAR
- ✓ Constructability
- ✓ Contract Management (CM)

17. FIRM EXPERIENCE				
Firm name	**APS Engineering and Testing, LLC**		Past Performance Evaluation Category(ies)*	Geotech
Project name	**US-90 Railroad Overpass (S. East of LA-85)**		Firm responsibility (prime or sub?)	Sub
Project number	H.010155		Owner's name	Shread-Kurykendall & Associates, Inc
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Nicci D. Gill
Owner's address, phone, email	13016 Justice Ave., Baton Rouge, LA 70816, 225-296-1335, ngill@skanger.com			
Services commenced by this firm	11/19		Total consultant contract cost ($1,000's)	N/A
Services completed by this firm	12/23		Cost of consultant services provided by this firm ($1,000's)	$105

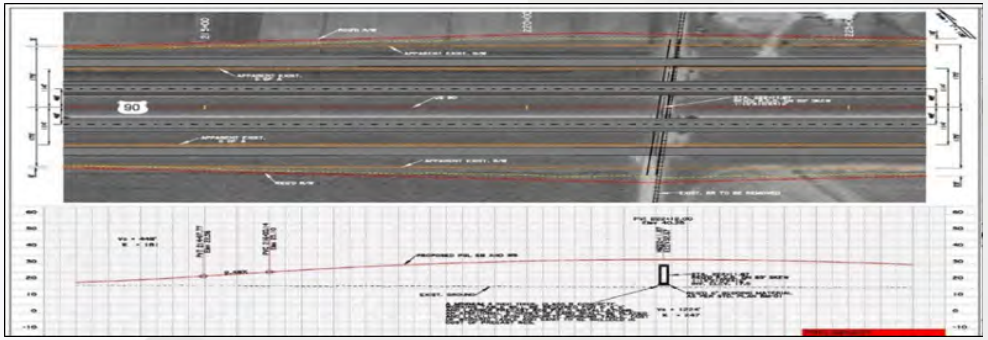
Comprehensive Geotechnical Investigation and Design for 2,400-Foot Span Bridge-A P S Engineering and Testing, LLC performed full-service geotechnical investigation and engineering analysis to support the planning and design of a 2,400-foot bridge. The scope work included drilling twelve (12) borings to depths of 120 ft, with continuous undisturbed sampling from the ground surface to 20 ft and at 5-ft intervals thereafter to ensure high-quality data for design purposes.

All laboratory testing was performed in our AASHTO-accredited laboratory following ASTM standards, including:

- Visual description and classification of soils (ASTM D2488)
- Moisture content (ASTM D2216)
- Minus No. 200 Wash Sieve Analysis – ASTM D1140
- Liquid limit, Plastic limit, and Plasticity index (ASTM D4318)
- Unconsolidated-Undrained triaxial Compression (ASTM D2850)
- One-Dimensional Consolidation (ASTM D2435)

The engineering analysis included Slope Stability, Settlement analysis, MSE wall design, and deep Pile foundations design recommendations, ensuring a complete geotechnical design report. Recommendations were also provided for constructability and long-term performance of the bridge foundations.

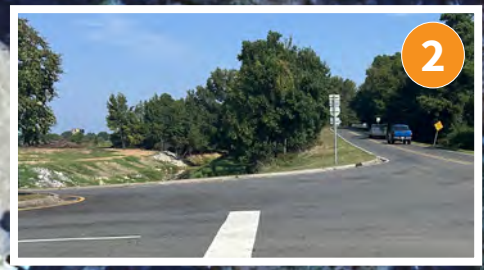
Team Members Highlighted in this Proposal: Sergio Aviles, P.E. – Geotechnical Manager, Sai Eddanapudi, M.E., P.E. - Chief Engineer, Surendra Pathak, P.E.- Senior Geotechnical Engineer, Amanda Linton - Laboratory Testing Supervisor, Van George - Head Driller

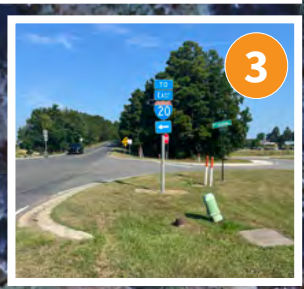


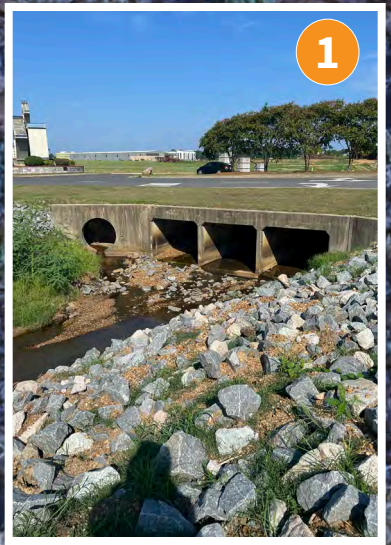
Project Relevance:

- ✓ Geotechnical Explorations (GE)
- ✓ Geotechnical Design (GD)
- ✓ Geotechnical Construction (GC)
- ✓ CMAR
- ✓ Constructability
- ✓ Contract Management (CM)

Existing Constraints Map



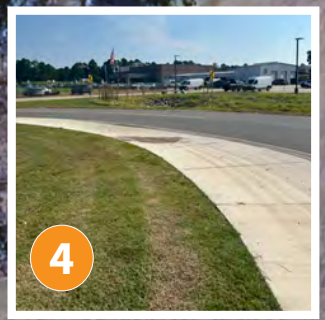




Short Constitution Dr.

Downing Pines Road

Mane Street



Section 18

1. The existing triple barrel box culvert (and outfalls within its wingwalls) will need to be extended and a load rating will be completed.
2. There are existing issues with erosion. We will complete an H&H study and evaluate the scour conditions to propose solutions to resolve this issue.
3. There are overhead power lines, communication fiber optic lines and water lines located north of Downing Pines Rd. Where possible we will avoid impacts to utilities.
4. We are able to realign the approach roadway to provide an acceptable angle of approach at the roundabout without impacting the Dodge dealership parking lot.
5. Our design will not impact the fence along Mane Street. However, the statue in the existing raised median will need to be relocated to provide appropriate roadway geometry.
6. Our project connects to the path recently constructed by DOTD.

18. APPROACH & METHODOLOGY:

Neel-Schaffer, Inc. Proposed Concept Layout (for DOTD consideration)

We appreciate this opportunity to present our qualifications for the Downing Pines Road project. We have proven DOTD roundabout project experience that exceeds the qualifications for the design of the project.

PROJECT BACKGROUND

The project will construct a single lane roundabout at the intersection of Downing Pines and Mane St. This project is being proposed to facilitate increased vehicular traffic flow and improve safety. The project will service the Ike Hamilton Expo Center, a large sports and events complex, hotels, businesses and Restaurant Row. ***We have reviewed the project site, obtained past studies, construction plans and offer our conceptual design for consideration.*** While the final design will be based on the traffic study and future findings, our concept provides the required safety mobility improvement while avoiding impacts, when possible. When not possible, we have provided appropriate mitigation.

1. **Minimizes impact to existing utilities**
2. **Prevents impacts to the existing parking at the Dodge Dealership**
3. **Approach roadway is realigned to provide desired angle of approach, while avoiding communication lines, boxes and other utilities. The existing 38" CMP driveway culvert will require replacement with a longer pipe.**
4. **No impacts to Restoration Park, existing drainage or utilities near this entrance.**
5. **6x8 Triple barrel box culvert will require an extension and load rating. Channel hydraulics will be evaluated and scour issues will be investigated for solutions.**

Existing Conditions: The existing intersection is a two-way stop controlled intersection with a posted speed of 35MPH and an ADT of 10,081 (2022). There is a box triple barrel concrete box culvert with openings that are 8' wide by 6' tall which crosses Downing Pines Road south of the intersection. This box will need to be extended and a load rating will be required for this structure as well. The land use is commercial. DOTD recently completed State Project No. H.013392 which installed a 10ft wide walk along the southwest portion of Mane St. Any pedestrian improvements included in this roundabout project will need to connect to these facilities.

Prior Studies: A Stage 0 study was completed in April of 2024 by Lazenby & Associates, Inc. (our subconsultant) for the City of West Monroe and with coordination with DOTD and the MPO. This study recommended a roundabout. In addition, Gresham Smith completed a corridor study (H.13101), which recommended low-cost safety improvements (striping and signage). This study also recommended that a roundabout be constructed if the issues remained after the completion of these low-cost improvements.

The Lazenby study determined that 16 crashes occurred in a 3 year period (2014-2016). According to this same study DOTD documented 21 crashes from 2019-2021. The layout shown in this project's advertisement was created by Lazenby as part of this study. Neel-Schaffer, Inc. refined this geometry and created our own conceptual design. It is shown on this page.

This is an entity project which will be contracted through DOTD. This project is being funded with the use of EARMARK funds and a 20% local match from the City of West Monroe. This is important because the consultant will need to work with the entity for the successful completion of the project. Submittals will be made both to entity and DOTD for review and comments. A close relationship with the entity can help ensure a seamless completion of contract tasks. Our project team includes, **Kirk Gallien, PE, PTOE**, who will serve as our client Liasson. He has worked on countless projects within the City of Monroe while serving as District Traffic Operations Engineer for DOTD District 05, and District Administrator of Operations for District 05. He continues to work on projects within the City of Monroe and Ouachita Parish while employed at Neel-Schaffer, Inc. Over the past five years he has completed over 13 projects within the city/parish. We will leverage his experience within this area and his client relationships to help ensure the concerns and priorities of the entity are understood and effectively incorporated into the project.

18. APPROACH & METHODOLOGY:

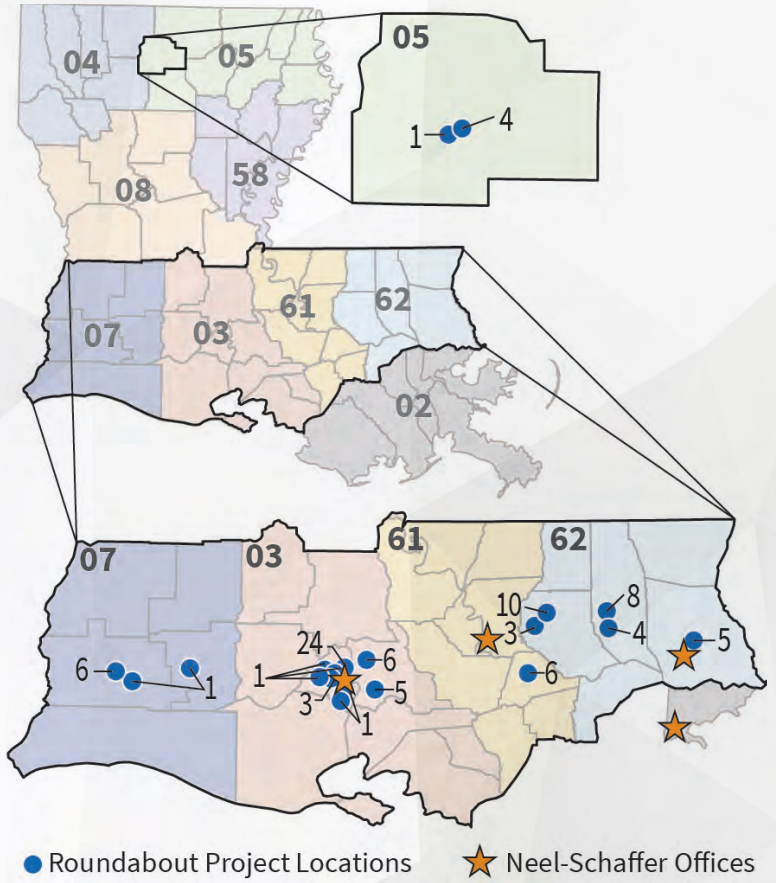
Time savings: The project timeline is sensitive because the **funding must be obligated during 2027**. Our approach will minimize the project schedule by providing coordination with DOTD, the entity and stakeholders to help ensure their needs are met. We will also provide interim submittals to help ensure the project advances as quickly as possible without unnecessary rework. One example of time savings will be our design workshop meeting with DOTD. We will provide DOTD Design Development Engineer Expert, Hoan Dang, PE with our design (dgn) files prior to the submittal of 30% Plans. This will allow for a detailed review of the roundabout geometry before effort is utilized to create plan sheets. We will hold a design workshop meeting with DOTD to discuss the decision-making process for the geometry and to obtain any comments from DOTD regarding the geometry. This approach streamlines the review process, saving all participants time. This allows for the approval of the geometry prior to 30% preliminary plan production.

Project Challenge: The 30% preliminary plans phase is critical for DOTD roundabout projects because the roundabout geometry controls so many design elements. Without this submittal stage, the roadway drainage will be designed based on horizontal and vertical alignments which are subject to change. These types of changes can impact clearances, structure width, drainage inlet spacing, roadway ditch design cross drain lengths and more. **Solution:** We will suggest that full approval of the roundabout geometry from traffic, geometrics and road design be provided at this stage. Some approvals will also be obtained prior to this stage during the design workshop. This is the process we have used for our DOTD roundabout projects and has resulted in time savings and easier project delivery as DOTD is involved early on and their preferences can be incorporated into the design early on without unnecessary rework.

The successful completion of this project will require a team that has extensive experience in the design of roundabouts because geometry greatly impacts their safety and operational performance. Consequently, DOTD dedicated a section in the road design manual to roundabout design (Chapter 6.9). They also frequently request that designers adhere to the guidelines in NCHRP Report 672, Roundabouts: An informational Guide, 2nd edition. This is dedicated to the best practices associated with the design of roundabouts and we have incorporated its recommendations into many of the roundabout projects we have worked on. As mentioned, we have this experience and will utilize it for the successful completion of this project.

Experience matters: We have worked on over 175 roundabout geometry intersections in Louisiana in conformance with DOTD guidelines. This provides proven experience successfully applying the principals of design and sound engineering judgement for projects like Downing Pines Roundabout. Our roadway QA/QC will be completed by **Gary LeBlanc, PE who literally helped write the book on Roundabout Design** while serving on the committee for Chapter 6.9 Roundabout Design of the LADOTD Road Design Manual. This section governs the Geometric Design of roundabouts. We are currently working on five roundabouts near the Downing Pines Rd and Mane Street intersection and have a clear understanding of the needs of the residents in this area.

Neel-Schaffer's Recent Roundabout Experience



Project Specific: This intersection requires realignment to obtain the appropriate intersection approach angles. However, there are numerous utilities within the corridor. In the northwest quadrant there are underground communications fiber optic lines, and the City of West Monroe water lines. Along the northeast there are overhead powerlines, communication fiber optic lines and water lines. South of Downing Pines Road, there is a large drainage canal and triple barrel box culvert. We will balance the realignment to obtain an appropriate intersection approach angle while minimizing impacts to each of these items.

Neel-Schaffer, Inc. has completed a site visit and understands key constraints for the project. These are utilities located on Short Constitution Dr. at Downing Pines Rd.

18. APPROACH & METHODOLOGY:

We will communicate with the PM and help lead the collaboration to move the project forward while addressing these concerns via project design workshops and over the shoulder review sessions. These are proven methods which prevent project delays and provides an efficient use of DOTD's review time.

APPROACH AND METHODOLOGY

Project Kickoff Meeting: NSI will schedule and attend the kick-off meeting with the Project Manager, entity and project team. Communication protocols, project schedule submittal stages and procedures are just a few of the items which will be discussed.

Survey Services: Our team will complete the surveying services, including existing drainage mapping. We will obtain the numbered field survey books from DOTD and a submit 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 DOTD Location and Survey Manual including typical surveying methods as applied by DOTD. This includes all accepted horizontal and vertical control standards as stated in the manual. The DOTD feature table code list and symbols shall be utilized in accordance with the latest edition of the survey feature code guidebook produced by the DOTD Location and Survey Section and Automation.

Project Challenge: The DOTD project advertisement provides surveying limits as part of an exhibit on page 30 of 32. However, it only provides a very small portion upstream and downstream of the triple barrel box culvert that crosses Mane Street (see photo on this page). This channel has existing erosion issues. **Solution:** We will suggest that these limits be extended to capture the upstream and downstream geometry of the channel. We will investigate the existing erosion issues and offer solutions to prevent future issues.

Site Visit & Study of Existing Data: Our team has already conducted an initial site visit to determine the existing site conditions, obtain utility data, and determine potential constraints. We recognize the constraints which exist within the project limits and have highlighted them in the existing constraints map provided on the divider for this section. Our proposed concept considers these constraints. and avoids utilities, minimizes the impacts to the existing drainage crossings and utilizes a geometry which provides the safety and operational benefits associated with well-designed roundabouts.

Triple Barrel Box Culvert under Downing Pines Rd.

Preliminary Plans: Our ***roadway engineering design*** will be completed in conformance with the latest requirements of the LADOTD Roadway Design Procedures and Details, the LADOTD Engineering Directives and Standards (EDSMs), the American Association of State Highway and Transportation Officials (AASHTO) Policy on Geometric Design of Highways and Streets, and AASHTO Roadside Design Guidelines. We will provide plans created utilizing CADConform and in compliance with the DOTD CAD standards. Our roadway design will be completed with the use of Power InRoads V8i (SS2) and our construction cost estimates will utilize current DOTD standard bid items and the DOTD's Bid history estimate tool, with consideration for the project location and magnitude of items. This is important due to the unstable, escalating construction costs.

Project Specific: Based on discussions with the Project Manager, it is not anticipated that this project will require bridge design. However, there are existing erosion issues along this segment of the channel. We recommend (if DOTD agrees) a high-level evaluation of what structure type would work best for the proposed design. We will consider the cost, impacts and environment (scour and hydraulics) in this evaluation. The final decision would be with the approval of DOTD and the Entity. Should a bridge be required, our bridge design will follow the *AASHTO LRFD Bridge Design Specifications, LADOTD Bridge Design and Evaluation Manual, LADOTD Bridge Design Technical Memoranda* and other pertinent design guidance. The Neel-Schaffer design team will ensure that both roundabout designers and bridge design teams communicate early and often in the design process as the roundabout geometry will directly affect the design. This along with the bridge's/box culvert condition, hydraulic capacity and scour will be analyzed during our team's preparation of a comprehensive bridge evaluation report.

Project Specific: It is critical that this roadway remain open during construction. Therefore, the roundabout will be constructed using phased construction. Phase 1 will allow traffic to remain on the existing roadway while the outer portion of the roundabout is constructed. Then traffic will be shifted to the outer portions and the inside of the roundabout will be constructed. We have experience with this approach on numerous roundabout projects. The divider page for Sections 19-23 shows an example of one of our projects which is currently under construction.

If a bridge is desired, the bridge design criteria and early geometric layout will be determined, the Type, Size and Location (TS&L) submittal of the bridge structure, characterized in report format including any structure alternatives which are feasible and a recommended TS&L. The bridge design team will coordinate with the geotechnical engineers early to have borings taken and logs completed, submitted, and approved prior to the completion of preliminary bridge plans.

Our ***roadway drainage design*** will be completed in conformance with the DOTD Hydraulics Manual. We will utilize LADOTD HydroWIN software for open channel flow (Hydro1140), inlet spacing (Hydro6000), analysis of culverts (Hydro1120) and storm sewer system design (Hydro6020). Our staff will complete the bridge/culvert hydraulic design utilizing HEC-RAS to model the water surface profiles and calculate the bridge scour depth. One example of our roadway drainage capabilities is H.011235.5 I-49 @ Verot, NSI designed over 8 miles of roadside drainage systems which consisted of 4 lines along the 2+ mile interstate and frontage roads with capacity for the 100 year storm to meet railroad requirements.

Environmental Clearances and Permits: The DOTD PM has indicated that Entity will obtain the environmental clearances and obtain any required permits. If desired, NSI will provide all required supporting documents (including but not limited to) permit drawings, such as 404 permits, which typically are letter size and should be produced separately from design plans due to the difference in scale.

The **30% preliminary submittal.** We will include the title sheet, typical sections and roadway plan and profile sheets with existing topography shown. In addition to the standard 30% preliminary plan sheets, we will provide geometric details (which is our unique approach) to allow for a full review of geometry prior to the start of drainage design. This was the process we used in our LA 101 at US 190 roundabout project for DOTD which will allow the drainage and other elements to proceed only after the geometry is fully approved.

60% Preliminary Plans: Our 60% preliminary plan set will include all the sheets previously submitted but in more detail. In addition, the existing drainage map, proposed drainage map, drainage plan

18. APPROACH & METHODOLOGY:

and profiles, geometric details, cross sections, preliminary design report, construction notes and details, superelevation diagrams, foundation layouts, construction phasing and traffic control details, and the drainage report will be submitted at the 60% preliminary plan milestone. This phase typically begins with the utility relocation recommendation phase, establishing preliminary right-of-way takings. We will refine the geometry submitted during the 30% Preliminary Plan submittal to address comments and model the corridor utilizing Power InRoads (SS2), the pavement section and the topo dtm file. We will create InRoads templates and check for the required construction and hydraulic clearances. The Draft TMP will be completed at this time and in accordance with DOTD EDSM No.VI.1.1.8 and FHWA's guidance manual Developing and Implementing Transportation Management Plans for Work Zones. The drainage design and report will be completed during this phase. Our drainage design will comply with the DOTD Hydraulics Manual and will utilize DOTD's HYDRWIN software. The roadway drainage system will be designed utilizing the rational method for a 10-year design storm. Property maps will start once 60% preliminary plans are completed.

90% Preliminary Plans and 95% Preliminary Plans/Plan-In-Hand (PIH): The Plan submittal will include all of the sheets and documents previously submitted but in more detail. This submittal will also include the summary of estimated quantities sheets (pay items only) and the suggested sequence of construction sheets. All bridge plan sheets continue to be developed at the 90% Preliminary Plan stage with the addition of the pile loads if a standard plan bridge is being utilized. If the bridge is non-standard, pile load development will begin in Final Plans. The comments from the 60% Preliminary Plans will be addressed, preliminary right-of-way taking lines will be completed. The Preliminary QA/QC checklist and Plan-In-Hand Checklist will be completed during this phase. We will attend and summarize comments of the PIH meeting.

100% Preliminary Plans: This plan set will address any comments from the PIH. Preliminary cost estimate, permit sketches and final right-of-way is provided to Location and Survey during this phase. We will provide the Final Design Report with this submittal. Should revisions to one or more design criteria be required after this phase, we will submit a Revised Design Report with a brief description of the revision.

Final Plans: Once preliminary plans are approved by DOTD, an environmental decision is received, and a notice-to-proceed with final plans has been issued, we will begin preparing the 60% Final Plans.

60% Final Plans: We will submit updates of the deliverables included in the prior plans. Right-of-way maps will be prepared so that the joint plan review meeting can be held. If applicable, superelevation diagrams will be reviewed again against final bridge geometry. Non-standard specifications (if required) will be provided. Final Bridge Plans will include the development of plans and details for the substructure and superstructure including bent details, span details, approach slabs, pile loads & tables, joint and bearing details, bridge barrier rails and guardrail. As – Designed Bridge Rating Reports will also be provided. The Final TMP will be submitted before the 95% Final Plans, with updates to address DOTD comments and changes which may have been made to the sequence of construction plans since the Draft TMP was submitted.

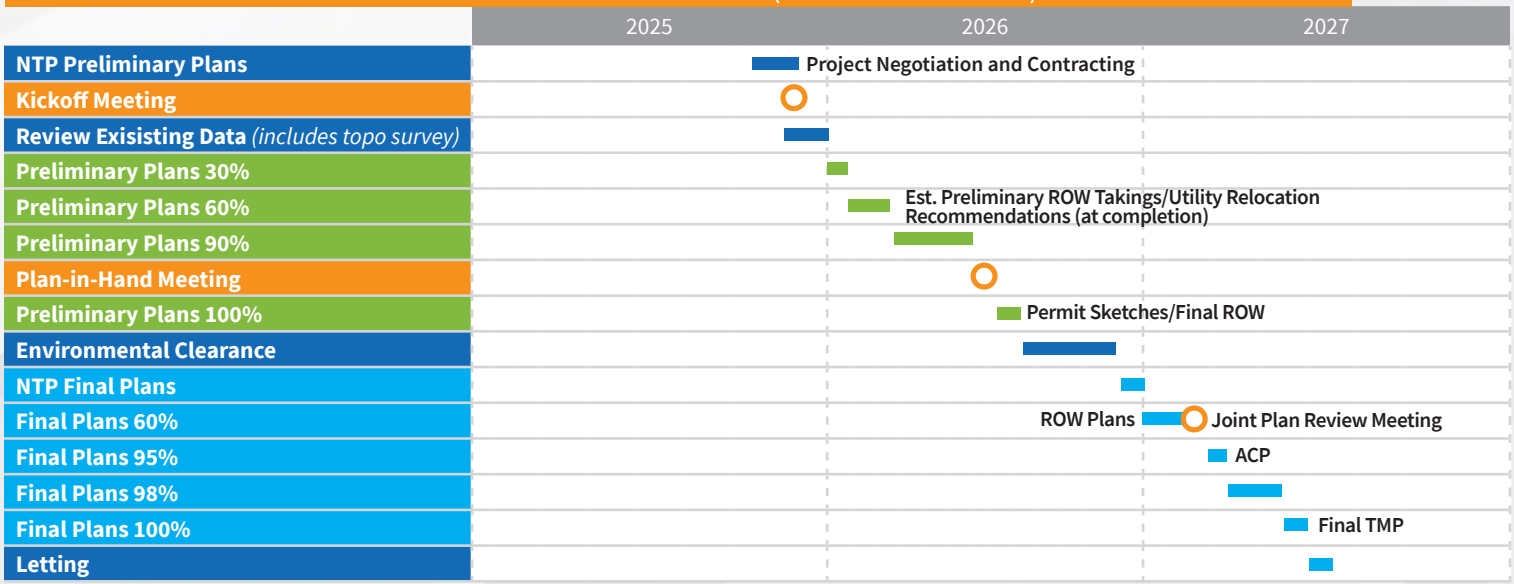
95% Final Plans: We will revise the preliminary cost estimate, complete the constructability review form and the Final Plans QA/QC Form during this phase. DOTD will review the Advance Check Prints (ACP).

98% Final Plans: We will address the ACP comments and complete the final cost estimate, provide the SWPPP form, NOI form, and provide the DOTD Contract Time Worksheet. During this phase, the Plan Quality Unit will review and once approved, we will produce the 100% Final Plan Set for the Chief Engineer's Signature. We will also provide the Final Stamped and Signed copy of the Design Report.

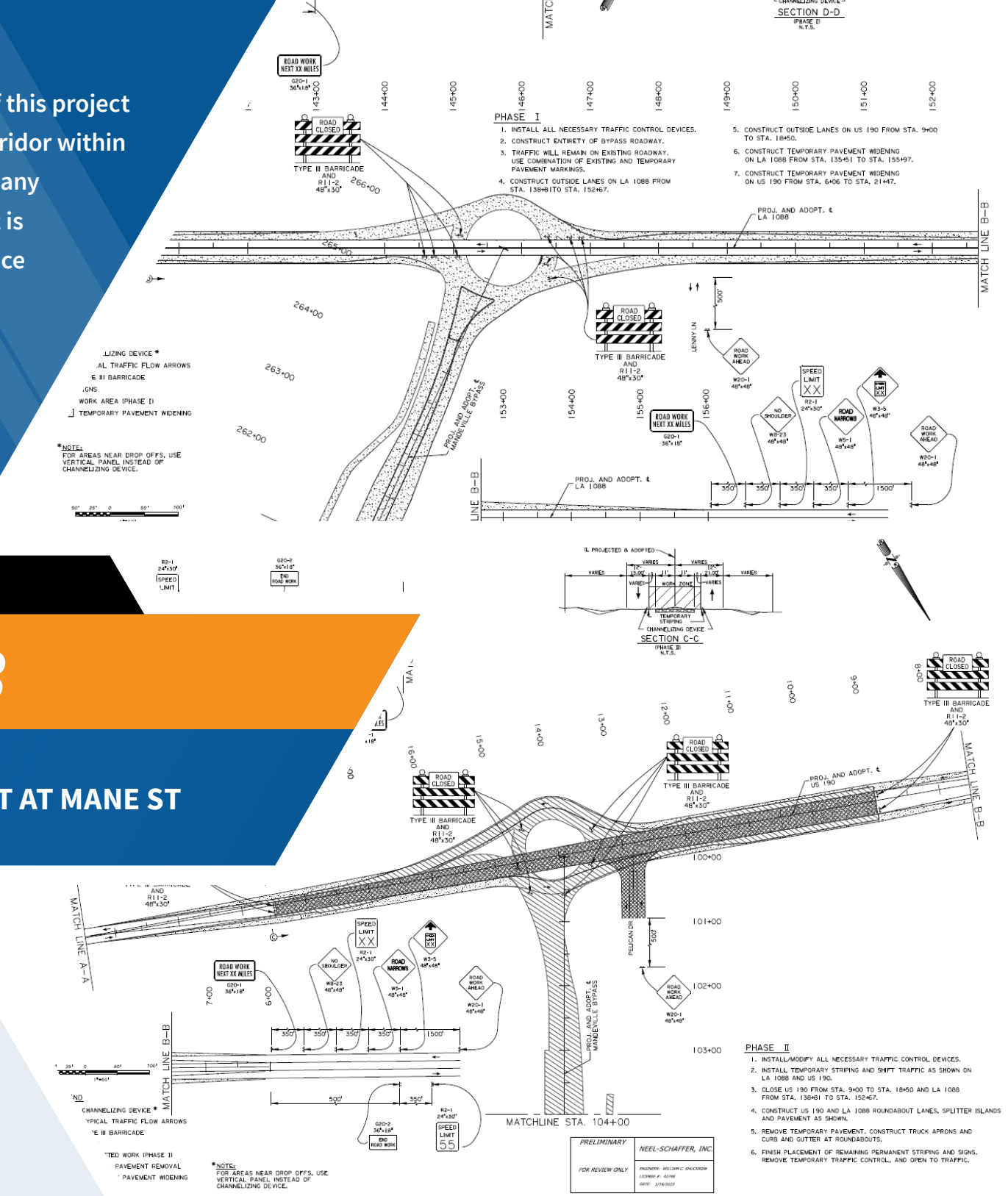
100% Final Plans: We will submit 100% signed Final Plans (Full Size Plan Set with Mylar Title Sheet) along with an electronic submittal. During this phase, the plans are transmitted to General Files.

Construction Support: Our engineering support during construction will provide critical services to help ensure the successful completion of the construction phase. We will review the bids for irregularities and conformance with DOTD's acceptable overrun and underrun from the estimated construction cost. We will review shop drawings, respond to RFI's within 48 hrs and assist with information meetings with a 24 hour notice. We will provide design corrections to minor design changes within 7 calendar days.

ANTICIPATED PROJECT SCHEDULE (*Exact Schedule TBD*)



Another key to the successful completion of this project is maintenance of traffic. This is a major corridor within Ouachita Parish which provides access to many residential developments and development is anticipated to grow. We will provide sequence of construction plans which maintains the existing number of lanes, like we have done for many of our projects including the LA 1088 roundabout in St. Tammany Parish. Two phases are shown on this page.



Sections 19-23

Contract No. 4400032380

DOWNING PINES RD: ROUNDABOUT AT MANE ST
OUACHITA PARISH

19. WORKLOAD:

Firm(s)	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)	$46,821
	ITS	4400010428 EWL 3, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	$805
	Traffic	4400010428 EWL 6, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	n/a
	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	$72,185
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	n/a
	ITS	440005459, H.004780.5	Kansas Lane Connector, S.A. #6	$552
	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	$130,966
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	$10,547
	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	$54,445
	Planning	4400018271, H.014746.1	LA 383 Corridor Study	$93,741
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	$6,170
	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	$33,740
	Road	4400024927, H.015226.5, S.A. #2	US 90: Roundabout at LA 101, S.A. #2 (on hold and should not count as backlog)	$62,647
	Traffic	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	$71,946
	Traffic	4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	$52,589
	Traffic	4400025299, H.016168.1	Baton Rouge Northern Bypass Expressway	$419,673
	Road	4400024927, H.014366.5	LA 621 Realignment at LA 73 (on hold and should not count as backlog)	$325,925
	Traffic	4400024927, H.014366.5	LA 621 Realignment at LA 73 (on hold and should not count as backlog)	$68,011
	Traffic	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	$112
	Planning	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	$5,318
	Road	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet (awaiting NTP for design and should not count as backlog)	$156,280
	Road	4400024927, H.009425.5	LA 16: N 2nd St. to E. of Duncan Ave. (on hold and should not count as backlog)	$150,429

19. WORKLOAD:

Firm(s)	Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Neel-Schaffer, Inc.	Traffic	4400025299, H.015986.5	I-49 at LA 3233 (Harry Gilbeau Road) Traffic Study	$80,675
	Road	4400028434, H.015568.5	LA 44: Pelican Point Roundabout and Widen	$88,844
	Traffic	4400023689, H.015574.5	LCG FYA Signal Improvements Phase 2	$207,261
	Other (Program Management)	4400027987, H.015373.1	LRSP and SRTPP Program Management	$910,500
	Road	4400024927, H.016158.5	LA 182: Greenwood St. Overpass	$83,005
	Traffic	4400028585, H.014516.5	Mills Ave & Rees St Intersection Imp	$97,301
	Safety	4400023689, H.015227. S.A. #1	US 51 at Victoria Dr. Ped Crossing, S.A. #1	$23,323
	ITS	4400029436, H.011504.6	Alexandria Phase 2 Technical Support	$33,611
	ITS	4400029436, H.016447.1	DMS Decom & Upgrades SEA	$99,329
	CE&I/OV	4400029441, H.011446.6	Mound Rest Area Renovations	$82,692
Crescent Engineering & Mapping, LLC	Road	44-24591; H.014992	McHugh Road Over Brushy Bayou	$2,323
	Bridge	44-24591; H.014992	McHugh Road Over Brushy Bayou	$995
	Planning	44-27180; H.015920	Transportation Alternatives Program (T.O. #2) Delta Trail Study	$363,511
	Road	44-25035; H.014984	Libuse Cutoff Road Over Flagon Bayou	$7,073
	Bridge	44-25035; H.014984	Libuse Cutoff Road Over Flagon Bayou	$10,610
	Road	44-28434; H.015568	LA 44: Pelican Point Roundabout and Widen	$166,146
	Bridge	44-28434; H.015568	LA 44: Pelican Point Roundabout and Widen	$56,192
	Survey	44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	$171,632
	Road	44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	$379,580
	Bridge	44-27735; H.014054	I-69 Frtg. Rd. Conn. (Ellerbe Rd. to LA 1)	$119,262
	Survey	44-30378; H.015560	IDIQ Contract for Design Services Statewide with Majority Work in Districts 61/62 (T.O. #1) LA 986: LA 1 - Jefferson Avenue	$41,449

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Lazenby & Associates, Inc.	Road	4400010428 H.004774.5 (L&A, Inc. 17E051.00)	Kansas-Garrett Connector & I-20 Improvements, Ouachita Parish (Road Design-Urban & Rural Design-Controlled Access) (98% Complete)	$295,291
		4400026026 (L&A, Inc. 23E055.00)	IDIQ Contract for Roadway Design Safety Statewide	N/A
		Task Order No. 1 S.P.N. H.009837.5 (L&A, Inc. 23E055.01)	LA 64: Roundabout @ LA 1019 Routes: LA 1019, LA 64 Livingston Parish (20% Complete)	$140,589
		Task Order No. 2 S.P.N. H.015231.5 (L&A, Inc. 23E055.02)	US 80 Roundabout @ US 80, LA 15 & LA 546 Routes: US 80, LA 15 & LA 546 Ouachita Parish (18% Complete)	$261,592
		Task Order No. 3 S.P.N. H.016037.5 (L&A, Inc. 23E055.03)	LA 1138-1 & LA 1138-2: Corridor Improvements Calcasieu Parish	$371,050
		Task Order No. 4 S.P.N. H.015615.5 (L&A, Inc. 23E055.04)	LA 14: Roundabout @ Corbina Road Route: LA 14 Calcasieu Parish	$349,861
		4400026913 (L&A, Inc. 23E088.00)	IDIQ Contract for the Design of Safety Projects with Majority of Work in District 04, 05& 58, Statewide	N/A
		Task Order No. 1 S.P.N. H.015200.5 (L&A, Inc. 23E088.01)	East Street & Parkview Drive Sidewalk (Monroe) Ouachita Parish (20.89% Complete)	$90,481
		Task Order No. 2 S.P.N. H.016208.5 (L&A, Inc. 23E088.02)	Shephard St. Sidewalks (Minden) Webster Parish	$4,000
		Task Order No. 4 S.P.N. H.016190.5 (L&A, Inc. 23E088.04)	LA 4 & US 167: Sidewalks (Jonesboro) Jackson Parish	$1,000
		Task Order No. 5 S.P.N. H.016192.5 (L&A, Inc. 23E088.05)	US 425 & Arkansas St. Sidewalks (Ferriday) Concordia Parish	$2,025
		Task Order No. 6 S.P.N. H.016258.5 (L&A, Inc. 23E088.06)	Local Road Striping & Signing (Monroe) Ouachita Parish	$640
		Task Order No. 7 S.P.N. H.016259.5 (L&A, Inc. 23E088.07)	Local Road Signal Improvements (Monroe) Ouachita Parish	$1,350

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Lazenby & Associates, Inc.	Road	4400031585 (L&A, Inc. 25E051.00)	IDIQ Contract for Pavement Preservation Design Service – Statewide with Majority of Work in District 05	N/A
		Task Order No. 1 S.P.N. H.015868.5 (L&A, Inc. 25E051.01)	LA 507: Bienville P/L to LA 815 Lincoln Parish (30% Complete)	$147,034
	Bridge	4400025025 (L&A, Inc. 22E048.00)	Infrastructure Investing & Jobs Act (IIJA) Off-System Bridge Program – District 05 (13 Off-System Bridge Structures) (82% Complete)	N/A
		H.015463.5 (L&A, Inc. 22E048.13)	White Oak Landing Over Edmonds Creek Union Parish Off-System Bridge (99.09% Complete)	$1,750
		H.015462.5 (L&A, Inc.22E048.12)	Pilgrim Rest Church Road Over Steep Bank Creek Union Parish Off-System Bridge (90.37% Complete)	$18,912
		H.015461.5 (L&A, Inc. 22E048.11)	Firetower Road Over Rock Creek Union Parish Off-System Bridge (88.02% Complete)	$18,512
		H.015454.5 (L&A, Inc. 22E048.04)	Keppler Creek Road Over Sugar Creek Jackson Parish Off-System Bridge (89.16% Complete)	$18,812
		H.015455.5 (L&A, Inc. 22E048.05)	Spring Creek Road Over Wafer Creek Lincoln Parish Off-System Bridge (76.01% Complete)	$41,812
		H.015457.5 (L&A, Inc. 22E048.07)	Olen Hughes Road Over Bayou Bonne Idee Morehouse Parish Off-System Bridge (67.55% Complete)	$16,881
		H.015458.5 (L&A, Inc. 22E048.08)	Oscar Lum Road Over Williamson Creek Morehouse Parish Off-System Bridge (73.49% Complete)	$13,763
		H.015337.5 (L&A, Inc. 22E048.01)	Mineral Springs Road Over Clark Creek Ouachita Parish Off-System Bridge (84.44% Complete)	$24,937
		H.015459.5 (L&A, Inc. 22E048.09)	Lapine Road Over Rogers Creek Ouachita Parish Off-System Bridge (88.20% Complete)	$17,700
		H015460.5 (L&A, Inc. 22E048.10)	Little Road Over Creek Richland Parish Off-System Bridge (82.00% Complete)	$17,500
		H.015453.5 (L&A, Inc. 22E048.03)	Hale Road Over Alligator Bayou West Carroll Parish Off-System Bridge (71.97% Complete)	$47,346
		H.015456.5 (L&A, Inc. 22E048.06)	Hodge Road Over Cypress Bayou Madison Parish Off-System Bridge (66.61% Complete)	$56,098
		H.015452 (L&A, Inc. 22E048.02)	Henderson Loop Road Over Wildcat Bayou East Carroll Parish (Authorized) (0% Complete)	$151,115

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Lazenby & Associates, Inc.	Bridge	4400021887 (L&A, Inc. 21E071.00)	Contract for Replacement of Fifteen (15) Bridges, Multiple State Project Number, District 08(21% Complete)	N/A
		H.012047 (L&A, Inc. 21E71.01)	US 167 Bridge & US 167 Bridge Relief Over Big Creek Winn Parish	$361,435
		H.012542 (L&A, Inc. 21E071.02)	LA 114 Bridge Over Belle Deau Bayou LA 107 Bridge Over Bayou Jack Relief Avoyelles Parish	$183,440
		H.012543 (L&A, Inc. 21E071.03)	LA 8 Bridge Over Big Creek Grant Parish	$101,080
		H.012544 (L&A, Inc. 21E071.04)	LA 120 Bridge Over Creek LA 120 Bridge Over Bayou Scie Relief No. 1	$408,940
	Survey	4400019714 (L&A, Inc. 20S038.00)	IDIQ Contract for Hydrographic Surveying Services – Statewide with Majority of Work in Districts 04, 05, 08 & 58 (50.31% Complete) No Active Task Orders At This Time (T.O. #10 – 100% Complete) (Contract Expires in Nov, 2025)	N/A
		4400021972 (L&A, Inc. 21S063.00)	IDIQ Contract for Topographic Surveys (None – NHS Surveys)(51% Complete)	N/A
		4400027916 (L&A, Inc. 24S014.00)	IDIQ Contract for Professional Boundary Surveying Services – Statewide with Majority of Work in Districts 04 & 05 (0.05% Complete)	N/A
		Task Order No. 2 S.P.N. H.009837.5 (L&A, Inc. 24S014.02)	LA 64: Roundabout @ LA 1019 Livingston Parish (30% Complete)	$40,384
		4400027917 (L&A, Inc. 24S015.00)	IDIQ Contract for Professional Boundary Surveying Services – Statewide with Majority of Work in District 08 & 58 (30.49% Complete)	N/A
		4400027735 (L&A, Inc. 23E099.00)	I-69 Frontage Road Connector Caddo Parish	N/A
		S.P.N. H.005184 (L&A, Inc. 23E099.01)	Stonewall Fryerson to Ellerbe Road Caddo Parish (10.07% Complete)	$853,543
		4400027687 (L&A, Inc. 24E052.00)	IDIQ Contract for Hydrographic Surveying Services Statewide (North Region)	N/A
		Task Order No. 1 S.P.N. H.008768.5 (L&A, Inc. 24E052.01)	Hydrographic Surveying Monitoring (North Region)	$70,458

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
APS Engineering and Testing, LLC	CE&I/OV	4400024653/ H.01254.6	Wiggins Bayou Bridge	$37,790
	Geotech	4400019337/ H.014247	LA 399 Bridges Near Fullerton	$24,307
	Geotech	4400019337/ H.014245	LA 119; Bayou Pierre & Creek Bridges	$23,654
	Geotech	4400024653/ H.014982.5	Marathon Rd over Dry Creek	$25,056
	Geotech	4400019011/ H.012068.5	LA 1026 Creek Bridge	$12,900
	Geotech	4400024653/ H.014978.5	Bellard Loop over Untamed Drainage Ditch	$28,545
	Geotech	4400024653/ H.016323.5	LA 37 Glass Branch Bridge	$6,431
	Geotech	4400024653/ H.016326.5	LA 36 Drain Bridge Pearl	$11,451
	Geotech	4400024653/ H.016322.5	LA 81: W-11 Lateral & Bayou Black Bridges	$15,804
	Geotech	4400024653/ H.016312.5	LA 3116 Creek Bridges	$20,014
	Geotech	4400024653/ H.004005.5	I-10 LA415 to Essen Lane on I-10 and I-12	$55,900
	Geotech	4400024653/ H. 016321.5	LA 970 Creek Bridge	$5,123
	Geotech	4400024653/ H.016311.5	LA 1123 Box Culvert Creek Bridge	$22,194
	Geotech	4400024653/ H.016324.5	LA 1047 Drain Bridge	$6,946
	CE&I/OV	4400024653/ H.014560.6	LA-94 Vermillion River Bridge	$33,507

20. CERTIFICATIONS/LICENSES:

SEE ATTACHED

State of Louisiana
Secretary of State

COMMERCIAL DIVISION
225.925.4704

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

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

Previous Names

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

Domicile Address
4450 OLD CANTON ROAD
SUITE 100
JACKSON, MS 39211

Mailing Address
4450 OLD CANTON ROAD
SUITE 100
JACKSON, MS 39211

Principal Business Office
4450 OLD CANTON ROAD
SUITE 100
JACKSON, MS 39211

Registered Office in Louisiana
450 LAUREL STREET, 8TH FLOOR
BATON ROUGE, LA 70801

Principal Business Establishment in Louisiana
450 LAUREL STREET
8TH FLOOR
BATON ROUGE, LA 70801

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 4/25/1983
Last Report Filed: 4/3/2025
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

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

Officer(s)

Additional Officers: No

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

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

Officer: K. NELSON LUCIUS
Title: Director
Address 1: 2501 AVENUE J,
Address 2: #120
City, State, Zip: ARLINGTON, TX 76006

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

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

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

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

Amendments on File (17)

Description	Date
Disclosure of Ownership	2/2/1995

Disclosure of Ownership	4/8/1996
Disclosure of Ownership	4/19/1999
Stmt of Chg or Chg Prin Bus Off	12/6/2002
Disclosure of Ownership	11/20/2003
Disclosure of Ownership	6/7/2012
Stmt of Chg or Chg Prin Bus Off	11/9/2012
Appointing, Change, or Resign of Officer	5/24/2013
Appointing, Change, or Resign of Officer	5/24/2013
Stmt of Chg or Chg Prin Bus Off	5/24/2013
Appointing, Change, or Resign of Officer	7/22/2014
Stmt of Chg or Chg Prin Bus Off	9/8/2015
Stmt of Chg or Chg Prin Bus Off	9/18/2015
Stmt of Chg or Chg Prin Bus Off	12/28/2015
Appointing, Change, or Resign of Officer	8/3/2017
Disclosure of Ownership	8/5/2019
Stmt of Chg or Chg Prin Bus Off	9/1/2023

Print

20. CERTIFICATIONS/LICENSES:

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

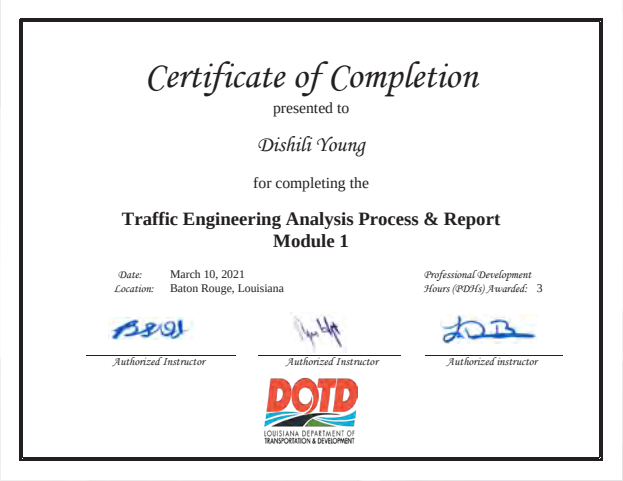
Traffic Engineering Analysis Process & Report
Module 3

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

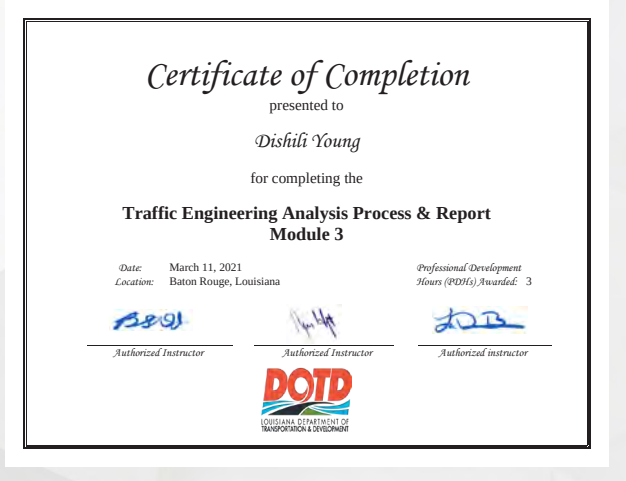
Traffic Engineering Analysis Process & Report
Module 2

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

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

Certificate of Completion

presented to

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

Certificate of Completion

presented to

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

Certificate of Completion

presented to

Dishili Young

for completing the

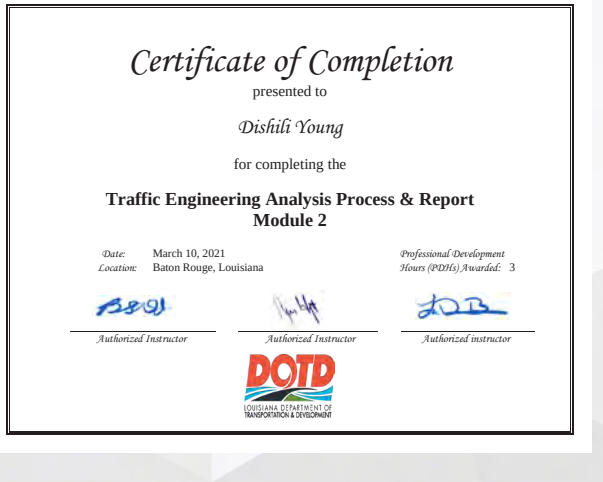
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Dishili Young

for completing the

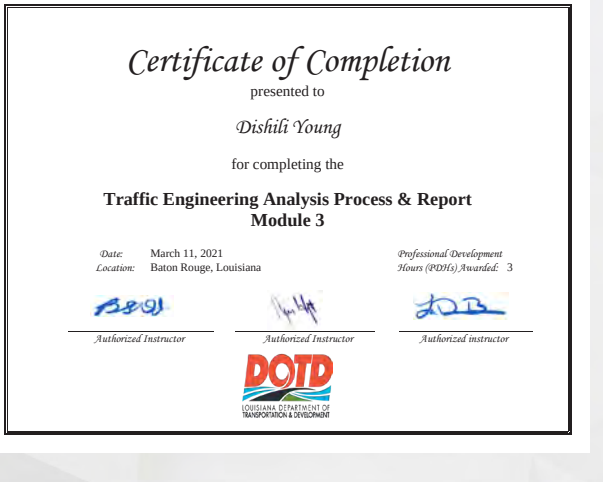
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Dishili Young

for completing the

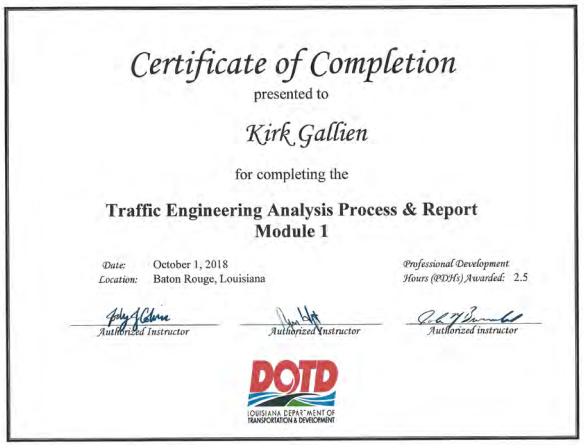
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Kirk Gallien

for completing the

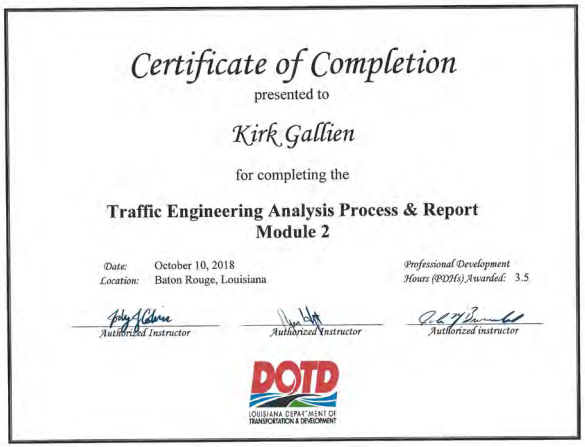
Traffic Engineering Analysis Process & Report
Module 1

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

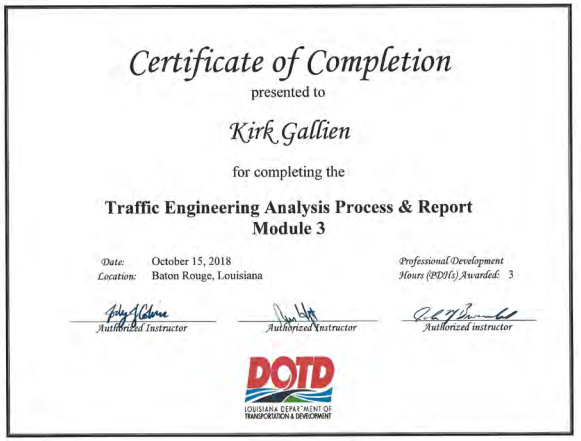
Traffic Engineering Analysis Process & Report
Module 2

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

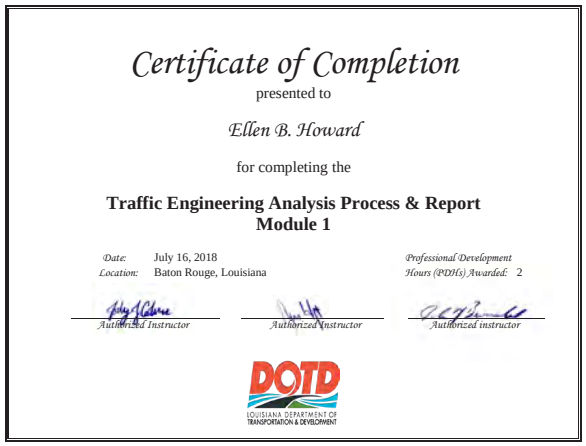
Traffic Engineering Analysis Process & Report
Module 3

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



Certificate of Completion

presented to

Ellen B. Howard

for completing the

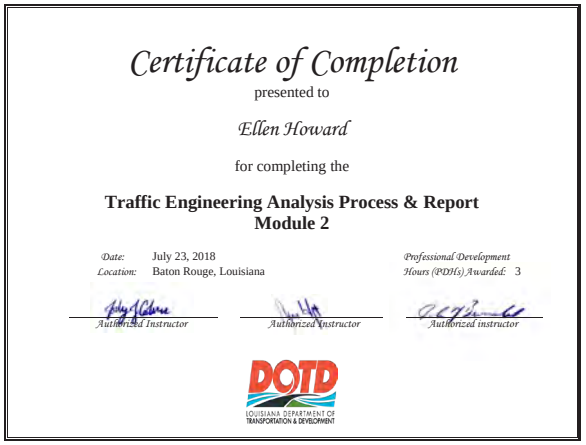
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Ellen Howard

for completing the

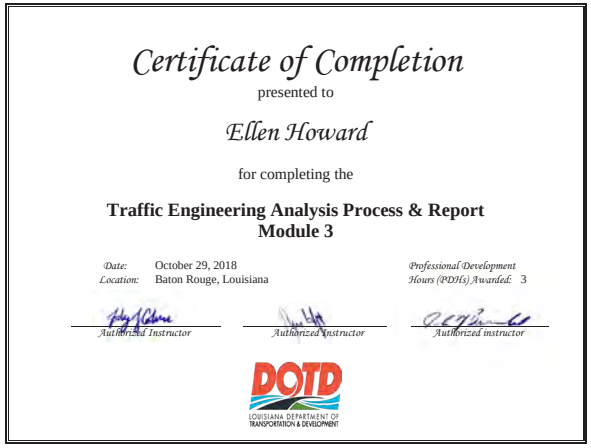
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Ellen Howard

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development

Certificate of Completion

presented to

Jonathan Duhe

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Jonathan Duhe

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Jonathan Duhe

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

William Case Fulcher

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

William Fulcher

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

William Fulcher

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AASHTO

APS Engineering and Testing, LLC.

in

Baton Rouge, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).

John Tymon,
AASHTO Executive Director

Matt Linneman,
AASHTO COMP Chair

MTC
MATERIALS TESTING CENTER

USACE CERTIFICATE
OF
LABORATORY VALIDATION

APS
1645 Nicholson Drive
Baton Rouge, LA,
Sergio Aviles
(225) 456-5714

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:
09 MAY 2022 AT 15:40 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 12/01/2023

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: https://mtc.erdc.dren.mil

Chad A. Gartrell, PE, Director
USACE Materials Testing Center
Vicksburg, Mississippi, USA

DEQ
LOUISIANA

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to

LELAP
Louisiana Environmental Lab Accreditation Program

APS Engineering and Testing LLC
1645 Nicholson Dr
Baton Rouge, Louisiana 70802

Agency Interest No. 182994
Activity No. ACC20250001

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:I.4711.

Tonya Landry
Administrator
Public Participation and Permit Support Division

Issued Date: 5/14/2025
Effective Date: July 1, 2025
Expiration Date: June 30, 2026
Certificate Number: 05100

RTA

DOTD

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

APS Engineering and Testing, LLC

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

NC221310, NC221320, NC541330, NC541370, NC541380, NC541620, NC541690

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

Certificate Eligibility: October 2024 to October 2025

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

Rhonda Wallace, DBE/SBE Programs Manager
Louisiana Department of Transportation & Development

LED LOUISIANA ECONOMIC DEVELOPMENT

DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that:

A P S Engineering and Testing, LLC

is Certified Active as a Small Entrepreneurship with Louisiana Economic Development's Hudson Initiative

This certification is valid from 5/9/2025 to 5/8/2026

Certification No. 9074

Stephanie Hartman,
Director, Entrepreneurial Services

BR

CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

APS ENGINEERING & TESTING, LLC.

has successfully completed the requirements approved by the City of Baton Rouge, Parish of East Baton Rouge and is therefore awarded this

CERTIFICATE OF SEDBE CERTIFICATION

JULY 21, 2023

PROOF OF CERTIFICATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Surendra Pathak

has demonstrated a thorough knowledge of the standards, guidelines and practices of traffic control in highway construction and maintenance work areas; has completed all the requirements of the American Traffic Safety Services Association Certification Program to the satisfaction of the Certification Board; and is hereby awarded the designation of:

Traffic Control Supervisor

This certified individual is fully entitled to all the rights and privileges associated with this designation. This certificate will remain in effect until the expiration date noted herein unless otherwise revoked by action of the Certification Board.

Issue Date: 12/29/2022
Expiration Date: 12/29/2026
Certification #: 440578

Vice President of Education and Technical Services

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Sergio Aviles
has attended
Traffic Control Technician Virtual Training
Training Course

1/24/2023 to 1/24/2027
Training Valid Through

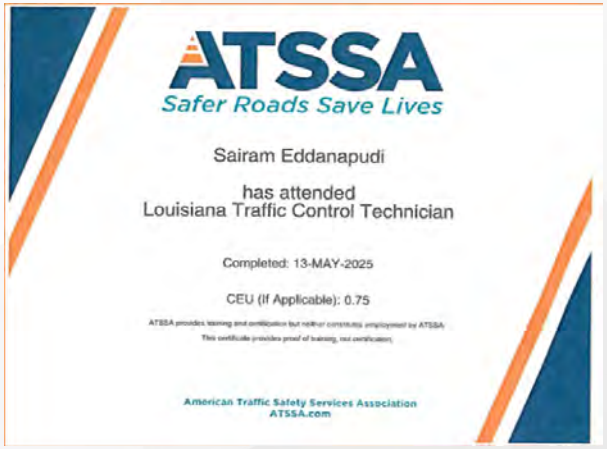
CEU: 0.75

Location

Director of Training

President, CEO

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



ATSSA

Safer Roads Save Lives

Sairam Eddanapudi

has attended
Louisiana Traffic Control Technician

Completed: 13-MAY-2025

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association
ATSSA.com

ATSSA American Traffic Safety Services Association

This is to affirm that

Sergio Aviles

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 12/7/2022
Exp. Date 12/6/2026
State Issued Louisiana
A1000114707

ATSSA
Instructor Name
Instructor Signature

Verify at Flagger.com

ATSSA American Traffic Safety Services Association

This is to affirm that

Surendra Pathak

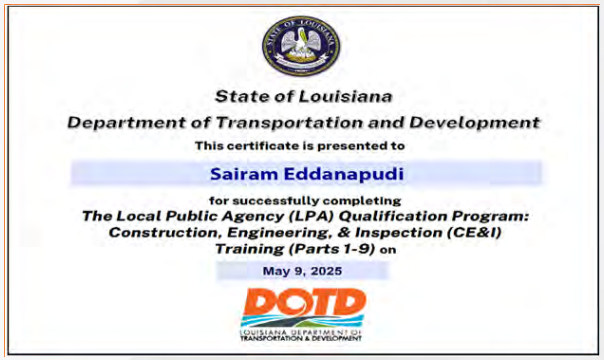
has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date: 1/29/2025
Exp. Date: 1/28/2029
State Issued: Louisiana
A1000282129

ATSSA
Instructor Name
Instructor Signature

Verify at Flagger.com



State of Louisiana

Department of Transportation and Development

This certificate is presented to

Sairam Eddanapudi

for successfully completing
***The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9)* on**

May 9, 2025

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

State of Louisiana

Department of Transportation and Development

This certificate is presented to

Sergio Aviles

for successfully completing
***The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9)* on**

May 5, 2025

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TEMPORARY CERTIFICATE IS AWARDED TO

VAN GEORGE

Has successfully completed a flagger training course meeting the requirement of the

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

on the following date

AUG 07, 2025

This certificate is valid for 30 days from completion date

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Van George
has attended
Louisiana Traffic Control Technician
Training Course

9/5/2023 to 9/5/2027
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services

President, CEO

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

LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Sergio L. Aviles

License/Certificate Type - Number

PE.0033571

Status: Active Exp Date: 03/31/2026

LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Surendra Raj Pathak

License/Certificate Type - Number

PE.0043487

Status: Active Exp Date: 09/30/2025

LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Sairam Venkata Eddanapudi

License/Certificate Type - Number

PE.0035129

Status: Active Exp Date: 03/31/2026

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
APS Engineering and Testing, LLC	Mr. Sergio Aviles 5261 Highland Road, PMB 320 Baton Rouge, Louisiana 70808

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0005198	Active	11/29/2012	03/31/2027	Mr. Sergio L. Aviles # PE.0033571

Name	Type	City	Status
APS ENGINEERING AND TESTING, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: APS ENGINEERING AND TESTING, LLC
Charter Number: 40911984K
Registration Date: 8/9/2012

Domicile Address

1645 NICHOLSON DR
BATON ROUGE, LA 70802

Mailing Address

5261 HIGHLAND RD. #320
BATON ROUGE, LA 70808

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 8/9/2012
Last Report Filed: 7/15/2025
Type: Limited Liability Company

Registered Agent(s)

Agent: SERGIO AVILES
Address 1: 5261 HIGHLAND RD. #320
City, State, Zip: BATON ROUGE, LA 70808
Appointment Date: 6/25/2018

Officer(s) **Additional Officers: No**

Officer: SERGIO AVILES
Title: Member
Address 1: 5261 HIGHLAND RD. #320
City, State, Zip: BATON ROUGE, LA 70808

21. QA/QC PLAN:

SEE ATTACHED

CRESCENT
ENGINEERING & MAPPING LLC

in association with

NEEL-SCHAFFER
Solutions you can build upon

LADOTD CONTRACT No. 44-32380

S.P. No. H.016019.5
F.A.P. No. H016019
Downing Pines Rd: Roundabout At Mane St
Route: Downing Pines Rd & Mane St
Ouachita Parish

BRIDGE DESIGN QC/QA PLAN

September, 2025

Table of Contents

Introduction

Crescent Engineering & Mapping, LLC (Crescent) understands that proper QC/QA is vital to the success of any bridge project. When a clearly outlined, known and repeatable process is followed by a team of bridge designers and technicians, design errors are eliminated, and plan accuracy is greatly enhanced. These QA/QC procedures and guidelines have been developed to ensure that bridge design team develops and accurately confirms that the project's design and resulting drawings meet LADOTD and AASHTO criteria and are in accordance with the requirements of the Contract. LADOTD's Bridge Design and Evaluation Manual requires that the Department's Policy for Quality Control and Quality Assurance is followed for all LADOTD projects. This QC/QA plan establishes the basis for Crescent to continue to be ***Committed to Excellence and Focused on Delivery***.

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

LADOTD CONTRACT No. 44-32380

S.P. No. H.016019.5
F.A.P. No. H016019
Downing Pines Rd: Roundabout At Mane St
Route: Downing Pines Rd & Mane St
Ouachita Parish

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

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

Crescent has committed to this process and has dedicated resources to deliver bridge design projects for LADOTD. We strive for continuous improvement to our processes to the benefit of our team members, the clients we serve and the public as a whole. We are committed to partnering with our clients by properly planning our work efforts to achieve a repeatable, consistent and a seamless delivery of our bridge projects. Crescent is committed to continuing education, offering our employees ample opportunities to remain on the leading edge of technology, bridge modeling and design methodology improvements, changes and innovation.

Definitions

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

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

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

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

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

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

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

QC/QA Roles and Responsibilities

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

Bridge Structural Design*		Construction Support & Shop Drawings	
Designer:	Megan M. Miller, P.E.	Drawing Review:	Dennis M. Hymel, PE.
Design Checker:	Dennis M. Hymel, Jr., P.E.	Review Checker:	Megan M. Miller, P.E.
Detailer:	Megan M. Miller, P.E.	QA Review:	James P. Ledet, P.E.
Detail Checker:	Abbey F. Falcon, P.E.		
QA Review:	James P. Ledet, P.E.		

Hydraulics Design & Scour Analysis		Bridge Geometric Design	
Designer:	Abbey F. Falcon, P.E.	Designer:	Megan M. Miller, P.E.
Design Checker:	Dennis M. Hymel, Jr., P.E.	Design Checker:	Abbey F. Falcon, P.E.
Detailer:	Abbey F. Falcon, P.E.	Detailer:	Megan M. Miller, P.E.
Detail Checker:	Megan M. Miller, P.E.	Detail Checker:	Abbey F. Falcon, P.E.
QA Review:	James P. Ledet, P.E.	QA Review:	James P. Ledet, P.E.

*For Non-Standard Structure Elements

Bridge Engineer of Record: Dennis M. Hymel, Jr., P.E.
QC/QA Manager: James P. Ledet, P.E.

QC/QA Procedures

1. CALCULATIONS

INTRODUCTION

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

RESPONSIBILITIES

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

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

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

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

PROCEDURES

1. Identify each sheet of calculations with designer's initials, date, project name, and sheet number. Indicate portion of project being designed in the upper right corner of each sheet below the title block. For example: Bent 5 Design, Intermediate Bent Design, Span 3 Design, etc. A component of a project shall be checked promptly upon completion of calculations. Normally, design and quantity calculations are not combined.

2. The Designer shall make a copy (checking copy) of the calculation set and give to the checker. The originals shall then be placed in a designated binder or folder, in a convenient location, which can be accessed by the entire design team.

3. The checker shall fill in the checking copy headings with initials and date in red. All errors and disagreements shall be marked in red. Yellow shall be used to indicate information that has been checked is correct.

4. The checker shall promptly return the checking copy to the Designer for review. If the Designer agrees with the checker's markup then the Designer shall put a green check on red marks. When the Designer and Checker disagree, then the Engineer of Record shall resolve the dispute.

5. The Designer shall change the originals and return the originals and the checking copy to the checker for the checker's initials and date to be placed on the original.

6. The originals shall immediately be placed back into the calculation folder or binder. The checking copy shall be kept as required.

2. DRAWINGS

INTRODUCTION

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

RESPONSIBILITIES

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

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

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

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

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

PROCEDURES

1. As each drawing individually is completed and deemed ready for checking, the Designer signs or initials the title block of drawings, makes a Check Print copy, and affixes, numbers, and dates the Check Print stamp on the print of each drawing. This is to be done on each drawing print separately, not on the set of prints as a whole, even if the same information is put on the check print stamp.

2. The Checker checks the Check Print of the drawing for technical adequacy and conformance to any applicable standards and format, and performs specific accuracy checks required for that type of drawing. Checking activity is recorded directly on the Check Print. The Checker is responsible for ascertaining that the drawing is consistent with the corresponding calculations, and signing off that those calculations have been

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

Use of Colors

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

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

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

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

   To document the backchecking process, the Designer:

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

   - Crosses out in green each of the Checker's red-marked changes that both the Designer and the Checker agree should not be changed. The Backchecker should not obliterate the Checker's marks.

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

- Signs and dates the Check Print stamp.

4. Correction of the Drawing Original should be supervised by (or drafted by) either the Designer or Checker, since both are familiar with the changes to be made.

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

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

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

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

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

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

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

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

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

Description of Appendices:

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

Appendix A

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

Appendix B

- Crescent Design Comment Review Forms

Appendix C

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

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

Design Criteria Checklist

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

__ **Cover Sheet**

The following information must be included on the cover sheet:

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

__ **Governing Design and Construction Specifications and Other References**

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

__ **Design Assumptions and Design Exceptions**

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

__ **General Information**

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

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

__ **Hydraulic Design Criteria**

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

__ **Design Factors**

The ductility factor η_D, redundancy factor η_R, and operational importance factor η_I shall be listed in this section.

__ **Design Loads**

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

__ **Limit States**

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

__ **Bridge Barrier Railing**
The design criteria, types, and test levels for bridge barrier railing shall be listed in this section. Standard plans should be listed if they are utilized.

__ **Guardrail**
The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans should be listed if they are utilized.

__ **Approach Slab**
Design criteria for approach slab shall be included in this section. Standard plans should be listed if they are utilized.

__ **Deck and Deck Drainage**
All design criteria for deck and deck drainage design shall be included in this section. Standard plans should be listed if they are utilized.

__ **Bearing**
All bearing types and design criteria for each bearing type shall be included in this section. Standard plans should be listed if they are utilized.

__ **Joint**
All joint types and design criteria for each type shall be included in this section. Standard plans should be listed if they are utilized.

__ **Superstructure**
All superstructure types and design criteria for each type shall be included in this section. Standard plans should be listed if they are utilized.

__ **Substructure**
All substructure types and design criteria for each type shall be included in this section. Standard plans should be listed if they are utilized.

__ **Piles and Drilled Shafts**
All pile types, sizes, and structural design criteria shall be included in this section. Standard plans should be listed if they are utilized.

__ **Geotechnical Design**
All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans should be listed if they are utilized.

__ **Mechanical Design**
All mechanical design criteria shall be included in this section if applicable. Standard plans should be listed if they are utilized.

__ **Electrical/Lighting Design**
All electrical design criteria shall be included in this section if applicable. Standard plans should be listed if they are utilized.

__ **As-Designed Bridge Rating Criteria**
All as-designed bridge rating criteria shall be included in this section.

__ **Software**
All software used for design and check shall be included in this section.

APPENDIX J—PROJECT ACTIVITY LOG SHEET

Project No.:

Project Name:

Bridge Task Manager:

Date	Project Activity	Comments

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

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

___ Introduce LADOTD Bridge Task Manager and the Consultant's Key Team Members (The Supervisor or Team Leader and Key Designers/Design Checkers/Reviewers)

___ Discuss Consultant's Staffing Plan and Implementation of QC/QA Plan Document
(The staffing plan should include names and responsibilities of the designers, detailers, checkers, reviewers, and the EOR.)

___ Determine Schedules for Project Submittals
(Design Criteria, TS & L, 30%, 60%, 90%, 100% of Preliminary Plans and Final Plans, Final Calculations, etc.)

___ Share Expectations and Consultant Rating Criteria
(Consultant rating will be performed for all project submittals shown on the project submittal schedule.)

___ Discuss Design Criteria

___ Discuss Budget, Supplemental Requests, Invoices, and Importance of Avoiding Claims (Staff shown on invoices will be reviewed in accordance with the staffing plan.)

APPENDIX K—CONSULTANT SUBMITTAL REVIEW CHECKLIST

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

Legends:
"R" = The item is required and shall be included in the submittal.
"C" = The item shall be complete and shall be included in the submittal.
"D" = The item shall be in development and shall be included in the submittal.
"S" = The item is stamped by the EOR and shall be included in the submittal.

Final Calculation Book Checklist

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

__ **Cover Sheet**
The following information must be included on the cover sheet:
- LADOTD project number
- Project name
- The title of “Final Calculation Book”
- The EOR’s seal with signature and date

__ **Final Calculation Book Check List**
__ **QC/QA Certifications**
__ **Peer Review Resolution Agreement (if peer review is performed)**
__ **Design Criteria**
__ **Final Hydraulic Analysis Report from Hydraulic Engineer**
__ **Final Geotechnical Analysis Report from Geotechnical Engineer**
__ **Superstructure Design Calculations**
__ **Substructure Design Calculations**
__ **Quantity Calculations**
__ **Special Provisions/NS-Items**
__ **Construction Cost Estimate**
__ **As-Designed Rating Report**
__ **List of All Final Electronic Design Files and File Locations (ProjectWise directory name)**

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

__ **A PDF File of the Calculation Book**
__ **All Electronic Design Files**
__ **A PDF File of the As-Designed Rating Report Only**

QC/QA REVIEW COMMENT SUMMARY AND RESOLUTION SHEET

Project Name: XXX	CRESCENT	Date: XXXXX
Project Number: H.0XXXX	Engineer: Dennis Hymel, Jr., P.E.	
Submittal: 60% Preliminary	Reviewer: XXX	Page: 1 of 1

RESPONSE CODE
1. Concur / Accept comment
2. Non-Concur / Disagree with comment
3. Conflicts with previous directive
4. For Information Only
5. Clarify or discussion required
6. Delete comment
7. Resolution of comment in next phase
8. See additional comment

- GENERAL USE (THIS SECTION)

Item No	Date	(1)Source	Reviewer Comments	(2)Code	(2)Date	(3)Responses	(4)Final Resolution	
							Code	Date
1	8/31	2a	Revise typical section to include X.	1	9/10	Will Incorporate.	1	9/15

If no comment, write "NO COMMENT"	Signature of Reviewer	Agency/Company Sign-off

(1) Indicates the document / model , or use "G" for General Comment
(2) Design Firm/Agency response code & date to reviewer comment
(3) Design Firm/Agency response to reviewer comment
(4) To be filled out during back check / subsequent meeting/discussion

QA Information Package Checklist

Project No.:
Project Description:

_____ Calculation Book

_____ Plans

_____ Special Provisions

_____ Cost Estimate

_____ Other Documents _____

QC/QA Certification

Project No.:
Project Name:

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

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

Consultant Submittal QC/QA Certification

Project No.:
Project Name:

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

_____
Submittal Description

_____	_____	_____
Supervisor or Team Leader Name	Signature	Date

22. SUB-CONSULTANT INFORMATION:

Firm Name (Name must match as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**
Crescent Engineering & Mapping, LLC	1815 Hwy 18 Vacherie, LA 70090	Dennis M. Hymel, Jr., PE Dennis.hymel@crescentengla.com	225.329.1742
Lazenby & Associates, Inc.	2000 North 7th Street West Monroe, LA 71291	Paul D. Fryer, P.E., P.L.S. pfryer@lazenbyengr.com	318.387.2710
APS Engineering and Testing	1645 Nicholson Dr. Baton Rouge, LA 70802	Sergio Aviles, PE sergio@aps-testing.com	225.456.5714

23. LOCATION:

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.