October 9, 2024

PROPOSAL

Engineering and Related Services

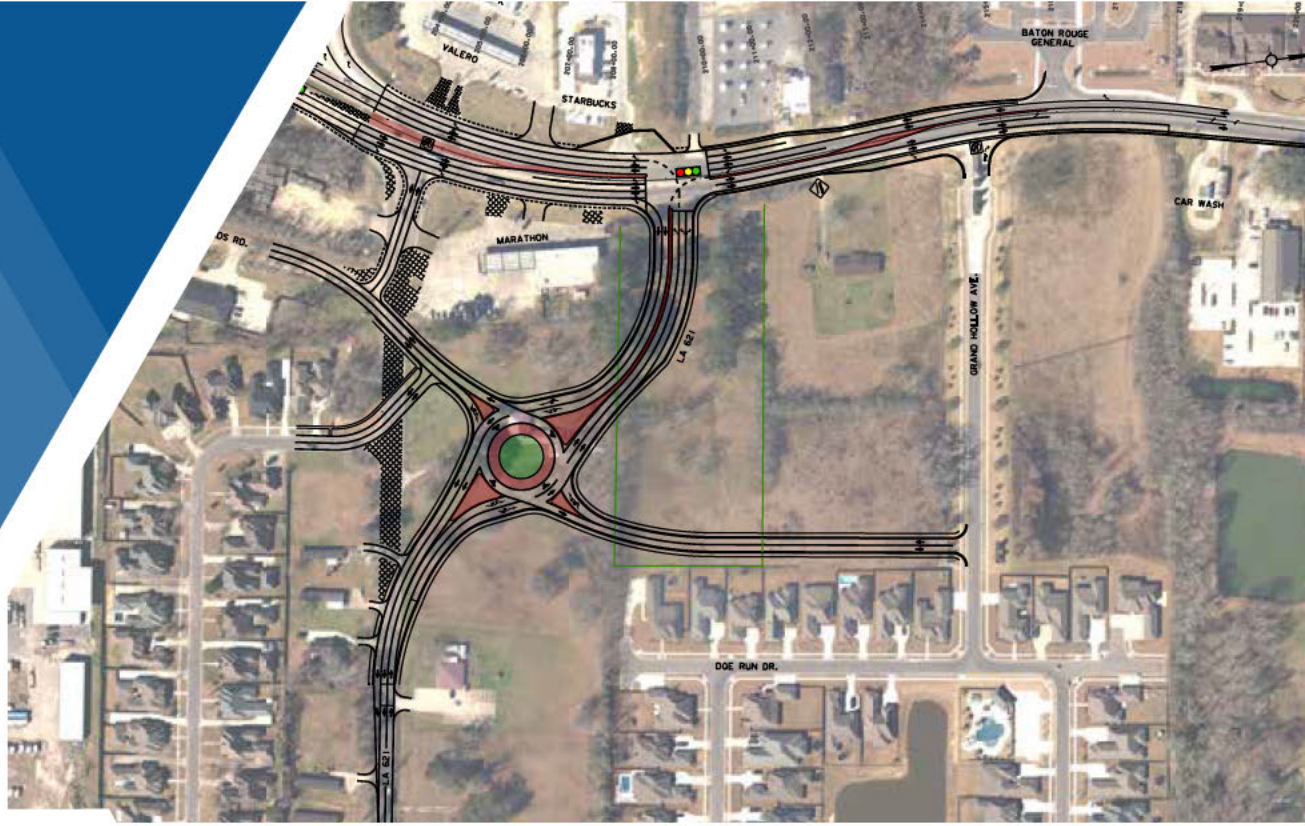
IDIQ CONTRACT FOR ROADWAY DESIGN SERVICES

Contract No. 4400030052
Statewide with Majority of Work in Districts 03 & 07

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

NEEL-SCHAFFER
Solutions you can build upon

Neel-Schaffer, Inc. has proven experience providing these services for this same contract for DOTD. We are currently working on three task order projects for our existing IDIQ for Roadway Design Services. This divider shows two concept layouts for projects which include design services.

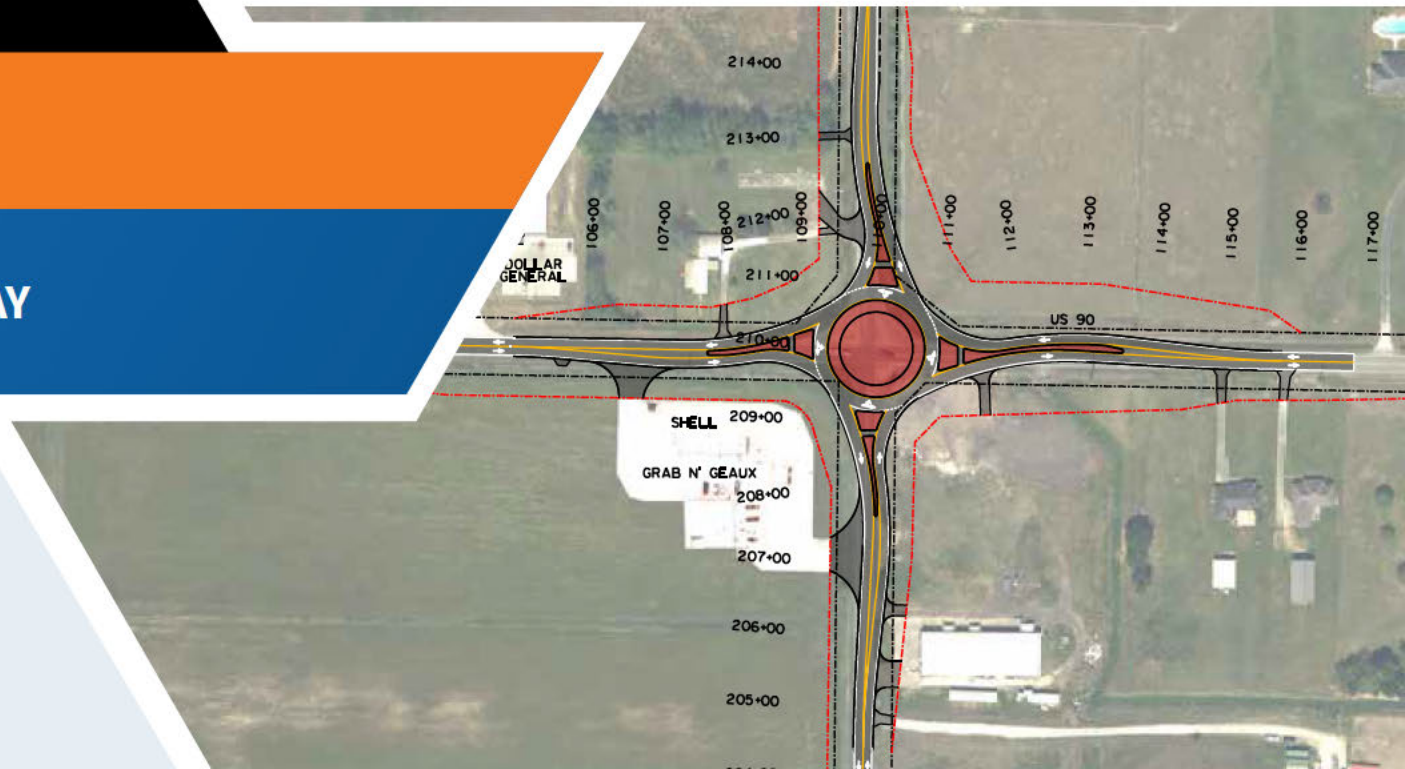


Sections ***1-11***

Contract No. 4400030052

IDIQ CONTRACT FOR ROADWAY DESIGN SERVICES

H.014366: The image at the top was provided by NSI to show DOTD the impacts prior to design phase starting.
H.015226: The lower graphic was provided by NSI in support of the public meeting.



DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised September 17, 2024)

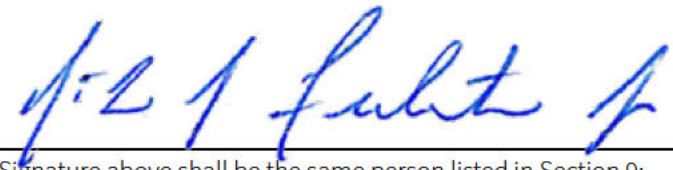
Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

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

1. **Contract Name** as shown in the advertisement	**IDIQ Contract for Roadway Design Services Statewide with Majority of Work in Districts 03 & 07**
2. **Contract Number(s)** as shown in the advertisement	**4400030052**
3. **State Project Number(s)**, if shown in the advertisement	**N/A**
4. **Prime consultant name** (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	**Neel-Schaffer, Inc.**
5. **Prime consultant license number** (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is re-quired under Louisiana law)	**EF.0001372**
6. **Prime consultant mailing address**	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
7. **Prime consultant physical address** (existing or to be established, if location is used as an evaluation criteria)	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
8. **Name, title, phone number, and email address of prime consultant's contract point of contact**	**Dishili Young, PE** *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: **October 9, 2024**

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

FIRM	FIRM PERCENT
APS Engineering and Testing, LLC	2%

Sections ***12-15***

Contract No. 4400030052

IDIQ CONTRACT FOR ROADWAY DESIGN SERVICES

12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Neel-Schaffer, Inc.	APS Engineering and Testing, LLC	Crescent Engineering & Mapping, LLC	C. H. Fenstermaker & Associates, L.L.C.	Each Discipline must total to 100%
Road	80%	85%	0%	15%	0%	100%
Traffic	9%	100%	0%	0%	0%	100%
Survey	9%	0%	0%	0%	100%	100%
Geotech	2%	0%	100%	0%	0%	100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100%	77%	2%	12%	9%	

13. FIRM SIZE:

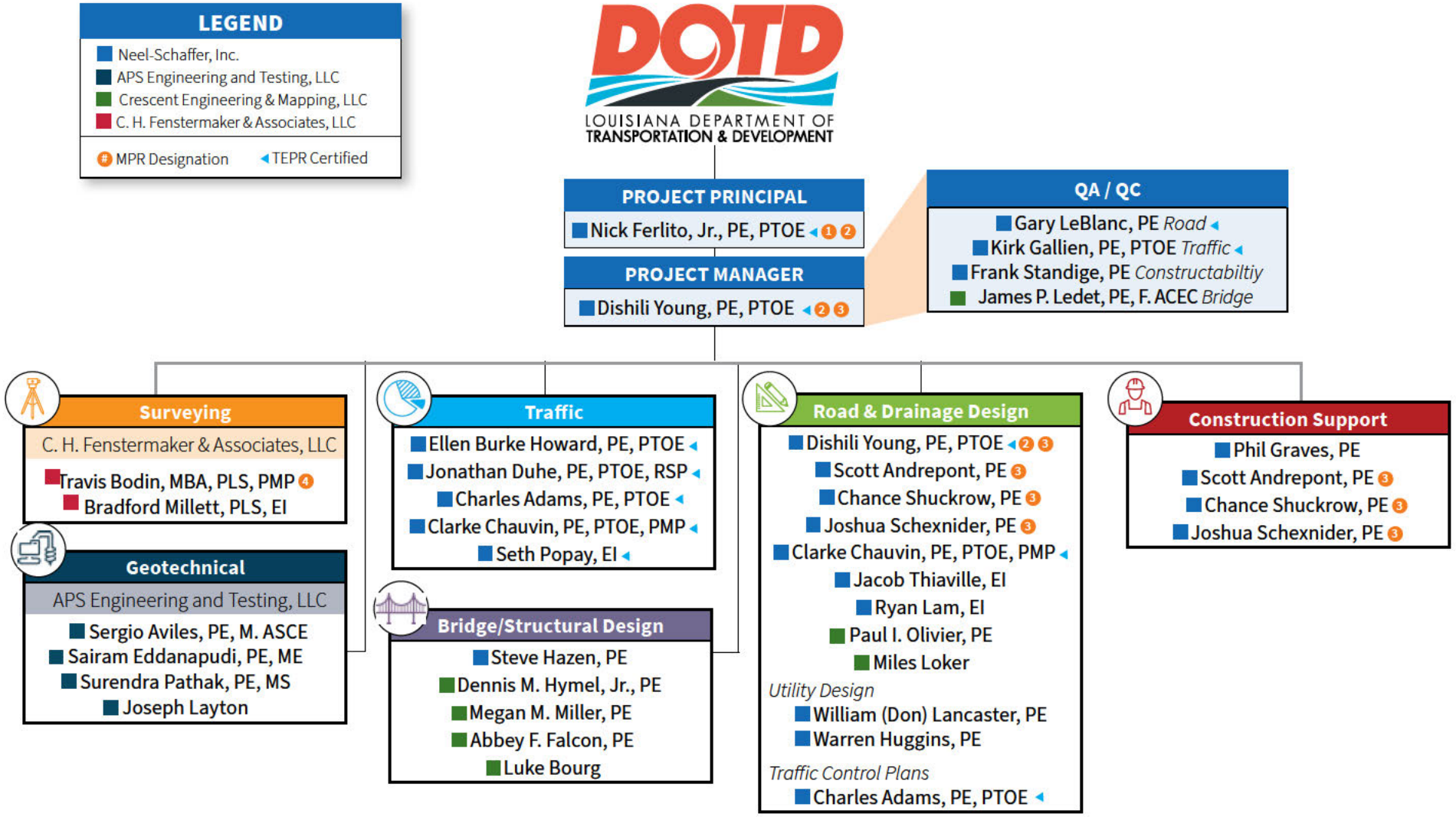
Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Neel-Schaffer, Inc.	Principal	1	2
	Supervisor – Eng	3	2
	Engineer	11	25
	Engineer Intern	3	7
	Senior Technician	2	2
APS Engineering and Testing, LLC	Engineer	3	3
	Engineer Intern	2	2
	Engineering-Aide	1	1
	Driller	8	8
	Technician	12	12
	Inspector	5	5
	Clerical	1	1
Crescent Engineering & Mapping, LLC	Supervisor - Eng	1	1
	Engineer	3	5
	Senior Technician	2	2
	Surveyor	0	1
	Party Chief	0	2
	Instrument Man	0	2
	Engineer Intern	1	1
	Clerical	0	1

C. H. Fenstermaker & Associates, L.L.C.	Administrative	0	1
	Archaeologist	0	1
	CADD Operator	0	3
	Clerical	0	2
	Computer Analyst	0	1
	Engineer	1	12
	Engineer Intern	0	10
	Environmental Pro	0	2
	GIS Analyst	0	5
	Inspector	0	3
	Inspector – Certified	0	2
	Inspector - Lead	0	2
	Instrument Man	2	7
	Party Chief	2	14
	Principal	1	3
	Professional	0	2
	Rodman	2	2
	Senior Technician	1	8
	Supervisor – Eng	1	3
	Supervisor – Other	0	1
	Surveyor	1	5
	Technician	0	11

14. ORGANIZATIONAL CHART:

Contract No. 4400030052

IDIQ CONTRACT FOR ROADWAY DESIGN SERVICES



15. MINIMUM PERSONNEL REQUIREMENTS:

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR / certification and number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Nick Ferlito, Jr., PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 - Civil	LA	09/30/25
2	Nick Ferlito, Jr., PE, PTOE		PE No. 28001 - Civil	LA	09/30/25
2	Dishili Young, PE, PTOE		PE No. 33723 - Civil	LA	09/30/26
3	Dishili Young, PE, PTOE		PE No. 33723 - Civil	LA	09/30/26
3	Chance Shuckrow, PE		PE No. 42746 - Civil	LA	03/31/25
3	Scott Andrepont, PE		PE No. 37107 - Civil	LA	09/30/26
3	Josh Schexnider, PE		PE No. 45891 - Civil	LA	03/31/26
4	Travis Bodin, MBA, PLS, PMP	C. H. Fenstermaker & Associates, L.L.C.	PLS #0005067 Professional Land Surveyor	LA	03/31/2026

PAST EXPERIENCE	NSI TEAM MEMBERS								
	Nick Ferlito, Jr., PE, PTOE	Dishili Young, PE, PTOE	Ellen Burke Howard, PE, PTOE	Jonathan Duhe, PE, PTOE, RSP	Steve Hazen, PE	Scott Andrepont, PE	Chance Shuckrow, PE	Joshua Schexnider, PE	Jacob Thiaville, EI
DOTD IDIQ CONTRACT FOR ROAD DESIGN	✓	✓	✓	✓	✓	✓	✓	✓	✓
DOTD TRAFFIC STUDIES/SAFETY	✓		✓	✓					
DOTD PRELIMINARY & FINAL PLAN PRODUCTION		✓	✓	✓	✓	✓	✓	✓	✓
DOTD ENVIRONMENTAL SUPPORT,PUBLIC MEETINGS & PERMITS	✓	✓	✓	✓		✓	✓	✓	
DOTD ROADWAY DRAINAGE AND H&H DESIGN		✓			✓	✓	✓	✓	✓
DOTD CONSTRUCTION PROPOSAL SERVICES	✓	✓	✓	✓	✓	✓	✓	✓	✓
DOTD CONSTRUCTION SUPPORT	✓	✓	✓	✓	✓	✓	✓	✓	✓

Section **16**

Contract No. 4400030052

IDIQ CONTRACT FOR ROADWAY DESIGN SERVICES

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Nick Ferlito, Jr., PE, PTOE**			Years of relevant experience with this employer	28
Title	Senior Vice President / Louisiana Area Manager			Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			BS / 1993 / Civil Engineering; MS / 1996 / Civil Engineering		
Active registration number / state / expiration date			PE No. 28001 / LA / 09-30-2025; PTOE No. 930		
Year registered	1998	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Principal **MPRs 1 & 2**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a 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 @ LA 73 (Ascension) (SPN. H.014366)**; Traffic Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) 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.
01/20 – Present	**I-20: LA 544 Overpass Replacement**: TMP and traffic analysis QA/QC. Preliminary and final design services for this project which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts within a roundabout interchange with two roundabouts on a 3% longitudinal grade & partially on bridge. Includes a level 2 TMP
02/15 – 12/17	**US 51 (W University to I-55) Corridor Study (Contract No. 4400004064, T.O. No. H.011401.1)**: Includes analysis of eight roundabout geometry intersections. Traffic Engineer assisted with Corridor Operational Analyses
01/15 – 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 – 03/16	**LA 73 Corridor Study (LA 74 to LA 621) Stage 0 Feasibility Study (Contract No. 4400003362, T.O. No. H.011160.1)**: Traffic Engineer responsible for data collection, warrant analysis, corridor operational analyses (Synchro and Sidra), Stage 0 traffic report preparation
01/14 – 12/16	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1)**: Traffic Engineer responsible for data collection, corridor traffic operational analysis (Synchro and Sidra), calibrated Vissim modeling, Stage 0 Traffic Report
01/11 – 01/14	**LA 447 Corridor Study (LA 16 to US 190), Walker, LA**: Project Manager for a traffic study to evaluate corridor improvements along LA 447 as well as interchange concepts at I-12. A TIER analysis was performed at the interchange of I-12 at LA 447 to evaluate various interchange configurations. The corridor analysis included HCS and Vissim analysis to evaluate RCUT and roundabout corridor concepts. Includes multilane roundabouts

07/16 – Present	**I-49 South at Verot School Road, Lafayette, LA**: Performed Traffic QA/QC on the preparation of a Level 3 TMP and design of temporary and permanent traffic signals. Includes a multilane Roundabout
08/20 – Present	**I-10 & I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA**: Project Manager for Interchange Modification Report, TMP, and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with DOTD's TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) for evaluating various MOT strategies.
08/20 – Present	**College Drive Enhancement Project (Perkins Road to I-10), Baton Rouge, LA**: Project Manager for the Traffic Study component for the study of the College Drive corridor. The Traffic Study is being prepared in accordance with DOTD's TEPR and includes performing all analysis in Vissim to evaluate various alternatives. In addition to corridor improvements, a tiered analysis will be performed to evaluate various interchange alternatives for I-10 at College Drive.
12/19 – Present	**US 80 Feasibility Study, Haughton, LA**: Project Manager for the preparation of a Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR.
06/17 – 09/18	**I-10 New Orleans Master Plan, Port Access Improvements**: Created a plan or a program of projects which mitigates the severe congestion extending from Interstate 10 at its interchange with the Pontchartrain Expressway (US 90B / I-910) to the Crescent City Connection (CCC) crossing of the Mississippi River, including connecting ramps and roadways. Project Manager. Includes roundabout alternatives.
11/16 – 08/19	**LA 385 Feasibility Study, Lake Charles, LA**: Project Manager for the Stage 0 Report in support of safety and traffic operational improvements along with the LA 385 (Ryan Street) corridor between LA 3186 south of I-10 to Eddy Street north of I-10, including the LA 385 interchange with I-10. Includes Multilane Roundabouts
02/16 – 04/18	**LA 22 Corridor Study, Rou Mar Nei Drive to 1st Street, Ponchatoula, LA**: Project Manager for a traffic study to evaluate corridor improvements along LA 22 as well as interchange concepts at I-55. A TIER analysis was performed at the interchange of I-55 at LA 22 to evaluate various interchange configurations. The corridor analysis included HCS analysis to evaluate RCUT and roundabout corridor concepts.
02/15 – 04/18	**LA 384 Stage 0 Traffic & Safety Study, Lake Charles, LA**: Project Manager for traffic and safety study for LA 384 (Country Club Road) from Big Lake Road to McNeese Street. Includes Multilane Roundabouts
02/18 – Present	**Kansas Lane-Garrett Road Connector and I-20 Improvements, Monroe, LA**: Project Manager/Traffic Lead for the preparation of a Level 4 Transportation Management Plan, review of MOT plans, design of temporary and permanent traffic signals and design of the relocation of DOTD ITS fiber optic trunk line.
Career History	Nick joined Neel-Schaffer in 1996. He is a Senior Vice President and serves as Louisiana Area Manager, overseeing all responsibilities for the state. He has more than 30 years of experience managing a wide range of traffic and transportation projects. He has served as a project manager for many intersection/corridor signal timing studies, signal design projects, safety studies and other traffic engineering related projects for public and private projects. Nick is experienced with numerous traffic engineering software packages, including HCS, CORSIM, SYNCHRO, Tru-Traffic (TSPPDraft), and SIDRA. He also completed the Naztec TS1/TS2 Controller 2-Day training course. He has also completed the NEPA and Transportation Decision Making course (2004), the Highway Safety Manual Workshop (2011) as well as LADOTD's Traffic Engineering Process and Report (TEPR) training. He has also served as the project manager and lead traffic engineering for the following IDIQ contracts with Louisiana Department of Transportation and Development: IDIQ for Roadway Design; IDIQ Contract 44-01583 for Safety Studies Statewide; IDIQ Contract 44-04402 for Safety Studies Statewide; IDIQ Contract 44-10504 for Safety Studies Statewide; IDIQ Contract 44-08851 for Traffic Signal Engineering; IDIQ Contract 44-04712 for Traffic Engineering; IDIQ Contract 44-04064 for Traffic Engineering; IDIQ Contract 44-01777 Signal Timing Studies; IDIQ Contract 44-04712 Traffic Signal Engineering

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Dishili Young, PE, PTOE**			Years of experience with this firm/employer	6
Title	Vice President / Engineering Manager			Years of experience with other firm(s)/employer(s)	15
Degree(s) / Years / Specialization			BS / 2002 / Civil Engineering; MS / 2018 / Civil Engineering		
Active registration number / state / expiration date			PE No. 33723 / LA / 09-30-2026		
Year registered	2008	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Project Manager **MPRs 2 & 3**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Project Manager and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Project Manager and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; 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.
04/18 – 04/20	**LA 328 (Rees Street) Corridor Study and Plan**: Project includes improving La. Hwy. 328/Rees Street from Latiolais Road to E Bridge Street including considering the impacts of the proposed E Mills Ave extension LA 328 to Doyle Melancon Ext. roadway and outreach
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
04/18 – Present	**I-49 South at Verot School Road**: Managing the design services for the interstate design and service road design (drainage, preliminary and final road design and TMP). This project which will construct 2.4 miles of mainline freeway, bridges and an interchange at the intersection of I-49 South/US 90 and Verot School Road. This project includes the design of a major bridge crossing at Verot Rd. and I-49 and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. Neel-Schaffer (NSI) is serving as the subconsultant for this project. NSI is designing the interstate mainline and frontage roadways, as well as, designing the drainage along these corridors. NSI is also completing the traffic design and level 3 TMP. Includes a multilane roundabout
09/18 – 12/18	**I-20 at 220 Interchange Improvement & BAFB Design-Build Project**: Included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad.

08/17 – 03/19	**Juban Road Widening**: Served as the engineer of record and managed the completion of the roadway and drainage design services for this project which will widen LA 1026 (Juban Rd.), construct three multilane roundabouts and two new frontage access roadways, with storm drainage sewer systems.
08/17 – Present	**Mandeville Bypass, Mandeville, LA**: This project will provide a new 3 Mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Ms. Young is managing the roadway design services. Includes multiple multilane roundabouts.
02/10 – 12/11	**I-10 Widening Design-Build Siegen Ln. (LA Hwy 3246) to Highland Rd. (LA Hwy 74) for LA DOTD**: Served as Engineer and managed portions of the civil design for this project. This project involved the widening of I-10 from four lanes to six, bridge reconstruction (I-10 over Wards Creek and I-10 over KCS Bridge), and drainage improvements along the corridor. In addition to assisting with the roadway design, Ms. Young completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor.
01/09 – 11/11	**I-12 Widening Design-Build (O'Neal Ln. to Pete's Hwy)**: Served as Engineer for this project which involved the widening of I-12 and bridge reconstruction (I-12 over Amite River (two bridges) and I-12 over O'Neal Lane (two bridges)). In addition to assisting with the roadway design, Ms. Young assisted with the scour analysis and H&H analysis at the Amite River as well as the drainage design along the interstate corridor.
08/17 – 03/20	**LA 73 Turn Lanes**: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines
12/22 – Present	**LA 89 @ Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Preliminary and Final Road Design
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA**: This project provides new two-lane connector roadway with drainage between Chemin Metairie Parkway & LA 89. Includes multilane roundabouts in final design stage
09/22 – Present	**E. Milton Ave Improvements, Lafayette Parish, LA**: This project will widen an existing Roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. Roadway and Drainage Design.
12/14 – 08/17	**LA 447 Corridor Study, Walker, LA (LA 16 to US 190)**: Assisted with the geometric design for the R-Cut and roundabout improvements, public outreach and served as Project Manager and road design lead for the EA while working at APTIM. Includes multilane roundabouts
08/17 – Present	**Ham Reid at LA 3092 Intersection Improvements**: Serves as engineer of record for this project which will construct a roundabout at the intersection of LA 3092 and Ham Reid Road. The roadway and drainage design were completed in accordance with LADOTD guidelines.
Career History	Dishili offers approximately 20 years of progressive experience which includes program management, engineering management, project management and engineering design. Her experience includes the management and design of interstate design-build projects, interstate design-bid-build projects, including roundabout interchanges, road design projects, including multilane roundabouts, drainage projects, H&H Studies, environmental studies and feasibility studies. Her Continuing Education is documented as follows: Transportation Safety Systems (Highway Safety Manual Graduate Course), Auburn University, 2016: ATSSA Traffic Control Supervisor Training Course, Baton Rouge, 2015; ATSSA Traffic Control Technician Training Course, Baton Rouge, 2015: FHWA Highway Safety Manual Workshop, Baton Rouge, 2014; Roadside Safety Design by the Federal Highway Administration and National Highway Institute, LTRC, 2010; Urban Street Design, University of Wisconsin, Madison,; Open Channel Design, University of Wisconsin, Madison; Comprehensive Culvert Design, University of Wisconsin; Maintaining Asphalt Pavements, University of Wisconsin; Using HEC-RAS to compute water surface profiles for floodplains, bridge and culvert hydraulics, University of Wisconsin; DOTD's Traffic Engineering Process and Report (TEPR) training

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Ellen Burke Howard, PE, PTOE**			Years of experience with this firm/employer	10
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			Project Manager for traffic studies		

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 three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; 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 @ LA 73 (Ascension) (SPN. H.014366)**; Traffic Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) 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.
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 @ 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 geometry 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 DOTD District 62. She also worked as a Traffic Engineer Intern for DOTD's Traffic Engineering Management Section in Headquarters. She worked on a variety of projects involving Traffic Engineering Studies, Signal Timing and Coordination, Corridor Studies, traffic modeling using VISSIM and Transportation Management Studies. During her employment at LADOTD, she also reviewed numerous Corridor Studies, Intersection Studies, Safety Studies, Traffic Impact Studies, and Temporary Traffic Control Plans. She is proficient in Traffic Engineering software such as HCS, Synchro, SIDRA, SimTraffic, VISSIM as well as DOTD's CAT Scan safety tool. She also attended Highway Safety Manual (HSM) workshop, Highway Capacity Analysis Seminar, Roundabout Design Workshop, Traffic Signal Workshop, Synchro Training, Vissim Training, Access Management Location and Design Course, Alternative Intersections / Interchanges Workshop, and Crash Reconstruction for Traffic Engineers Course. With Neel-Schaffer, Mrs. Howard has served as a project engineer for the noted traffic related DOTD projects. Mrs. Howard is a certified Professional Traffic Operations Engineer (PTOE), a certified Road Safety Professional Level 1, and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

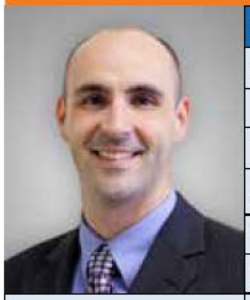
16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Chance Shuckrow, PE**			Years of relevant experience with this employer	10
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 / 03-31-2025		
Year registered	2018	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road Design and Drainage Design, **MPR 3**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.
11/19 – Present	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** The task orders under this project are as follows (see project profile for full description): 1.) Local Road Signing (Vermilion) (SPN. H.013014); 2.) Independence SRTS – Phase II (SPN. H.010108.1); 3.)LRSP (Iberia Parish and City of N.I.) (SPN. H.013770); 4.) LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1); 5.) W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621); 6.) LRSP Signs, Striping and X-Overs (Gonzales) (SPN. H.013621.1); 7). Downtown Greenway LA Connector (BR) (SPN. H.013751); 8.) LSU Laboratory School SRTS Project (SPR. H.009290); 9.) Local Road Signing (Ascension) (SPN. H.015011); 10.) FYA Signal Improvements (SPN H.014579); and 11.) LSRP Ardenwood Dr. Road Diet (East Baton Rouge) (SPN H.013622) See project profiles for more details.
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.
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.
12/22 – Present	**LA 89 @ Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.

08/22 – 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.
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 intersection, 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, Lafayette Consolidated Government (LCG).** EA and Final Design. Final Design of 2-mile four lane median divided roadway with 3 multilane roundabout intersections and a major bridge crossing the Vermilion River. Completed the vertical and horizontal alignments, modeled the project with Bentley software and completed the drainage design. Mr. Shuckrow serves as the engineer of record for this project assisting with the roadway design, stage 0 feasibility study and EA. This project includes bike lanes and sidewalks/paths.
03/15 – Present	**St. Martinville Bypass (LA31) Environmental Assessment and Line and Grade Study in St. Martinville, LA (SPNH.004924.5)** Includes five roundabout geometry intersections at connections with state routes. Assisted in geometric design of roadway alternatives and in the development of horizontal and vertical profiles.
06/13 – 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 @ 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 is providing design support. Mr. Shuckrow assisted with the drainage design and provided roadway design support.
08/14 – 05/19	**Juban Road (LA1026) Widening for Livingston Parish Government in Livingston, LA (SPNH.004634.5)** 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.
11/16 – 08/19	**LA 385 Stage 0 Feasibility Study:** This project focuses on safety improvements along the LA 385 corridor between LA 3186 south of I-10 to Eddy Street north of I-10. Mr. Shuckrow provided engineering design support.
Career History	Mr. Shuckrow joined Neel-Schaffer in of 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 (LA) office, Chance has worked in the design of drainage, horizontal and vertical profiles, and corridors. He has also worked in cost estimating of projects and in the preparation of roadway design plans.

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.					
Name	**Scott Andrepont, PE**			Years of relevant experience with this employer	15
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**		

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 three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.
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
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.
12/22 – Present	**LA 89 @ Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.
08/22 – 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.
04/18 – Present	**I-49 South at Verot School Road**: This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes 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.
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 4 roundabouts.
03/19 – 04/20	**LA 328 (Reese Street) Stage 0**: Created the geometry for this project which would improve LA 328 from Latiolais Drive to E. Bridge St. Signalized and roundabout intersections were considered. Scott completed the design criteria, typical sections, and geometry in accordance with the requirements of DOTD. He also assisted with public outreach activities. Includes 3 roundabouts.
04/20 – Present	**US 90 and FM 481 Improvement, Kinney County, TX**: QA/QC of Striping, Singing, and High Friction Surface course plans.
09/09 – 08/12	**N. University Ave. Widening, Lafayette, LA**: Road alignment, preparing scope for utility and topographic survey, roundabout layout and design, and plan preparation. Project Engineer
07/13 – 09/13	**LA 1088 Traffic Corridor Study for LA DOTD 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/multi-use 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	**Frank Standige, PE**			Years of experience with this firm/employer	6
Title	Senior Project Engineer			Years of experience with other firm(s)/employer(s)	30
Degree(s) / Years / Specialization			BS / 1982 / Civil Engineering		
Active registration number / state / expiration date			PE No. 24023 / LA / 03-31-2026		
Year registered	1988	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Constructability 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).
02/20 – Present	**I-20 @ 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. Mr. Standige is providing constructability review and advice. Preliminary and final plans.
12/20 – 02/21	**Juban Road Widening, Livingston Parish, LA:** Providing construction support. Mr. Standige was recently able to solve a drainage issue in the field during construction. Preliminary and final plans.
02/17 – 04/19	**LNG Turn Lanes, LA 27 Permit Project, Cameron Parish, LA:** Project Engineer for road construction of asphalt turn lanes and drainage structures. Worked with the DOTD District office to ensure that DOTD requirements were met. Solved construction issues in the field with utility conflicts and drainage issues. Served as liaison between the contractor and DOTD District office. Provided updates to the DOTD District office on construction progress and traffic impacts.
10/08 – 09/12	**I-10/Causeway Interchange Phase 1 and 2:** Served as the Area Construction Engineer over the new roadway construction of the multi-decked, multi-lane interchange in Metairie. Reviewed design plans for quality assurance, reviewed and approved contractor's CPM, monthly estimates, plan changes and related documents. Worked with the design engineering firm, contractor, and DOTD HQ to solve an issue with cracks in the concrete columns. Resolved construction issues and developed plan changes during construction. Project cost - $53M.
03/06 – 09/12	**Huey P. Long Bridge Widening and Approach Ramps Project, Jefferson Parish, LA:** Served as the DOTD District construction coordinator for the widening and addition of the HPL Bridge. Reviewed consultant's design plans for quality assurance and made recommendations for changes. Reviewed contractor's CPM, monthly estimates, plan changes and consultant invoices. Worked with the LTM team to resolve issues during construction. Project cost - $1.2B.
08/06 – 03/09	**I-10 Widening – Causeway to 17th St. Canal, Jefferson Parish, LA:** Construction Engineer for the roadway construction widening of the interstate through Metairie. Responsibilities included reviewing design plans for quality assurance, reviewing and approving contractor's monthly estimates, CPM's, and plan changes. Resolved construction issues and worked with the design engineer to make plan changes during construction, due to changing field conditions. Met with the media to update on traffic impacts during construction. Project cost - $79.4M.
06/02 – 03/04	**Clearview Pkwy - Causeway Blvd. (Auxiliary Lanes):** Project Engineer for the construction of new concrete auxiliary lanes on I-10. Reviewed design plans for quality assurance and constructability and made recommendations for improvements. Cost of project $32.3M.
08/02 – 11/03	**Hickory Ave (Relocated LA 3 154, Dickory Extension):** Served as the Project Engineer for the construction of a new 4 lane concrete roadway, including drainage. Entergy has large transmission lines going through the median of this project and he had to coordinate closely with them on working around these lines. Reviewed design plans for quality assurance and constructability. The plans had sat on the "shelf" for many years and had to be redesigned in accordance with Mr. Standige's recommendations. Other issues that he dealt with during this project were drainage issues, adjustment of roadway elevations, and historic oak trees. Project cost - $3.1 M.

09/01 – 03/02	**EB I-10 Exit Ramp at Loyola Drive:** Served as the Project Engineer for the widening of the Loyola exit ramps on I- 10 Eastbound. Reviewed design plans for quality assurance and constructability.
1986 – 1989	**I-310 Bridge (LA 626 - I-10), St. Charles Parish, LA:** Served as Assistant Project Engineer for the end-on construction of the elevated I-310 bridge. Responsible for reviewing design plans for quality assurance and constructability, inspecting the contractor's work to ensure that it meets DOTD specifications, performed materials testing, reviewed plan changes and contractor's monthly estimates, supervised certified inspectors.
Career History	Mr. Standige has 30 years of roadway construction engineering experience working for Louisiana DOTD. He served as District Construction Engineer for 1 year, Area Construction Engineer for 5 years, Construction Project Engineer and Assistant Construction Project Engineer for 24 years. He is thoroughly familiar with all aspects of roadway construction for highways and bridges. He has managed the construction and rehabilitation of numerous complex DOTD projects including superstructures, highways, bridges and overpasses. He is an expert with the constraints imposed by federal and state statutes and regulations. He has been instrumental in developing many plans, specifications and is thoroughly knowledgeable of federal, state and local construction procedures and standards. During his time as Construction Engineer and Area Engineer, he managed the roadway construction of DOTD roads and bridges for his respective area and was responsible for managing project engineers' offices in the construction of multi-million-dollar construction projects. He worked closely with design engineers in reviewing their work for quality assurance and constructability. He approved payment estimates and plan changes in Site Manager, reviewed and approved contractor's CPM's, and schedules.
Training and Certifications	Certified in Work Zone Traffic Control Supervisor and Flagger

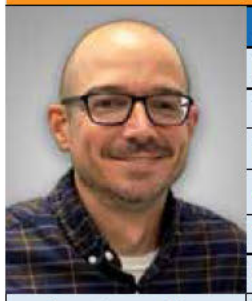
16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Phil Graves, PE**			Years of relevant experience with this employer	2
Title	Senior Project Manager			Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization			BS / 1997 / Civil Engineering		
Active registration number / state / expiration date			PE No. 29640 / LA / 09-30-2025		
Year registered	2001	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Construction Support		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a roundabout and required drainage improvements. Performed Constructability and Biddability reviews of the plans. Preliminary and final road design.
09/22 – Present	**E. Milton Ave. Roundabout Widening and Corridor Improvements, Youngsville, LA**: Constructability and Biddability reviews. Project includes line and grade tasks (establish design criteria, develop typical sections, horizontal geometry, vertical geometry), preliminary and final plans for a 1.1-mile project at 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. Preliminary and final road design.
02/22 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA**: NSI is designing 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) Constructability and Biddability reviews. Preliminary and final road design.
10/09 – 04/12	**I-55 Rehabilitation, Tangipahoa Parish, LA**: Area Engineer. As Area Engineer helped oversee four separate projects that rubbilized and overlaid Interstate 55 from US 51 (Morrison Boulevard) to the Mississippi state line. The rubbilization process is a complex technique that breaks existing concrete into small pieces, creating a better base for the asphalt overlay.
02/15 – 02/16	**I-12 Interchange Improvements, Tangipahoa Parish, LA**: Area Engineer. Converted the conventional signalized on/off ramps of I-12 at US 51-X to roundabout configurations (two total) and installed a roundabout at the intersection of US 51-X and Club Deluxe Road.
02/15 – 04/16	**LA 637 (W. 10th Street) Widening Project, St. John the Baptist Parish, LA**: Area Engineer. Provided widening services for LA 637 from US 61 (W. Airline Hwy) to LA 44 (River Road, including new subsurface drainage system.
11/10 – 11/11 08/16 – 08/17 10/19 – 05/22	**Safety Cable Barrier Installation Projects, Tangipahoa, St. John the Baptist, and Livingston Parishes, LA**: Area Engineer. Area Engineer for three separate projects that installed safety cable barriers along I-12, I-10, and I-55 in Tangipahoa, St. John the Baptist, and Livingston parishes.
01-03 – 12/04	**LA 964 Widening, East Baton Rouge Parish, LA**: Project Engineer. Project Engineer for this project that reconstructed and realigned LA 964 from US 61 (Scenic Hwy) to LA 64 (Church Street).
08/02 – 12/04	**Intelligent Transportation Systems (ITS), Phases 1 and 2, East Baton Rouge Parish, LA**: Project Engineer. Project Engineer for two separate projects that installed ITS devices, fiber, and buildings and tied it in to the Transportation Management Center (TMC).

03/05 – 06/06	**US 61 (Airline Hwy) Intersection Improvements, East Baton Rouge Parish, LA**: Project Engineer. Project Engineer for this intersection conversion project. Converted the conventional 4-way signalized intersection to a Continuous Flow Intersection (CFI) at LA 3246 (Siegen Lane).
08/06 – 08/07	**LA 19 (Main Street) Widening Project, East Baton Rouge Parish, LA**: Project Engineer. Project Engineer for project to widen LA 19 from Lavey Lane to Wimbish Drive.
03/06 – 03/07	**US 61 (Airline Hwy) Widening Project, East Baton Rouge Parish, LA**: Project Engineer. Widened US 61 from LA 73 (Jefferson Hwy) to US 190 (Florida Blvd).
12/06 – 01/09	**LA 946 (Joor Road) Widening, East Baton Rouge Parish, LA**: Project Engineer. Project Engineer for this project to reconstruct and realign LA 946 from Mickens Road to LA 408 (Hooper Road), including the construction of a new bridge over the Comite River
10/09 – 02/12	**I-55 Rehabilitation, Tangipahoa Parish, LA**: Area Engineer. Helped oversee four separate projects that rubbilized and overlaid Interstate 55 from US 51 (Morrison Boulevard) to the Mississippi state line. The rubbilization process is a complex technique that breaks existing concrete into small pieces, creating a better base for the asphalt overlay.
Career History	Mr. Graves joined Neel-Schaffer in 2022 and serves as a Senior Project Manager based in the firm's Baton Rouge (LA) office. Phil joined Neel-Schaffer shortly after retiring from the Louisiana Department of Transportation and Development after 25 years of service, the last 13 as the District 62 Area Engineer in Livingston and St. Helena parishes. He will be a part of Neel-Schaffer's Louisiana Transportation Department, providing quality assessment/quality control and constructability reviews. He will also help the firm expand and develop its Construction Engineering and Inspection services throughout Louisiana in both the Transportation and Water Resources sectors. Phil has extensive experience in laboratory sampling and testing, roadway and bridge construction oversight and management, roadway and bridge maintenance management, roadway structure design, and roadway preservation management

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.					
Name	**Joshua Schexnider, PE**			Years of relevant experience with this employer	6.5
Title	Project Engineer			Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			BS / 2016 / Civil Engineering; BS / 2000 / General Studies		
Active registration number / state / expiration date			PE No. 45891 / LA / 03-31-2026		
Year registered	2021	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road Design and Drainage Design, **MPR 3**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 - Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.
6/22 – Present	**Jimmie Davis Bridge (LA 511) (HBI) Design Build**: This project will replace the existing five-lane roadway with a four-lane median divided roadway with turn lanes. It will provide a new bridge crossing for LA 511 at the Red River and will also modify the existing bridge crossing for use as a linear park and provide a multiuse path. NSI is providing the traffic analysis, signal design, striping and signing plans, road design support and Bridge H&H and Scour for the river crossing. This preliminary design is being completed in support of the Design Build Proposal document. Design Services.
02/20 – 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.
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.
12/22 – Present	**LA 89 @ Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.

08/22 – 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.
12/21 – 01/22	**LA 1256 intersection improvements (Calcasieu Parish):** project will construct multiple turn lanes along 1256. Drainage improvements are included along with signal design. Road design and drainage design are in conformance with DOTD requirements. Project engineer for roadway and drainage design.
10/19 – Present	**East Mandeville Bypass, St. Tammany Parish**: This project will construct a new 2-mile four lane median divided roadway with multilane roundabouts intersections at LA 1088 and US 190. Project includes roundabout.
08/16 – Present	**Southcity Parkway Extension – Lafayette, LA**: Assisted in preparation of plans. Project includes 3 multilane roundabouts.
08/17 – 03/19	**Juban Road (LA 1026) Widening, Livingston Parish, LA**: Assisted in preparation of plans. This project includes roundabouts.
02/17 – Present	**US 90 Bridges Environmental Assessment, St. Tammany Parish, LA**: Assisted with preparation of plans. Includes a roundabout.
08/17 – 01/20	**Bossier Parish Roadway, Bridge and Culvert Engineering, Damage Assessment and Reconstruction Services**: This project included approximately 90 project sites consisting of bridges, roadway reconstruction, patching and overlays, and new drainage structures. Assisted with the design and plan production.
08/17 – 03/20	**LA 73 Turn Lanes**: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines.
06/16 – 06/16	**LA 22 Corridor Study – St. Tammany Parish, LA**: Assisted with preparation of plans. Project includes 6 roundabouts.
Career History	Josh is a design engineer and has been assigned to a variety of projects which include safety projects, roadway design, drainage design, and other civil engineering projects. His duties include design and analysis, preparation of construction plans, and specifications. He also has experience providing engineering design support during construction. He is also an ATSSA – Work Zone TCS/TCT/Flagger.

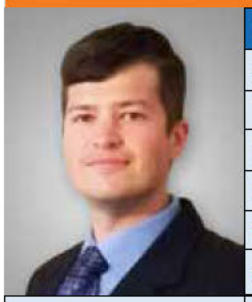
16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Ronald Kirk Gallien, PE, PTOE**			Years of experience with this firm/employer	2
Title	Senior Project Manager			Years of experience with other firm(s)/employer(s)	36
Degree(s) / Years / Specialization			BS / 1984 / Civil Engineering		
Active registration number / state / expiration date			PE No. 23428 / LA / 09-30-2025; PTOE No. 1288		
Year registered	1989	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic QAQC		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/20 – Present	**I-20 at LA 544 Overpass Replacement, Lincoln Parish, LA**: This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes new bridge with sidewalk over I-20. The entire project limits are complete street compliant which means it provides facilities for all users. 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.
1994 – 2007	**DOTD District 05 – District Traffic Operations Engineer** • Performed numerous traffic studies and composed numerous traffic engineering reports regarding traffic control such as traffic signal installations and modifications, signing, pavement markings, and establishing speed limits. • Annually investigated and analyzed existing traffic control devices at locations identified as having a high potential for safety improvement and recommended and implemented modifications to improve traffic flow and safety at these locations. • Coordinated and supervised upgrading all traffic signals (approximately 275) in District 05 from electromechanical to electronic controller operations. • Worked closely with private developers and public entities regarding access to proposed developments to ensure conformance with DOTD standards • Completed construction lay-out of pavement markings on numerous highway construction projects, including centerline passing/no passing zone markings on overlay projects. • Served as the legal expert in traffic engineering for District 05, and responded to interrogatories and requests for production, gave depositions, and testified in court

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

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.					
Name	**Jonathan Duhe, PE, PTOE, RSP**			Years of experience with this firm/employer	11
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 / 03-31-25; PTOE No. 4418; RSP No. 282		
Year registered	2016	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Traffic Studies and Signal Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 - Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a 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 @ LA 73 (Ascension) (SPN. H.014366)**; Traffic Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) 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.
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	**Charles Adams, PE, PTOE**			Years of experience with this firm/employer	16
Title	Senior Project Engineer			Years of experience with other firm(s)/employer(s)	14
Degree(s) / Years / Specialization			BS / 1992 / Civil Engineering		
Active registration number / state / expiration date			PE No. 27440 / LA / 9-30-25; PTOE No. 878		
Year registered	1997	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic Control Plans / TMP / Signal Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/23 – Present	**Wemple Road & Innovation Drive Study, Bossier, LA**: NSI performing a traffic evaluation to determine whether a new N/S road would be justified between Wemple Road and Innovation Drive. Mr. Adams is performing the study and analyzing the impact on the surrounding intersections. Project Manager.
10/22 – Present	**East-West Connector (Winfield Road Congestion Relief)**: NSI Performing a Traffic Study and Line and Grade for a new east-west corridor through Bossier Parish. Charles is overseeing the Traffic Study portion of the project and all intersection analyses for the four major intersections. Project Engineer.
08/20 – Present	**I-10 & I-12 College Dr. Flyover Ramp, Baton Rouge, LA**: NSI is performing IMR, TMP, preliminary design, final design, review of TTC plans, and signal design. Charles is reviewing all TTC plans and developing preliminary signal plans.
02/18 – Present	**Kansas Lane-Garrett Road Connector, Monroe, LA**: NSI performing TMP for project as well as developing temporary signal design plans, developing permanent signal design plans, and developing fiber plans to relocate impacted fiber. Charles is preparing the TMP and all signal design plans. Project Manager
12/17 – Present	**South city Parkway Extension, Lafayette, LA**: This project will construct a new 1.7 – mile, 4 lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. The roadway and drainage design are being completed in conformance with LADOTD guidelines. Includes 5 multilane roundabouts.Charles is providing the Traffic Control Plans.
07/16 – Present	**I-49 at Verot School Rd, Lafayette, LA**: NSI is preparing design plans and reviewing the TTC plans and the TMP. Mr. Adams is reviewing the TTC plans and developing the TMP for the project.
08/12 – 03/19	**LA 1026 (Juban Rd) Widening, Livingston Parish, LA**: Highway widening project with roundabouts. Prepared TCP
12/17 – Present	**Southcity Parkway Extension, Lafayette, LA**: This project will construct a new 1.7 – mile, 4 lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. The roadway and drainage design is being completed in conformance with LADOTD guidelines. Includes 5 multilane roundabouts. Charles is providing the Traffic Control Plans.
08/08 – 08/12	**LA 33 Roundabout Study, Ruston, LA**: NSI provided a completed Traffic Study related to the proposed roundabouts at LA 33 and I-20 WB off-ramp and I-20 at the I-20 EB off-ramp in Ruston, LA. Sr. Project Manager
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (line and grade).
11/21 – 12/21	**Swan Lake Road Speed Study, Bossier City, LA**: NSI performed speed studies along Swan Lake Road from US 80 to Modica Lott Road. Mr. Adams oversaw the analyses and prepared the report of findings. Project Manager.
10/21 – 05/22	**Hurricane Ida Emergency Lighting and Signage Project, New Orleans, LA**: NSI performed day inspections of all signs and day and night inspections of all streetlights within Zone 3. Charles coordinated and oversaw all operations of the project as well as participated in inspections along the interstate system.
08/21 – 12/21	**LA 840-6 at Oliver Road, Monroe, LA**: NSI performed a traffic study for the intersection to determine whether left turn lane phasing would be appropriate for the Oliver Road approaches. Charles oversaw the analyses for the project. Project Manager.

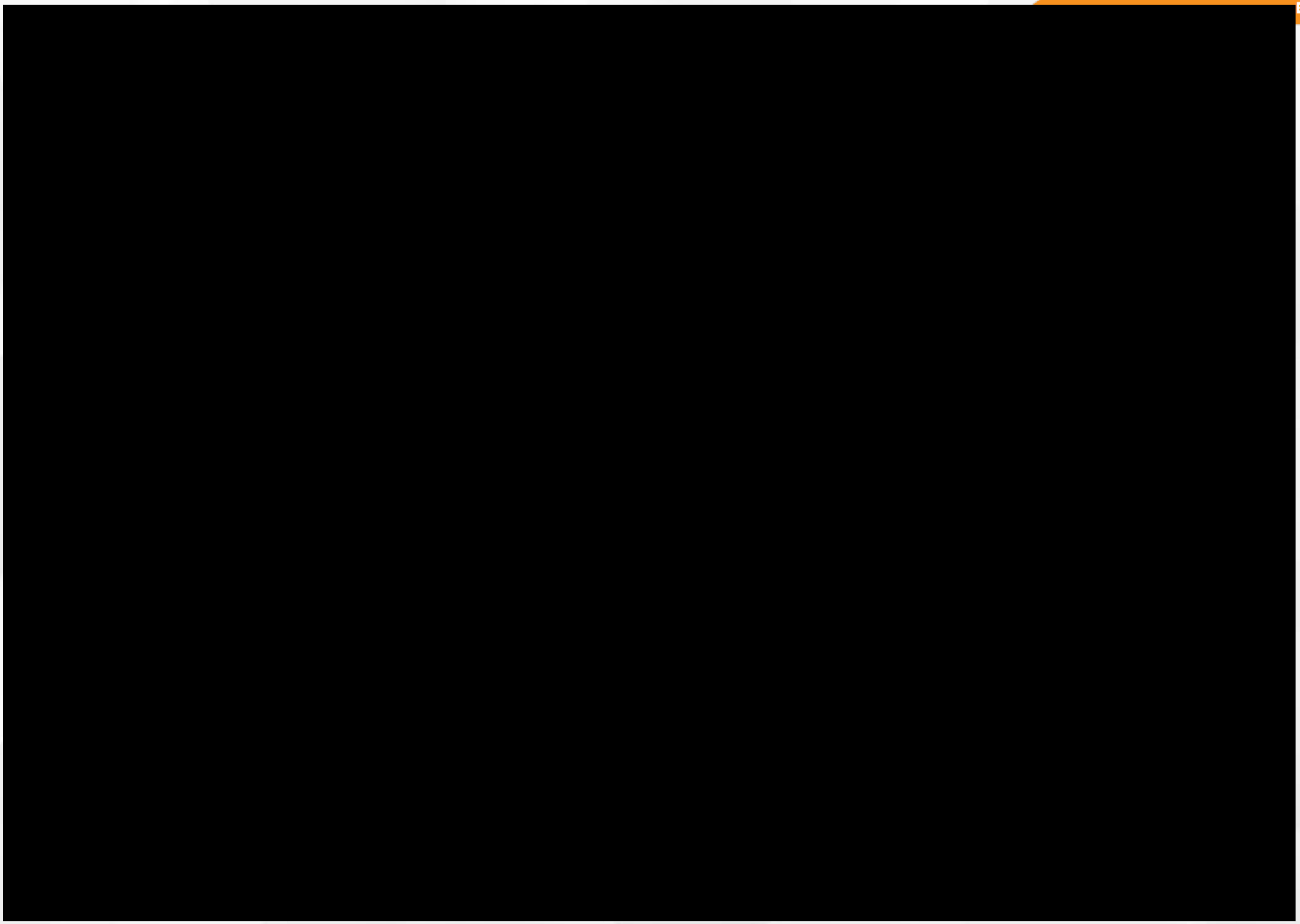
10/21 – 12/21	**Wemple Road at Old Brownlee Road Intersection Safety Study, Bossier City, LA**: NSI performed a Safety Study to evaluate the existing conditions of the intersection and to determine whether modifications would be beneficial. Mr. Adams performed all analyses for the study and oversaw the data collection for the project. Project Manager.
05/21 – 08/21	**Tulane Avenue Chick-fil-A, New Orleans, LA**: NSI performed a Traffic Assessment and circulation assessment for a new Chick-fil-A restaurant in the City of New Orleans. Charles performed analyses, observations and oversaw the circulation assessment. Project Manager.
04/21 – 08/21	**Signal Design for Airline Drive and Barclay Blvd, Bossier, LA**: NSI developed traffic signal plans for the new intersection of Airline Drive and Barclay Blvd. Charles was the designer and developed signal phasing and timings for the project. Project Manager.
02/21 – 05/21	**LA Tech Student Housing Study, Ruston, LA**: NSI performed a traffic study for new student housing complex that would serve LA Tech University. Charles performed all intersection analyses for the project. Project Manager
09/20 – 06/21	**Venture Global LNG Traffic Study, Plaquemines, LA**: NSI performed numerous traffic assessments for a new LNG facility along LA 23 in south Plaquemines Parish. Mr. Adams performed intersection analyses, prepared TTC plans, and reviewed construction sequencing to reduce the impact on the traveling public.
09/20 – Present	**W Esplanade Ave at Carrollton Street, Metairie, LA**: NSI is preparing preliminary and final signal design plans for the intersection of W Esplanade Ave and Carrollton Street. Mr. Adams is preparing the signal plans. Project Manager.
08/20 – 10/20	**St Vincent Avenue at 84th Street, Shreveport, LA**: NSI prepared preliminary and final traffic signal plans for the intersection. Mr. Adams prepared preliminary and final signal plans. Project Manager.
11/19 – 07/20	**Golden Pass LNG Safety Study, Port Arthur, TX**: NSI performed traffic safety assessments along FM 87 for the entrances to the LNG facility as well as developing signing plans and lighting plans for each entrance. Project Manager.
03/19 – 07/19	**Remco Drive Extension, Haughton, LA**: NSI performed a traffic study to determine feasibility for extending Remco Drive from US 80 to Bodcau Station Road. Mr. Adams performed observations and analyses. Project Manager.
01/19 – 03/20	**LA 3 at Walter O Bigby Carriageway, Bossier City, LA**: NSI performed Signal and Sign Design. Charles developed signal timings and signal phasing as well as prepared the traffic signal plans for the intersections of LA 3 at Walter O Bigby Carriageway and US 80 at Hamilton Road. Project Manager.
06/18 – 08/18	**Linton Road Extension, Bossier Parish, LA**: NSI performed traffic study to determine feasibility of extending Linton Road to Fairburn Road. Mr. Adams performed analyses. Project Manager.
06/17 – 03/18	**Port Access Improvements, New Orleans, LA**: NSI performed extensive analyses and developed alternative accesses from I-10 to the Port of New Orleans. Charles performed observations and analyses.
01/17 – 07/17	**TCP for Transmission Line Installations, Terrebonne & Assumption Parishes, LA**: NSI prepared TTC plans for numerous installation sites throughout both parishes. Charles developed and prepared all TTC plans. Project Manager.
12/19 – Present	**US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA**: Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR. Project includes signalized intersections. Charles performed traffic engineering and public outreach.
Career History	Over the past 30 years, Charles has consistently managed and designed projects for the City of Bossier City as well as for the Bossier Parish Police Jury. During 2008 – 2015 he served as Neel-Schaffer's Shreveport Office manager and continues to maintain the relationships gained from that experience. He has established relationships in the local community and knowledge of the project area. His experience in the area includes Traffic Data Collection, Traffic Signal Timing, Traffic Signal design, Traffic Operations, Traffic Safety, ITS and Transportation Engineering. He manages a wide range of local and regional projects that vary in complexity from developing traffic control plans for major construction projects and traffic signal timing plans to performing roundabout feasibility studies and other traffic related studies for both public and private clients. Prior to joining NSI, Charles was employed by LADOTD as a District Traffic Engineer in the Bossier District and then as the State Traffic Engineer. Mr. Adams is a certified Professional Traffic Operations Engineer and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

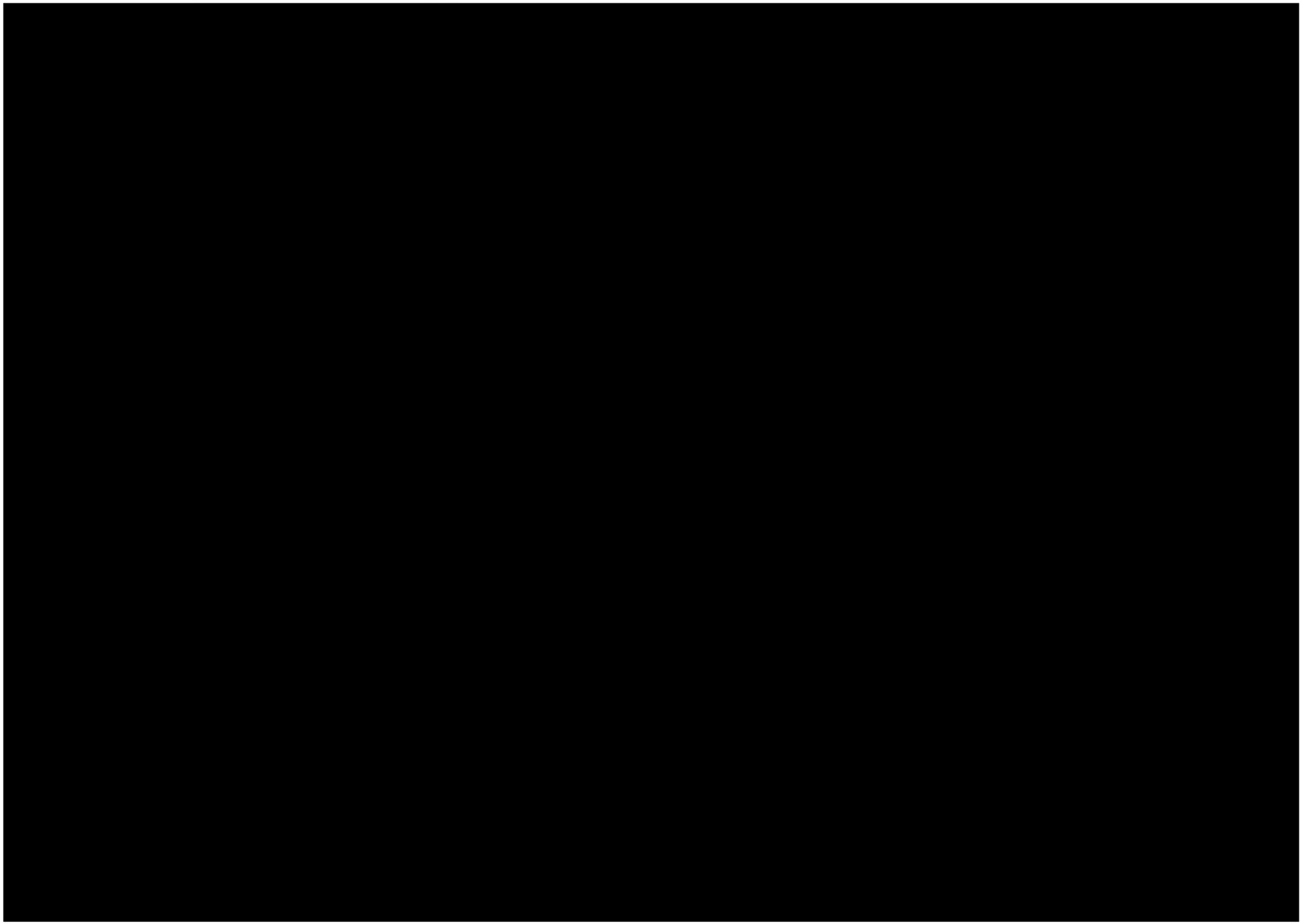
16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Seth Popay, EI**			Years of relevant experience with this employer	5
Title	Project Engineer			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2019 / Civil Engineering		
Active registration number / state / expiration date			EI No. 34729 / LA / 3-31-25		
Year registered	2021	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Traffic & Safety Analyses; Data Collection		

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 three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; 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 @ LA 73 (Ascension) (SPN. H.014366)**; Traffic Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) 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.
12/20 – Present	**College Dr. Enhancement Project (MOVEBR) Baton Rouge, LA**: Engineer Intern. 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 travel time runs and collecting crash reports. Also assisted with performing a safety analysis using LADOTD's Cat Scan safety tool.
01/21 – 03/21	**District 05 Safety Investment Plan, Monroe, LA**: NSI evaluated crash history on the state and local highway network to identify potential roadway issues as well as potential infrastructure and operations safety countermeasures for nine parishes in DOTD District 05. Reviewed crash reports and data to be converted into one-page summaries of the segments and intersections involved in the study.
12/20 – Present	**Proposed Ouachita Middle School TIS, Statewide, LA**: NSI performed a Traffic Impact Study (TIS) for Ouachita Parish School Board. The proposed middle school was to be located on the corner of a proposed development. Helped with data collection of turning movement counts (TMC) and peak hour observations. HCS software was used to analyze turn lane movements and proposed driveways. Engineer Intern
12/20 – 02/21	**Ellis Estates TIS, Denham Springs, LA**: NSI performed a Traffic Impact Study (TIS) for NOCO, LLC. The new development is to be located on the south side of Buddy Ellis Road in Livingston Parish, LA. This was a Threshold 2 study based off Livingston Parish's Traffic Impact Policy, which aimed at analyzing the proposed access to the proposed site. Trip generations were constructed based off existing and future condition volumes. Turn lane and intersection analysis was conducted using HCS software. Determined roundabout capacity and Level of Service (LOS) of the intersection of Buddy Ellis Ln at Juban Road using Sidra Intersections. Engineer Intern

01/22 – Present	**N 5th St – N 6th St Traffic Study, Monroe, LA**: Engineer Intern. Performed a safety analysis of the two corridors as well as a safety analysis of the major intersections along both corridors using LADOTD's Cat Scan safety tool.
01/21 – Present	**I-10 ITS Scott to Lake Charles, Statewide, LA**: NSI performed various engineering design and ITS analysis for CCTV cameras along I-10 corridor. These tasks included detailed analysis, CAD drafting, and cost estimates of materials. Developed CAD plan sheets of CCTV camera pole locations and line work for various conduits/cables. Detail sheets were created for finalized 60% plans. Engineer Intern
10/21 – Present	**FYA Signal Improvements, Lafayette, LA**: NSI performed intersection inventory of requested signals in the city of Lafayette. The new signal inventory was used to develop new TSIs (Traffic Signal Inventory) as well as recommend the requested modifications to the signals that need upgrading. Engineer Intern
08/21 – Present	**Synchronization and Communication Signal Rebuilds Phase 2 – Group 4, Baton Rouge, LA**: MOVEBR identified six signals for group 3 that needed improvements. NSI evaluated crash history at the project intersections to identify potential roadway issues as well as potential safety countermeasures. HCS software was used to analyze the roadway network and develop new signal timings. Developed and designed CAD sheets to upgrade the existing intersection equipment to current design standards. Engineer Intern (Synchro, Clearance Calcs, AutoTurn, MicroStation)
03/21 – Present	**Signal Timing Analysis and Corridor Study for Hwy 6, Missouri City, TX**: NSI performed data collection along a corridor section of highway 6 in Missouri City, Texas. Synchro software was utilized to analyze the existing signal timings along the corridor section as well as develop new recommended timings for the signals along the corridor. Engineer Intern
08/21 – 02/22	**LA 16 Access McDonalds/ Urgent Care TIS, Watson, LA**: Engineer Intern. Assisted with data collection including peak hour observations and TMC counts. Performed turn lane analysis and intersection analysis. (HCS software)
02/22 – Present	**Patriots Point Mixed Use Development TIS, Watson, LA**: Engineer Intern. Performed trip generation as well as trip distribution. Assisted with turn lane analysis and intersection analysis. (HCS software)
03/21 – Present	**Synchronization and Communication Signal Rebuilds – Group 3, Baton Rouge, LA**: MOVEBR identified six signals for group 3 that needed improvements. NSI evaluated crash history at the project intersections to identify potential roadway issues as well as potential safety countermeasures. HCS software was used to analyze the roadway network and develop new signal timings. Developed and designed CAD sheets to upgrade the existing intersection equipment to current design standards. Engineer Intern (Synchro, Clearance Calcs, AutoTurn, MicroStation)
12/21 – 01/22	**LA 1256 Corridor Study, Lake Charles, LA**: Engineer Intern. Collected and reviewed crash reports. Assisted with safety analysis for three intersections along LA 1256 corridor using LADOTD's Cat Scan safety tool.
Career History	Mr. Popay is an Engineer Intern with experience in multiple traffic and safety engineering software packages including HCS, SYNCHRO, Vissim, SIDRA and LADOTD's CAT Scan safety tool. Mr. Popay has completed DOTD's Traffic Engineering Process and Report (TEPR) training





16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Clarke Chauvin, PE, PTOE, PMP**			Years of experience with this firm/employer	1
Title	Transportation Project Manager			Years of experience with other firm(s)/employer(s)	13
Degree(s) / Years / Specialization			BS / 2013 / Civil Engineering;		
Active registration number / state / expiration date			PE No. 41770 / LA / 09-30-2025; PTOE No. 4337		
Year registered	2017	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Engineering Design, Studies, Analyses, Technical Expertise		

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 – Present	**Lake Charles Regional ITS Architecture Update:** Project Manager – Clarke is managing this ITS Regional Architecture Update on an expedited schedule. This update includes the evaluation of the existing ITS inventory and stakeholder engagement. Based on the findings of the existing ITS inventory and stakeholder needs, the updated ITS Architecture Report provides recommended ITS projects with cost, ITS services, interfaces, and architecture for the region.
05/24 – Present	**Shreveport-Bossier Regional ITS Architecture Update:** Project Manager – Clarke is managing this ITS Regional Architecture Update on an expedited schedule. This update includes the evaluation of the existing ITS inventory and stakeholder engagement. Based on the findings of the existing ITS inventory and stakeholder needs, the updated ITS Architecture Report provides recommended ITS projects with cost, ITS services, interfaces, and architecture for the region.
05/24 – Present	**Houma Regional ITS Architecture Update:** Project Manager – Clarke is managing this ITS Regional Architecture Update on an expedited schedule. This update includes the evaluation of the existing ITS inventory and stakeholder engagement. Based on the findings of the existing ITS inventory and stakeholder needs, the updated ITS Architecture Report provides recommended ITS projects with cost, ITS services, interfaces, and architecture for the region.
10/20 – Present	**I-10 ITS Scott to Lake Charles, Lafayette, Acadia, and Jefferson Davis Parishes, LA:** Project Manager - Clarke served as Project Manager to develop construction plans for 15 CCTV sites along I-10. With his background in hands-on ITS work, Clarke was able to provide unique insights into the project after it moves past construction and into preventative maintenance. Additionally, his experience with DOTD's network allowed him to perform communications design which bring existing isolated sites into the project and to create network redundancy through fiber optic rings to better serve DOTD's long term needs. The design of this project is completed, and Clarke continues to serve this project as the point of contact for technical support during construction.
07/23 – Present	**Northshore Regional ITS Architecture Update:** Project Manager – Initially serving in a role to provide technical support to architecture updates through RAD-IT, Clarke is now project manager and has worked to update all aspects of the ITS Architecture including operational concepts, functional requirements, interface requirements, ITS standards, proposed project costs and sequence, as well as the ITS Architecture Report.
09/22 – 06/24	**Alexandria ITS Phase 2 Design:** Project Manager – Initially serving as a subconsultant, providing expertise in ITS network and communications design, Clarke now provides oversight over the entire project. In addition to providing traditional fiber communications design, Clarke performed a wireless analysis for a point-to-point backhaul link, comparing alternative radio equipment with varying frequencies, to identify feasibility and reliability of communications which would bridge both sides of the Red River, in Alexandria.

03/16 – 03/24	**ITS Management, Operations, and Maintenance Engineering and Inspections (ME&I), Statewide, LA:** Project Manager. Through multiple iterations of this contract, Clarke has served as a pre-professional, engineer, and project manager for the ITS Maintenance Retainer Contract. He has performed routine maintenance on emergency crossover gates, travel time message system, CCTV camera sites, RVD sites, ramp meter sites as well as DMS sites. His skills include but are not limited to: device troubleshooting, communication and network troubleshooting, parts replacement, as well as coordinating with law enforcement, TMC operations staff, and DOTD. He has had additional training in ITS devices, networking, wireless communication, and fiber optics and has utilized this information to be an effective trouble shooter and problem solver on the ITS Maintenance Retainer. A critical component of his efforts on this project were his ability to understand DOTD's ITS network to implement and propose improvements in communications and network structure which improved reliability and redundancy.
08/23 – 03/24	**Bonnet Carre SEA:** Project Manager - As someone with hands on experience maintaining the Bonnet Carre spillway infrastructure for years prior, Clarke played a critical role in developing a plan for assessment of the existing infrastructure. As project manager, Clarke developed checklists for key components to be assessed as well as performing hands on inspection of the electrical, communications, and ITS infrastructure. Upon identifying an electrical hazard, Clarke proposed and implemented an emergency plan to temporarily resolve the issue until such time as it can be permanently resolved. Clarke performed network design, identifying the existing communications, proposed repairs/replacements (fiber, wireless, hybrid), and discussed alternatives with DOTD to ensure continued operation even if the project needed to be broken into phases. Clarke also led efforts to implement an RWIS system in response to the I-55 "Superfog" incident.
06/22 – 10/22	**ITS Fiber Management System Data Collection:** Project Manager - Clarke led a field team to perform OTDR fiber testing and data collection, training personnel and providing quality control on collected data. With years of hands on experience with ITS and signal sites, Clarke was able to ensure proper inventory collection and validate fiber testing results. This helped develop a quality fiber management system for DOTD's future use.
06/19 – 03/24	**LADOTD DSRC Connected Vehicle Pilot, Baton Rouge, LA:** Project Manager - DOTD's first connected vehicle project. He managed a crew for the installation of Spectra RSU devices and worked with manufacturers and DOTD personnel to ensure the integration and operation of the devices. Even though there were many challenges with this first of its kind project, Clarke's hands-on experience allowed him to step in and update code on the devices to ensure proper functionality with DOTD's system. Clarke continued to support the system through maintenance after construction. Recently, Clarke led the upgrade to these devices required by new FCC requirements with CV2X communications.
03/16 – 07/19	**SASOL Lake Charles Chemical Project – System A – Adaptive Traffic Signal System, Westlake, LA:** Project Engineer - In support of LA's first adaptive traffic signal corridor, Clarke provided signal design support for multiple intersections. His efforts included developing preliminary signal permit plans, developing timing models, conducting field investigations, providing quantities, constructability reviews, and signal construction inspection. As the project developed, Clarke supported improved network design and implementation through wireless communications and supplemented the signal corridor with additional ITS including CCTV, vehicle detection, and Bluetooth detection.
09/18 – 03/24	**GNOEC Safety Bays, Greater New Orleans Expressway Commission, Metairie, LA:** Project Engineer. To promote safety and reduce congestion along the longest bridge in the world, Clarke was involved in designing an ITS system to supplement 12 safety bays currently under construction on the Causeway Bridge across Lake Pontchartrain. In addition to evaluating detection technologies to handle a non-standard application, Clarke worked to devise a communication system to remotely notify TMC staff when these safety bays were occupied to provide emergency assistance as quickly as possible. This included planning a detection system, a remote notification system, a CCTV camera system, and allocating fiber optic cables to design a redundant fiber optic ring. After construction, Clarke continued to support this system through maintenance and operations.
Career History	Mr. Chauvin joined Neel-Schaffer in 2024 and serves as a Senior Project Manager based in the firm's Baton Rouge, LA office, focused on Intelligent Transportation Systems (ITS), traffic signals, and traffic studies. Clarke brought more than a decade of transportation and over 20 years of electrical experience when he joined the firm. He has extensive experience working on projects for DOTD, performing services including: feasibilty studies, SEAs, ITS and communications design, integration, installation, and maintenance, deploying new technologies, and technical support. Clarke holds specialty certifications in PTOE, PMP, TCT/TCS, TEP&R, NFPA 70E, IMSA Signal Technician Level 1, 2, & Inspector, ESA Networking 101-106, RCNA/RCNP, various ITS hardwares, and completed qualifications for LASFM Security Qualifier and Statewide Electrical Contractor.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Jacob Thiaville, EI**			Years of relevant experience with this employer	2
Title	Project Engineer			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2022 / Civil Engineering		
Active registration number / state / expiration date			EI No. 35368 / LA / 09-30-25		
Year registered	2023	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Road Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 - Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.
11/22 – Present	**East West Corridor Winfield Rd Ext**.: Created Concept typical sections, templates to run model, corridor and surface, set up limits of construction and req'd ROW, line and grade design, plan production, Helped with traffic analysis report graphics for ADT and queue lengths. TOOLS: Inroads SS2 Modeler (Create Template and Roadway Designer), Inroads Surface, Copying 1300x400' Clipping boundary and Trimming
05/22 – 02/23	**Iberia Parish Signing and Striping, Iberia Parish, LA**: Created CL Alignment, Completed all regulatory signing and quantities located all existing regulatory signs and determined if they needed to be relocated, removed or replaced. Determined Type and Size of Sign from MUTCD, Quantified all regulatory sings for urban and rural areas. Tools: InRoads alignment tracking, Excel, MicroStation, MUTCD, Google Earth, LA Tax Assessor
05/22 – 05/23	**Downtown Connector-BR Sidewalk, Greenway, LA**: Quantities and Basic Drafting. Completed summary sheets. Tools: InRoads alignment tracking, Excel, Google Earth
05/22 – Present	**LSU Lab School SRTS Sidewalk Project**: Plan production and quantities. Completed all quantities and summary sheets. Tools: InRoads alignment tracking
10/22 – Present	**E Milton Ave Roundabout @ Chemin Metairie Rd, Youngsville, LA**: Inlet Spacing and Storm Sewer System design with DOTD hydraulics software, Utility Coordination, Plan production. Delineation of Drainage Areas, determination of drainage parameters, designing pipe networks to accommodate constraints, created DOTD utility conflict matrix spreadsheet and proposed utility layout (plan) to show what utilities need to be relocated. Tools: InRoads ss10, RAB Layout Guide Sheet, AASHTO, DOTD Roadside Design Manual, HYDRWIN, Excel, Hydraulics Manual, Rational Method Spreadsheet.
05/22 – Present	**W Broussard Roundabout @ Duhon Rd, Lafayette, LA**: Inlet spacing and pipe system (1st Time), basic plan/profile drafting including (focus on Inlet Spacing): CB-06, CB-08, low points, stations, drainage areas. Tools: InRoads ss10, HYDRWIN, Hydraulics Manual, Rational Method Spreadsheet

07/22 – Present	**Eden Isles Roadway, HWY 11 and Lakeview Dr**: Assisted with proposal design alternatives. Assisted drafting 3 alternative designs with u-turn bulb outs for PC and WB67 vehicles, annotating the sheets for stage 0. Tools: InRoads ss2, DOTD Roadside Design Manual, AASHTO
08/22 – Present	**Chemin Metairie Pkwy @ Guillot Rd (Roundabout), Lafayette, LA**: Plan production, sequence of construction temporary signing design and AutoTURN. Using MUTCD and standard plans to come up with temporary signing layout for construction phases, running AutoTURN with WB67 design vehicle through all the phases of construction. Tools: InRoads ss2 alignment tracking, MUTCD, LaDOTD Standard Plans, AutoTURN
01/23 – Present	**I-49 at Verot School Rd Interchange Design, Lafayette, LA**:: Completed concrete joint layout for interstate ramps and turnouts, Used OpenRoads Sign CAD to create interstate guide signs. Tools: Openroads SignCAD, MUTCD, DOTD Sign Manual, SignCAD user guide, google earth, excel, LADOTD Standard plans
05/22 – Present	**LA 544 and I20 (Overpass Replacement 4 RAB)**: Signing quantities and plan production. Checking sign quantities and basic mark ups, Project was near completion when I arrived Tools: InRoads ss2 alignment tracking, Excel, MicroStation, MUTCD
Career History	Jacob recently joined our New Orleans office as an Engineer Intern working in our Transportation Department. He was an intern in the Baton Rouge office from May 2022 through December 2022. After graduating in December from Louisiana State University with a Bachelor of Science in Civil Engineering, Jacob joined the firm on a full-time basis.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Ryan Lam, EI**			Years of experience with this firm/employer	>1
Title	Graduate Engineer			Years of experience with other firm(s)/employer(s)	0.5
Degree(s) / Years / Specialization			BS / 2023 / Civil Engineering		
Active registration number / state / expiration date			EI 35526 / LA / 03-31-26		
Year registered	2023	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Road Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 - Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.
07/21 - 08/21	**LA 1088: Soult and Trinity Roundabouts, St. Tammany Parish, LA:** Ryan assisted with the title sheet and typical sections, cut plan/profile sheets and displayed the vertical alignment, created reference and benchmark sheets. This project consisted of 2 roundabouts to reduce existing congestion and accommodate future traffic. Tools: MicroStation, InRoads alignment tracking
07/21 - 08/21	**LA 70: Sunshine Bridge – LA 22, St. James and Ascension Parishes, LA:** Ryan assisted in typical sections, created geometric details sheets. This 5.148 mile project consisted of widening the roadway into 4 lanes. Tools: MicroStation, InRoads alignment tracking, Excel
08/23 – Present	**I-49 at Verot School Rd. Interchange Design, Lafayette, LA:** Ryan switched out reference files and annotated call outs on plan/profile sheets, determined sign sizes for signing summary sheets. This project includes 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 School Road and I-49 and a roundabout at the relocated intersection of Verot School Road and South College Road. Part of this project also includes a new interchange over multilane highway and railroad, converting at-grade railroad crossing to above grade crossing, and reconstructing four at-grade railroad crossings. Tools: MicroStation, MUTCD
08/23 - Present	**Ascension Parish Signing and Striping, Ascension Parish, LA:** Ryan assisted in the feasibility report by creating aerial exhibits displaying the project limits. This project includes 56 miles of roadway including 44 sites for signing and striping. Tools: Google Earth, Microsoft Word

06/21 - 07/21	**Amite River Bridge Near French Settlement, Livingston Parish, LA:** Ryan calculated the quantities and updated the summary sheet tables for a temporary widening change order. This 1.126 mile project consisted of designing a new bridge and realigning and relocating River Bend Rd. Tools: MicroStation, Excel, InRoads alignment tracking, LADOTD Road Design Manual, LADOTD Standard Plans and Special Details
08/23 – Present	**I-69 SIU 15 Grant Application, Caddo and Bossier Parishes, LA:** Ryan determined changes in land use, predicted the future cost of the project, and created a project schedule. This project will provide a new direct connection between I-49 and the Port of Caddo Bossier by constructing a new two-lane roadway, reconstructing existing roadways, and replacing existing bridges. Neel-Schaffer completed the stage 0 feasibility study and is now working on this grant application to assist with its funding. Tools: Google Earth, Excel Project Specific
08/23 – Present	**Chemin Metairie Pkwy. at Guillot Rd. Improvements, Lafayette Parish, LA:** Ryan assisted in creating the signing layout and cut sheets. This 0.52 mile project will reconstruct a single lane roundabout into a multi-lane roundabout. Tools: MicroStation, InRoads alignment tracking, MUTCD
12/21 – 01/22	**LA 1256 intersection improvements (Calcasieu Parish):** project will construct multiple turn lanes along 1256. Drainage improvements are included along with signal design. Road design and drainage design are in conformance with DOTD requirements. Design services.
06/22 - 07/22	**LA 109: Gully Bridge, Calcasieu Parish, LA:** Ryan filled out the design report. This 0.09 mile project consisted of a bridge replacement. Tools: LADOTD Minimum Design Guidelines
Career History	Ryan recently joined our Baton Rouge office as an Engineer Intern working in our Transportation Department.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**William (Don) Lancaster, PE**			Years of experience with this firm/employer	18
Title	Senior Project Manager			Years of experience with other firm(s)/employer(s)	22
Degree(s) / Years / Specialization			BS / 1982 / Civil Engineering		
Active registration number / state / expiration date			PE No. 22821 / LA / 09-30-2025		
Year registered	1987	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Utility Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Utility Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Utility Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Utility 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.
03/07 – 04/11	**Bay Saint Louis Infrastructure Repairs, Bay St. Louis, MS:** Project Manager for the planning, design, bidding, and construction management of this program. Supervised the engineering and support staff responsible for design and construction administration of over $70 million in water, sewer, gas distribution, roadway, and sidewalk improvements.
04/24 – Ongoing	**Pelican Park Water System - Water Modeling, Mandeville, LA:** Project Manager. Evaluated the need for a new water well and storage tank at Pelican Park, located in Mandeville, LA. Neel-Schaffer used InfoWater Pro to developed a hydraulic model of the water system that delivers pressurized flow to the park's playing fields and buildings. A data collection effort was conducted that fielded all the park's available information of the pipe network layout, existing wells, pumps, tanks, and sprinkler heads, and logs of monthly water usage. The model incorporated findings and associated properties such as the head losses, flow demands, and system's compliance with Louisiana Department of Health's water pressure requirements. Multiple scenarios were analyzed including adding a new well and tank. The results of modeling were presented in a report that established the benefits of a new well and tank and identified areas in the network where the pipes are undersized for the demands.
06/20 – 11/24	**Oak Glen Drainage Improvements, Harris County, TX:** Project Manager. The project covers approximately 59 acres of subdivision drained by roadside ditches and culverts. These ditches drain and discharge into two separate outfalls. Flat topography and sediment buildup resulted in the reduced capacity of this drainage system. Most of the ditches do not meet the minimum slope criteria with occasional adverse slopes of the ditches, and low-lying residential lots with grades below the roads. The proposed improvements will be sized to achieve the Atlas 14 100-year level of service and combine roadside ditches with inlets draining into a storm sewer system sized for the 100-year event. Prior to outfalling into the channel, peak flow impacts are being mitigated within two proposed detention ponds.

2018 – 2019	**The Groves, Pelican Park, Mandeville, LA:** Project Manager for programming, schematic design, final design, bidding and construction phase services for this $1.8 million green space and multi-generational park project for Pelican Park in Mandeville, Louisiana. The project converted an unused baseball field and surrounding area into a multi-use facility that incorporates a detention pond feature circled by a walking trail. Project also includes a walkway routed through an oak grove, elevated to prevent damage to tree roots, as well as various adult recreation amenities including bocce ball courts, pickleball courts, shuffleboard, horseshoes, exercise equipment and other park amenities. The pond includes timber bulkheads and fountains as well as spillways for discharging storm event overflows. The project engineering included geotechnical engineering, a hydrology and hydraulics study supporting site drainage design and pond hydraulics, civil sitework, site-lighting and landscaping.
2/21 – Ongoing	**City of Mandeville Wetlands Restoration:** Project Manager for Lakefront Wetlands Restoration Project that will prevent further degradation of the wetlands and restore a functioning wetlands ecosystem within the area. Storm water from the Galvez and Massena outfalls will be directed through created wetlands, improving water quality within Lake Pontchartrain. The project established a best practice for creation of new wetlands, provided engineering concepts in support of multiple storm water routing alternatives and coastal engineering concepts for the design of a storm-resistant shoreline closure with an integral bike path and pedestrian link between Old Mandeville and Sunset Point Park.
11/2017 – 2019	**Repairs to Mississippi River Fender Systems, New Orleans, LA:** Project Manager for engineering services to New Orleans Sewerage and Water Board for a multi-phase effort to analyze the damaged dolphins and design replacement structures at the Oak Street and New River Intakes. The dolphins were damaged when a crude oil tanker traveling on the Mississippi River struck the New River Intake and then struck the Old River Intake before continuing down river. The intakes remained functional but the protective dolphin structures were damaged at both river intakes.
2013 – Ongoing	**Water Line Replacement Program, New Orleans, LA:** Project Manager for design, construction administration and resident inspection for water line replacements on over 80 blocks in the Mid-City, City Park and Dixon Neighborhoods. These replacement projects are part of the Joint Infrastructure Recovery Roads Program (JIRR) between the Sewerage and Water Board (S&WB) of New Orleans and the Department of Public Works (DPW). These projects include replacing undersized and aging infrastructure that was damaged during Hurricane Katrina. The 80+ blocks of water line improvements are separated into nine group projects and coordinated with DPW's roadway improvement projects. This coordination between S&WB and DPW allows each group to be bid as one project and reduces the impact on residents and businesses in the area.
01/08 – 11/13	**Gurney Road Sewer Area Upgrades:** Project manager and engineer for upgrades to the sanitary sewer system in this area. Work included replacement of the pump station to alleviate sanitary sewer overflows (SSO) as well as up-grade the force main exiting the station. The project included a new 2.85 MGD submersible triplex station and approximately 5 miles of force main.
2009	**Pumping Station and Force Main for the Hancock County Utility Authority:** Project Manager for a project that provides a pump station and force main to transport flows from an area that is experiencing high-density development. The project includes 1.4 MGD submersible wastewater pump station; 5 miles of force main from the station to the WWTF; and upgrades to pumps at an existing station that manifolds to new station.
03/10 – 05/16	**Bayou Duplantier Upgrades for City of Baton Rouge/E. Baton Rouge Parish DPW:** Project manager for upgrades to the sanitary sewer system in the Bayou Duplantier area. Work included improvements to a gravity sewer system to alleviate sanitary sewer overflows (SSO). The project included approximately 12,500 linear feet of gravity sewer pipeline 15 to 36 inches in diameter.
12/19 – Ongoing	**Safe Haven Blue Green Campus Master Plan, St. Tammany Parish, LA:** Project Manager. Development of a master plan and designing drainage improvements for the 293-acre Safe Haven complex. Responsibilities on the project include an assessment of the existing infrastructure including, roadways, parking, site utilities and site drainage; an environmental screening considering potential for impacts to wetlands and known species of concern, including consideration of required permits; design of improvements to site drainage emphasizing green infrastructure, including detention ponds, bioswales, and rain gardens.
Career History	Mr. Lancaster has over 40 years of experience in civil engineering and project management. He is the Civil Design Manager for Neel-Schaffer's Louisiana offices and Senior Project Manager for Neel-Schaffer's large Gulf Coast Katrina Recovery Projects. Prior to joining Neel-Schaffer, Mr. Lancaster was Design Manager for a national firm overseeing the Sewerage and Water Board of New Orleans' Sewer System Evaluation a¬nd Rehabilitation Program (SSERP). Responsibilities include overseeing all aspects of planning, design and construction administration. He was most recently Project Manager for the City of Bay Saint Louis Mississippi's FEMA utility replacement projects and the Sewerage and Water Board's (S&WB) Sewer System Rehabilitation for Hurricane Katrina Emergency Recovery Efforts. Mr. Lancaster offers his clients a wide range of design and project management experience leading to improved quality in the overall project.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Warren Huggins, PE**			Years of experience with this firm/employer	12
Title	Graduate Engineer			Years of experience with other firm(s)/employer(s)	12
Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering		
Active registration number / state / expiration date			PE No. 42443 / LA / 09-30-2026		
Year registered	2018	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Utility Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 - Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Utility Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Utility Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Utility 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.
08/17 - Ongoing	**Neighborhood Sewer Systems Improvements – Package 6, Houston, TX:** Project Manager. Providing engineering services for the design, bidding, construction administration to rehabilitate aging sewer in 5 project areas in a Houston neighborhood. the sewer improvements include the replacement and rerouting 6,800 feet of 8"-10", 3,000 feet of 15"-18" and 3,200 feet of 24" sanitary sewer. Most of the installation is designed to be constructed via trenchless technology by way of horizontal directional drilling and micro tunneling. The project also includes several water main segment replacements for constructability.
05/21 – Ongoing	**TM008 - Transmission Main and Water Main Replacement:** Project Manager for engineering design, bidding, construction administration and resident inspection services for an assortment of transmission, distribution water mains and sewer force main in several neighborhoods across New Orleans. The transmission main replacement includes 1,800 feet of 8"-12" distribution mains, over 750 feet of 20"-30" transmission mains, and over 500' of 48" transmission main. The sanitary sewer force main replacement includes over 500' of 30" force main and ties into a sewer pump station.
05/17 – 05/22	**RR104 - Lower Ninth Ward Northeast Group B – New Orleans, LA:** Project Manager. Providing engineering services for the design, bidding, construction administration and resident inspection to reconstruct 24 blocks in the Lower Ninth Ward Neighborhood. This full reconstruction includes full depth roadway construction, drainage replacement and improvements, water line replacement, sewer line replacement, handicap ramp improvements, sidewalk / driveway improvements, and drain line inspection and cleaning. The utility replacement consisted of over 10,000 feet of 8"-12" main line distribution and over 1,000 feet of 8"-12" sanitary sewer.

10/20 - Ongoing	**RR199 - West End Group G, New Orleans, LA:** Project Manager. Neel-Schaffer is providing engineering services for the design, bidding, construction administration and resident inspection to reconstruct 6 blocks in the West End Neighborhood. This full reconstruction includes full depth roadway construction, drainage replacement and improvements, water line replacement, sewer line replacement, handicap ramp improvements, sidewalk and driveway improvements. The utility replacement consisted of over 3,000 feet of 8"-12" main line distribution and over 1,300 feet of 8"-12" sanitary sewer.
08/12 – 08/15	**West St. Tammany Wastewater Treatment Consolidation, St. Tammany Parish, LA:** Project Engineer. Provide modeling and design services to consolidate wastewater treatment throughout west St. Tammany Parish (west of the Tchefuncte River and south of I-12) into its regional treatment facilities.
07/13 - 10/18	**Port of Gulfport Restoration Program – West Pier Construction Phases 1, 2, and 3, West Pier Facilities, Gulfport, MS:** Construction of over $160 million in port improvements including demolition, grading, storm drainage and site utilities, paving and roadway construction, electrical and site lighting, striping, railroad construction, transit shed, administration, and maintenance and repair buildings. Responsibilities include developing construction constraints and sequencing plans for all projects, design of some site utilities, and cost estimation duties.
01/17 – 02/19	**RR103 - Lower Ninth Ward Northeast Group A:** Project Engineer. Provided engineering services for the design, bidding, construction administration and resident inspection to repair and rehabilitate 82 blocks in the Lower Ninth Ward Neighborhood. This street rehabilitation project was part of the wave one Joint Infrastructure Recovery Roads program which is a comprehensive recovery strategy to repair Hurricane Katrina related damages on and beneath city managed streets throughout New Orleans. As the design consultant for the Department of Public Works, NSI coordinated with both the Sewerage and Water Board and FEMA throughout the scoping and design process.
05/20 - Ongoing	**RR125 - Mid-City Group B - Waterline Replacement, New Orleans, LA:** Project Manager provided design, construction administration and resident inspection for water line replacement on over 56 blocks located in the Mid-City Neighborhood. The waterline replacement consisted of over 25,000 feet of 8"-12" and 1,500 feet of 16"-20" main line distribution. This replacement project is part of the Joint Infrastructure Recovery Roads Program (JIRR) between the Sewerage and Water Board (S&WB) of New Orleans and the Department of Public Works (DPW).
02/18 - 10/21	**RR025 - City Park Water Line Replacement Program, New Orleans, LA:** Project Manager provided design, construction administration and resident inspection for water line replacement on 6 blocks located in the City Park Neighborhood. The water line replacement consisted of over 1,000 feet of 8"-12" and 800 feet of 16"-20" main line distribution. This replacement project is part of the Joint Infrastructure Recovery Roads Program (JIRR) between the Sewerage and Water Board (S&WB) of New Orleans and the Department of Public Works (DPW).
12/19 - Ongoing	**Safe Haven Blue Green Campus Master Plan, St. Tammany Parish, LA:** Project Manager. Development of a master plan and designing drainage improvements for the 293-acre Safe Haven complex. Responsibilities on the project include an assessment of the existing infrastructure including, roadways, parking, site utilities and site drainage; an environmental screening considering potential for impacts to wetlands and known species of concern, including consideration of required permits; design of improvements to site drainage emphasizing green infrastructure, including detention ponds, bioswales, and rain gardens.
Career History	Mr. Huggins has been in our New Orleans and Mandeville, LA offices since the fall of 2013. He designs and manages the construction of several FEMA – Funded Recovery Roads Program projects in New Orleans that include roadway reconstruction, ADA ramp improvements, water and sanitary sewer replacement and drainage improvements. Mr. Huggins previously joined our Ridgeland, MS office in the summer of 2012 for Neel-Schaffer, Inc.'s summer internship program. He's assisted in other disciplines such as airport design and planning, site design, coastal restoration, and bridge replacement.

16. STAFF EXPERIENCE

Firm employed by					
Name	**Steve Hazen, PE**			Years of experience with this firm/employer	15
Title	Senior Engineer			Years of experience with other firm(s)/employer(s)	34
Degree(s) / Years / Specialization			BS / 1974 / Civil Engineering		
Active registration number / state / expiration date			PE No. 18087 / LA / 03-31-2025		
Year registered	1979	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Bridge H&H/Scour		

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 three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; 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.
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (structural design.).
09/18 – 12/18	**I-220 / I-20 Interchange Improvement & BAFB Design-Build Proposal, Bossier Parish, LA**: Project Engineer. Design of preliminary roadway drainage and H&H analysis for Musselshell Bayou and its tributaries and HEC-RAS analysis of Red Chute Bayou to check for effect of road embankment on flood stages. Project included both bridges and box culverts. Preliminary design was in accordance with LA Standard Specifications for Roads and Bridges as well as LA DOTD Bridge Design Manuals.
02/10 – 10/11	**Off System Highway Bridge Program; Sparks Davis Rd Bridge over Tributary to Buchanan Bayou, Caddo Parish, LA**: Project Engineer. Work included HEC-RAS analysis of existing bridge opening and bridge replacement alternative plans. Existing bridge was a three-span concrete bridge, and the recommended alternative was four reinforced box culverts. Inspection and design were in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
02/10 – 02/11	**Off System Highway Bridge Program; White Springs Bridge over Wallace Bayou, Caddo Parish, LA**: Project Engineer for replacement of 2-lane, 164' long bridge. New bridge is a 180' long and 40' wide concrete quad beam bridge with 20' approach slabs. Work included HEC-RAS analysis of bridge opening and bridge plans. Design was in accordance with LA Standard Specifications for Roads and Bridges as well as LA DOTD Bridge Design Manuals.

02/10 – 06/10	**Off System Highway Bridge Program; South Lakeshore Drive Bridge over Tributary to Cross Lake, Caddo Parish, LA**: Project Engineer. Work included HEC-RAS analysis of existing bridge opening and bridge plans for the proposed replacement of two, 21-ft span concrete bridge. Recommendation was 4 reinforced box culverts. Inspection and design were in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
11/06 – 12/09	**Off System Highway Bridge Program; Country Road Bridge over Garrett Creek, Jackson Parish, LA**: Project Engineer. Hydraulic design of Off-system Bridge Replacement in Jackson Parish, using HEC-RAS. Project included design of bridge replacement for a 25 ft x 57 ft timber bridge with four 10x8 reinforced concrete box culverts. Inspection and design were in accordance with LA Standard Specifications for Roads and Bridges as well as LA DOTD Bridge Design Manuals.
06/06 – 01/08	**Off System Highway Bridge Program; Morningside Drive Bridge over Virginia Avenue Ditch, Caddo Parish, LA**: Project Engineer. Work included HEC-RAS analysis of bridge opening and bridge replacement alternative plans. Project included the replacement of a 20-ft single span concrete bridge with recommended alternative of two reinforced box culverts or 2 reinforced concrete pipe culverts based on hydraulic and economic analysis. Inspection and design proposals were in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
01/04 – 09/05	**US 167 - Jackson Parish; Quitman, Lincoln Parish, LA**: Project Engineer responsible for improvements including widening existing 2-lane roadway to a 4-lane roadway with grassed median, performed hydraulic analysis of existing structures and prepared improvements to same and hydraulic design of slab span bridges and culverts for project. Use of HEC-RAS and LADOTD Hydraulics Programs as well as Louisiana Standard Specifications for Roads and Bridges as well as Louisiana DOTD Bridge Design Manuals.
04/02 – 12/04	**Environmental Assessment for Tarbutton Road Interchange and Frontage Road; Route I-20, Ruston, LA**: Project Engineer evaluated existing bridge structures at LA 544, LA 149 and Tarbutton Road. Prepared schematic design modification or replacement of existing bridges and estimated construction costs. Inspection, review, and design was in accordance with LA Standard Specifications for Roads and Bridges as well as LA DOTD Bridge Design Manuals.
1998 – 1999	**La 3032 for LADOTD**: Project Engineer responsible for new bridge approach structure for existing LA 3032 main span bridge over Red River. Evaluated existing structure for possible continued use. There were concerns about existing bridge deck as well as the silicon steel beams in the approach spans. Inspection and review were in accordance with LA Standard Specifications for Roads and Bridges as well as LA DOTD Bridge Design Manuals.
02/96 – 03/97	**Clyde E. Fant Memorial Parkway – Northern Extension Phase IIIA/IIIB Bridge over Cross Bayou, Shreveport, LA**: Project Engineer. Design of bridge structures for 632 ft., 4-lane plus median structure across Cross Bayou and a 300 ft., 4-lane grade separation bridge with horizontal and vertical curve. Design utilized both the LA Standard Specifications for Roads and Bridges as well as LA DOTD Bridge Design Manuals.
01/87 – 01/89	**US 371 / US 84 Bridge over Red River at Coushatta, LA**: Project Engineer responsible for design of steel cross frames and lateral bracing for non-redundant steel plate girders, concrete approach piers designed to withstand barge impacts and voided concrete slab approach span design. Pier design included steel H-pile designed for barge impact and design of concrete tremie seals. Other work included detailing of miscellaneous steel items, quality control of drawings and review of shop drawings. Two designs were provided for the bridge: one being a concrete segmental bridge and the other a steel plate girder bridge. The 2 column approach bents were connected with concrete walls. The project was designed using both the LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
01/83 – 12/85	**Boyce-Shreveport Highway; LA 490 to LA 119; Natchitoches Parish, I-49 Section 4**: Project Engineer. Assisted in the design of bridge structures at 3 grade separations and several stream crossing bridge structures for 3 rural segments of I-49. Design was in accordance with LA Standard Specifications for Roads and Bridges as well as LA DOTD Bridge Design Manuals.
Career History	Mr. Hazen joined Neel-Schaffer in 2008 following many years with Demopulos & Ferguson Associates, Inc. Mr. Hazen has worked as a Structural, Hydraulics and Soils Engineer with a primary focus on highway and railway bridges, structural design for buildings, facilities, hydrological analysis and drainage design for projects.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Gary LeBlanc, PE**			Years of relevant experience with this employer	1
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 / 09-30-2025		
Year registered	1999	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road 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).
03/23 – Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; QA/QC for roadway design and geometrics. This project includes the design for a round-about with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; QA/QC for roadway design and geometrics. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; 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.
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.
	Winfield Road Extension Project: 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
	I-69 SUI 13 Road Design Services for ARDOT: NSI is contracted with ARDOT to provide roadway and drainage design services for a 30 Mile new segment of I-69 with multiple interchanges near Monticello. 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).

16. STAFF EXPERIENCE

Firm employed by A P S Engineering and Testing, LLC					
Name	**Sergio Aviles, PE, M. ASCE**			Years of relevant experience with this employer	12
Title	President			Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			BS Civil Engineering/ 2001/ Geotechnical		
Active registration number / state / expiration date			PE No. 0033571 / LA / 03-31-2026		
Year registered	2007	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Project Manager/Designer/Field Crew and Lab Management		

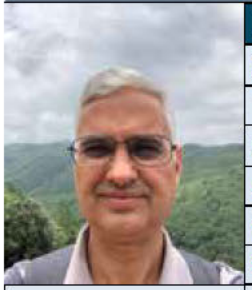
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/22–Present	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
03/23–Present	**A P S performed a total of 8 PDA during construction monitoring.**
01/22–5/24	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures A P S is currently proving PDA testing.
01/19–Present	**Project No. H.001352.6 and H.002273.5:** Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge: The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 4 PDA during construction monitoring.
05/19–Present	**Project No.2012-FEMA-1B-1: Westend Group:** The scope includes is to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
04/19–Present	**Phase II Project No. H.011798: Airline Park Blvd (Camphor-West Napoleon):** The purpose is to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
08/24–Present	**Project No. H.011795: Westwood Drive (WB Expressway to Lapalco):** The purpose is to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
05/18–12/20	**Project H.014545.6: LA 454 Wiggins Bayou:** The scope includes reviewing pile drive submittals (including pile driving installation and &RFIs, performing WEAP analysis, pile monitoring, CAPWAP analysis, and troubleshooting pile driving and sheeting installation issues.
04/18–11/18	**Phase I Project No. H.011798: Airline Park Blvd:** The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
Certifications	NHI certifications Courses: Design & Implementation of Erosion & Sediment Control, Driven Pile Foundation Inspection and Design, Drilled Shaft Inspection, Design of Mechanically Stabilized Earth Walls and Reinforced Soil Slopes, and Design of Drilled Shafts Foundation. Pile Dynamic Analysis (PDA), WEAP, & CAPWAP Microsoft Visual Studio .NET programming course at LSU, and Microsoft Office Suite. WorkZone Traffic Technician and Flagger Certifications

16. STAFF EXPERIENCE

Firm employed by A P S Engineering and Testing, LLC					
Name	**Sairam Eddanapudi, PE, ME**			Years of relevant experience with this employer	12
Title	Chief 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			PE No. 0035129 / LA / 03-31-2026		
Year registered	2009	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Design Engineer/Laboratory QA Manager		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/22–Present	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 8 PDA during construction monitoring.
03/23–Present	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures A P S is currently proving PDA testing.
01/22–5/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 4 PDA during construction monitoring.
05/18–12/20	**Project No.H.009250: I-10: Highland to LA 73:** The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
01/19–Present	**Project No.2012-FEMA-1B-1: Westend Group:** The purpose was to conducted testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
04/19–Present	**Project No. H.011795: Westwood Drive (WB Expressway to Lapalco):** The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
05/19–Present	**Phase II Project No. H.011798: Airline Park Blvd (Camphor-West Napoleon):** The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
08/24–Present	**Project H.014545.6: LA 454 Wiggins Bayou:** The scope includes reviewing pile drive submittals (including pile driving installation and &RFIs, performing WEAP analysis, pile monitoring, CAPWAP analysis, and troubleshooting pile driving and sheeting installation issues.
04/18–11/18	**Phase I Project No. H.011798:** Airline Park Blvd: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structure.

16. STAFF EXPERIENCE



Firm employed by A P S Engineering and Testing, LLC			
Name	**Surendra Pathak, PE, MS**	Years of relevant experience with this employer	11
Title	Geotechnical Engineer	Years of relevant experience with other employer(s)	10

Degree(s) / Years / Specialization			MSCE/ 2013/ Civil Engineering, BE/ 2007/ Civil Engineering
Active registration number / state / expiration date			PE No. 0043487 / LA / 03-31-2026
Year registered	2019	Discipline	Civil
Contract role(s) / brief description of responsibilities			Design Engineer/QA-QC Field Testing/Laboratory QA

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/22–Present	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. A P S performed a total of 8 PDA during construction monitoring.
03/23–Present	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures A P S is currently proving PDA testing.
01/22–5/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 4 PDA during construction monitoring.
05/18–12/20	**Project No.H.009250: I-10: Highland to LA 73:** The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
08/24–Present	**Project H.014545.6: LA 454 Wiggins Bayou:** The scope includes reviewing pile drive submittals (including pile driving installation and &RFIs, performing WEAP analysis, pile monitoring, CAPWAP analysis, and troubleshooting pile driving and sheeting installation issues.

16. STAFF EXPERIENCE

Firm employed by A P S Engineering and Testing, LLC					
Name	**Joseph Layton**			Years of relevant experience with this employer	5
Title	Senior Technician			Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization			Density Testing Embankment and Base Course (C 0303B) Nuclear Gauge Safety Certification ACI Certified		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Senior Field Technician		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/21-Present	**Project No. H.013897: College Drive Flyover -** The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton is the senior field technician on site assign to perform testing for this project.
11/19-Present	**Project No. H.008145.8: LA 1 Golden Meadow to Leeville -** The purpose is to conducted testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton is the senior field technician on site assign to perform testing for this project.
01/23-Present	**Project No. 011098.6: LA 30 South Blvd. to W. Chimes St. -** The purpose is to conducted testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton is the senior field technician on site assign to perform testing for this project.
05/18-01/20	**Project No. H.009250: I-10- Highland to LA 73 -** The purpose was to conduct testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.
01/19- 11/20	**Project No. 2012-FEMA-1B-1-Westend Group -** The purpose was to conducted testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.
04/19 -06/20	**Project No. H.011795: Westwood Drive (WB Expressway to Lapalco) -** The purpose was to conduct testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.
05/19 -12/20	**Project No. H.011798: Airline Park Blvd (Camphor-West Napoleon) Phase II -** The purpose was to conduct testing on the subsurface, base course and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.
04/18 – 12/20	**Project No. H.011798: Airline Park Blvd I -** The purpose was to conduct testing on the subsurface, base course and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.

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	President/Manager			Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			Bachelor of Science/2009/Civil Engineering		
Active registration number / state / expiration date			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		

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).
03/14 – 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 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.
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 geometrics and drainage, prepared Level 4 TMP and construction phasing plans. 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. Performed Construction Support Services. Design completed under an accelerated project schedule.
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, Level 3 TMP, environmental support including public hearings, led plan production and design of nearly (3) miles of frontage roads for I-49 South
05/22 - Ongoing	**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.
03/22 - 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 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.
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. QC/QA of roadway design elements including horizontal and vertical geometry, intersection design, oversight of roadway plan production for one mile, 5-lane urban roadway reconstruction. Responsible for bridge design report, bridge design, and QC of bridge plan development and LRFR for a horizontally curved, superelevated, 1400-foot-long 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, prepared cost estimates.

05/20 – 08/21 (previous employer)	**Contract 44-17598 – Rural Bridge Replacement Initiative Phase I (47 bridge structures), Districts 04, 05, 08, 58 (LADOTD)** – Project Manager/Engineer of Record. Led contract negotiations, performed QC review of topographic surveys, served as the EOR for roadway, geometrics, and bridge design elements including hydraulics analysis, scour, horizontal/vertical alignments, Level 1&2 TMP, bridge design & LRFR (non-standard structures) including LG-25 girders, oversight of geotechnical services and environmental permitting, SOV's, CE document preparation and permitting the replacement of 47 bridge structures in northern Louisiana containing Fifteen (15) State Project Numbers.
02/18 - Ongoing	**ENG-17-013 & MA-23-01, LA 3127 Extension (LA 70 to LA 1), Ascension Parish, LA (Ascension Parish Government)** – 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 175' 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.
12/22 - Ongoing	**S.P. H.014992, McHugh Road over Brushy Bayou, East Baton Rouge Parish, LA (LADOTD)** – Project Manager/EOR. Performed QA and oversight of roadway design, H&V geometry, EOR for Urban bridge design including special 25' spans/bents, cantilevered sidewalks on bridge with bike lanes, railing design, LRFR, environmental.
04/22 - Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)** – Project Manager/EOR. Responsible for entire project including QC of topographic surveys, oversight of traffic analysis, drainage and hydraulic design, H&V geometry, project includes two multi-lane roundabouts, geotechnical, environmental for over 4 miles of arterial widening.
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. 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.
06/13 – 03/16 (previous employer)	**S.P. H.010559, Bayou Mercier Road/Berard Canal Bayou, St. Martin Parish, LA (LADOTD)** – Project Manager/Engineer of Record. Responsible for topographic surveys, performed roadway and bridge design including prestressed quad beam girder spans, special bents, LRFR, QC of hydraulic analysis and oversaw plan production for the 200' long replacement structure with special quad-beam spans near Catahoula, LA.
07/12 – 08/15 (previous employer)	**S.P. 713-29-0103, Tiger Drive Bridge over Bayou Lafourche, Lafourche Parish, LA (LADOTD)** – Project Manager/Lead Engineer. Performed roadway and bridge design including drainage, H&V geometry, urban bridge included special 23' spans, curved approach slabs, special bents for utility accommodations, steel cantilever bulkheads, reviewed shop drawings, provided construction support for the 183' long bridge replacement with signal upgrades.
06/15 – 01/18	**S.P. H.011524, Katie Lane & Leo Morrow Rd. Bridges, Avoyelles Parish, LA (LADOTD)** – Project Manager/Engineer of Record. Responsible for topographic surveys, performed roadway and bridge design including H&V geometry, drainage, responsible for bridge design of special 25' spans, bents and approach slabs, LRFR, and oversaw plan production for the replacement of two bridge sites near Plaucheville, LA.
09/15 – 09/17	**S.P. H.011788, Oak St. Bridge/Poydras Bayou, West Baton Rouge Parish, LA (LADOTD)** – Project Manager/Engineer of Record. Responsible for roadway design including drainage, H&V geometry, special guardrail sections, performed bridge design including special continuous RC Slabs, curved approach slabs, steel pile design/details, steel bulkhead design, LRFR, oversaw roadway and bridge plan production for the 3-span urban structure near Erwinville, LA.
05/09 – 05/11	**S.P. 454-01-0047, I-12 Widening (O'Neal Ln. to Pete's Highway), East Baton Rouge/Livingston Parish, LA (LADOTD)** – Staff Engineer. Performed H&V geometric design, drainage design for Interstate widening, designed minor structures including barriers and retaining walls, prepared roadway plans and cost estimates.
02/10 – 01/12	**S.P. 450-10-0159, I-10 Widening (Siegen Ln. to Highland Rd.), East Baton Rouge Parish, LA (LADOTD)** – Staff Engineer. Performed roadway design, H&V geometric design, drainage design for Interstate widening, construction support/coordination, designed minor structures including barriers and retaining walls, prepared roadway & structural plans and cost estimates.

16. STAFF EXPERIENCE

Firm employed by Crescent Engineering & Mapping, LLC					
Name	**Paul I. Olivier, PE**			Years of relevant experience with this employer	1.5
Title	Engineer Manager			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			38172 / LA / 09/30/2025		
Year registered	2015	Discipline	P.E./Civil Engineering		
Contract role(s) / brief description of responsibilities			Roadway Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/23 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish) –** Supervising Engineer. Provided oversight of project design elements and plan production for the widening of an existing 2-lane roadway to a 4-lane divided median roadway with multiple roundabouts and J-turn intersections. Conducted reviews of H&V alignments, roadway and roundabout geometrics, drainage design and all plan submittals.
09/18 – 01/23 (previous employer)	**S.P. H.001344, US 190: LA 437 – US 190 BUS (Ph. 1), St. Tammany Parish, LA (LADOTD) –** Project Manager/Engineer of Record. Engineer of Record responsible for the widening of a 0.9 mile stretch along US 190 from LA 437 to US 190 (Bus.) in Covington, LA. Oversaw plan preparation and the design of project elements such as H&V alignments, superelevation design, roadway geometrics, existing and design drainage maps, striping/signing, typical sections, curb details, graphical grades, concrete joint layouts and inroads modeling of a 5-lane, raised, divided median urban arterial roadway in Covington, LA. Provided quality control of bridge plans, project pay items, quantity take-offs and cost estimate. Also responsible for the development of a utility conflict matrices and Level 4 TMP Document including the analysis and justification for the temporary closure of LA 21 at the bridge crossing at US 190. Also provided Construction Support in the form of reviewing and responding to RFI's, contractor submittals and shop drawings.
03/23 - Ongoing	**St. James Parish Road Improvements (FY2023 – FY2024), St. James Parish, LA (St. James Parish)** – Supervising Engineer. Oversaw design and plan production for the milling, overlay, patching, reconstruction and concrete curb and gutter replacement of several roads throughout St. James Parish. Also responsible for creation of H&V alignments, grading, quantity take-offs, construction cost estimates and assisted in development of bidding documents, special provisions and provided construction support services.
08/24 - Ongoing	**S.P. H.015568, LA 44: Pelican Point Roundabout and Widen, Ascension Parish, LA (LADOTD)** – Engineer of Record. Responsible for the design effort and plan preparation of a multi-lane roundabout at the intersection of LA 44 and Pelican Point Parkway in Gonzales, LA. Project also includes 1-mile of roadway widening design from a 2-lane to a 4-lane roadway with a divided median including multiple J-turn intersections and bridge widening or reconstruction design. Responsible for all horizontal/vertical alignments, roundabout/j-turn geometrics, superelevation design and calculations, bridge ts&l and public meeting exhibits.
04/16 – 01/23 (previous employer)	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (LADOTD)** – Lead Road Design Engineer. Responsible all roadway design and plan production activities for the safety widening of LA 20 near Vacherie, LA. Led the design of roadway elements including H&V alignments, drainage design, construction phasing, superelevation design, guardrail design, striping/signing and inroads modeling. Also performed quantity calculations and construction cost estimates and assisted in preparation of environmental drawings to obtain environmental clearance.
09/16 – 10/22 (previous employer)	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)** – Lead Road Design Engineer. Led roadway design including H&V geometrics, drainage design, mainline and interchange construction phasing, embankment widening, guardrail, striping/signing and inroads modeling and assisted with the preparation of a Level 4 TMP. Also responsible for oversight of all plan production activities, performed quantity calculations and construction cost estimating, and assisted with construction support in the form of reviewing RFI's and contractor shop drawing for the 4-mile widening of I-12 near Covington, LA. Design completed under an accelerated project schedule.

03/14 – 01/23 (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/EOR. Led roadway design including hydraulics, drainage, roadway H&V geometrics, superelevation, intersection design, R-CUT and J-turn intersections, roundabout layouts, assisted with Level 3 Traffic Management Plans and led oversight of roadway plan production for 5.5-mile, four-lane rural roadway from LA 435 to Bush. Also provided Construction Support in the form of reviewing and responding to RFI's, contractor submittals and shop drawings.
03/13 – 08/14 (previous employer)	**Parish Project No. 13028, 2013 Road Sales Tax District A Improvements, Lafourche Parish Government, Lafourche Parish, LA –** Project Engineer. Led the roadway design and plan preparation effort for the milling, overlay, reconstruction, and concrete curbing and panel replacement of 12 roadways encompassing 7 miles within Lafourche Parish. Responsible for the creation of horizontal and vertical alignments and the development of all plan sheets and cost estimates.
07/19 – 07/20 (previous employer)	**Degravelle Road Improvements, St. Mary Parish Government, St. Mary Parish, LA –** Project Manager. Responsible for overall project management and supervision of the design and plan preparation associated with the milling/overlay and reconstruction of 6 roads encompassing over 2.5 miles in Amelia, LA. Also prepared cost estimates, bidding documents, special provisions, and performed construction support services including oversight of project inspectors, pay apps, construction submittals and contractor RFI's.
02/16 – 09/16 (previous employer)	**S.P. No. H.012291, City of Thibodaux Overlay Projects, LADOTD, Thibodaux, LA –** Project Manager/Engineer of Record. Responsible for the project management, design and plan preparation associated with the milling/overlay and patching of 3 roads throughout Thibodaux. Responsible for determination of patching locations, quantity calculations, cost estimates, typical sections and superelevation design.
02/20 – 01/23 (previous employer)	**S.P. H.012812, US 190 Roundabouts @ Northshore, Camp Villere, St. Tammany Parish, LA (LADOTD)** – Project Manager/Supervising Engineer. Led all design and plan preparation activities on a multi-lane roundabout at the intersection of US 190 and Northshore Blvd. and a single lane roundabout at the intersection of US 190 and Camp Villere Rd. in Slidell, LA. Provided quality control and design oversight of all project elements including H&V alignments, drainage design, striping/signing, construction phasing, roundabout geometrics, autoturn movements, graphical grades, concrete joint layouts, typical sections, inroads modeling, quantity calculations and required right-of-way impacts. Provided environmental support with preparation of project exhibits to be utilized for Public Meetings.
09/18 – 08/20 (previous employer)	**MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish, LA (Ascension Parish)** – Project Manager. Supervising Engineer for the reconstruction of a 2-lane, Urban Collector in Gonzales, LA. Responsible for the oversight of all roadway and bridge design elements including H&V alignments, urban drainage design, Typical Sections, Intersection Design, and Striping and Signing among others. Responsible for oversight of all Cost Estimate and Design Report Forms and provided bidding assistance and construction support for a separate Clearing and Grubbing Package that was let by Ascension Parish prior to completion of the roadway plans.
06/11 – 12/17 (previous employer)	**07-EXT-22, Bayou Gardens Blvd. Extension (LA 660 to LA 316), Terrebonne Parish, LA (Terrebonne Parish)** – Project Engineer. Led and assisted with all roadway and bridge design elements including H&V alignments, superelevation design, concrete joint layouts, curb details, graphical grades, corridor modeling, guardrail calculations, quantity take-offs, roadside and channel hydraulics, utility relocation and coordination. Also assisted with Construction Support in the form of reviewing Contractor submittals including asphalt and concrete mix designs for the 1.6 mile, 4-lane Urban roadway extension including signals and turn lanes on LA 660 and LA 316.

16. STAFF EXPERIENCE

Firm employed by Crescent Engineering & Mapping, LLC					
Name	**Abbey F. Falcon, PE**			Years of relevant experience with this employer	2
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			38172 / LA / 09/30/2025		
Year registered	2021	Discipline	P.E./Civil Engineering		
Contract role(s) / brief description of responsibilities			Bridge Design, Hydraulics, Scour Analysis, Road Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/22 – Ongoing	**S.P. H.015333, H.015404, H.015407 – Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish, LA (LADOTD) –** Project Engineer/EOR. Responsible for bridge design, developed bridge TS&L, performed bridge hydraulics and scour analysis, developed roadway and bridge H&V geometry, prepared roadway and bridge plans, Inroads modeling, performed review of topographic surveys, EOR for 2 sites for the replacement of 5 bridge sites Parish-wide in Tangipahoa with RC Slab spans and RCB's.
12/22 - Ongoing	**SP H.014992, McHugh Road over Brushy Bayou, East Baton Rouge Parish, LA (LADOTD) –** Project Engineer, Hydraulic EOR. Lead/EOR for hydraulics analysis, lead design of roadway, H&V, road and bridge plan production, performed Inroads modeling, assist with bridge design elements including special span/bents, cantilevered sidewalks on bridge with bike lanes, railing design for the replacement of the existing vehicular and pedestrian bridges near Baker, 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. Accelerated design schedule.
03/21 – 07/22 (previous employer)	**S.P. H.014233, LA 160: Cypress Bayou and Relief Bridges, Bossier Parish, LA (LADOTD)–** Lead/Engineer of Record. Responsible for all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, drainage design, bridge TS&L, prepared roadway and bridge plans up to 60% Final Plans, design criteria for the replacement of two (2) LADOTD On-System bridges.
03/21 – 07/22 (previous employer)	**SP H.014217, LA 537: Bridges Near Plain Dealing, Bossier Parish, LA (LADOTD)**– Lead/Engineer of Record. Responsible for all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, drainage design, bridge TS&L, prepared roadway and bridge plans up to 60% Final Plans, design criteria for the replacement of three (3) LADOTD On-System bridges.
04/23 - Ongoing	**Bridges Near Amite, Tangipahoa Parish, LA (Tangipahoa Parish)** – Lead Project Engineer/EOR. Responsible for all urban roadway and bridge design, developed structure alternatives and bridge TS&L, H&V geometry, urban drainage design, performed hydraulics analysis and scour, Inroads modeling, preparation of road and bridge plans for the replacement of three (3) bridge structures within Amite City, LA.
12/22 – 07/23	**S.P. H.014980, Chinaberry Dr. over Unnamed Coulee, Acadia Parish, LA (LADOTD)** – Project Engineer. Led roadway and bridge design, developed bridge TS&L, H&V geometry, drainage design, hydraulics analysis and scour, guardrail design, Inroads modeling, preparation of road and bridge plans for a 3-apns RC Slab replacement bridge.
04/20 – 05/22 (previous employer)	**S.P. H.013955, LA 507, 514, Local: Bayou and Cr BRs, Red River Parish, LA (LADOTD)** – Lead/Engineer of Record. Responsible for all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, drainage design, bridge TS&L, curved bridge sites, prepared roadway and bridge plans, design criteria for the replacement of five (5) LADOTD On-System bridges and one (1) Off-System Bridge.
04/20 – 04/22	**S.P. H.013987, LA 521: Bridges Near Dykesville, Claiborne Parish, LA (LADOTD)** – Lead/Engineer of Record. Responsible for all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, superelevation, drainage, bridge TS&L, prepared roadway and bridge plans, design report & criteria forms for the replacement of three (3) LADOTD On-System bridges.

03/21 – 07/22 (previous employer)	**S.P. H.014231, LA 153: Topy Creek Relief & Drain Bridges, Bienville Parish, LA (LADOTD)**– Lead/Engineer of Record. Responsible for all roadway and bridge design, bridge hydraulics & scour, developed roadway and bridge H&V alignments, drainage design, bridge TS&L, prepared roadway and bridge plans up to 60% Prelim Plans for the replacement of four (4) LADOTD On-System bridges.
06/22 - Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)** – Project Engineer. Developed roadway design for offset alignment, H&V geometrics, hydraulics, 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.
06/18 – 04/21 (previous employer)	**S.P. H.013080, McLemore Road/Bee Bayou, Richland Parish, LA (LADOTD)** – Project Engineer – Assisted with roadway and bridge design including Inroads modeling, geometrics, bridge TS&L, hydraulics, foundation layout, and bridge plan production for the 6-span Off-System bridge replacement near Rayville, LA.
05/17 – 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 Engineer. Assisted with all roadway design elements on the 5.5 rural, 4-lane corridor project including geometrics and drainage design. Prepared quantities, performed Inroads roadway modeling, prepared summary sheets, typical sections, detailing, Sequence of Construction sheets, prepared preliminary and final roadway plans.
07/17 – 09/18 (previous employer)	**SP No. H.011540, Babin Road Bridge/Bayou Narcisse, Ascension Parish, LA (LADOTD)** – Engineering Support. Assisted with H&V geometrics, roadway drainage design, roadway and bridge plan production, Inroads modeling, quantity calculations for the 3-span Off-System bridge near Gonzales, LA.
04/20 – 04/22 (previous employer)	**S.P. H.013953, McManus Road Bridge/Cypress Creek, Richland Parish, LA (LADOTD)** – Lead/Engineer of Record. 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.

16. STAFF EXPERIENCE

Firm employed by Crescent Engineering & Mapping, LLC					
Name	**Megan M. Miller, PE**			Years of relevant experience with this employer	<1
Title	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	P.E./Civil Engineering		
Contract role(s) / brief description of responsibilities			Bridge Design Lead		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/17 – 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.
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 Project Engineer. 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 1485-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.
06/17 – 07/19 (previous employer)	**MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish (Ascension Parish Government) –** Bridge Project Engineer. Responsible for bridge design including development of TS&L, superstructure and substructure design, LRFR, bridge plan production of a 120' long, 34' clear, RC slab span bridge in Gonzales, LA.
02/18 – 10/19 (previous employer)	**West 11th Ave. Bridge/Mile Branch Creek, St. Tammany Parish, LA (City of Covington) –** Bridge Project Engineer. Performed LRFR, bridge inspection and Quality Control reviews on bridge plans for the replacement of a 5-span, 100' long, 24' clear width reinforced concrete slab bridge and roadway approach reconstruction on W. 11th Avenue in Covington, LA. Bridge included special bents for precast and CIP deck options to accommodate utilities, tapered rails and subsurface drainage.
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 CONSPAN 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 calculations, 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 inspection, 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	**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	Bachelor of Science/1982/Civil Engineering		
Active registration number / state / expiration date	22428 / LA / 03/31/2026		
Year registered 1986 Discipline	P.E./Civil Engineering		
Contract role(s) / brief description of responsibilities	Roadway & Bridge Design 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).
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.
08/22 - Ongoing	**St. James Parish Road Improvements (FY2022 – FY2024), St. James Parish, LA (St. James Parish)** – Quality Control Engineer. Responsible for QC reviews of design, plans, quantities and cost estimates associated with the pavement preservation and rehabilitation of over 11 miles of roadways in St. James Parish.
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, right-of-way mapping 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 roadway 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, right-of-way mapping, 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 RC Slabs and RCB's.
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.
11/99 – 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 H&V alignments, roadway geometrics, intersection improvements, subsurface drainage design and quantity calculations for the one-mile UA-2 widening project. Also responsible for all plan production activities and provided construction support.
03/13 – 08/14 (previous employer)	**Parish Project No. 13028, 2013 Road Sales Tax District A Improvements, Lafourche Parish Government, Lafourche Parish, LA** – Supervising. Performed quality control reviews associated with the milling, overlay, reconstruction, and concrete curbing and panel replacement of 12 roadways encompassing 7 miles within Lafourche Parish. Reviewed project quantities, and performed constructability and biddability reviews of plans.

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 H&V alignments, roadway geometrics, subsurface drainage design, quantity calculations, construction support and topographic survey for two-mile long UA-2, five-lane widening project.
12/22 - Ongoing	**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.
02/23 – Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish)** – Quality Control Engineer. Responsible for QC reviews of roadway and bridge design elements including pavement widening vs. reconstruction options, H&V alignments, construction phasing, hydraulic and scour analysis and quantity calculations for the replacement of the existing 4-span bridge near Covington, LA.
04/23 – 03/24	**Bridges Near Amite and Bridges Near Independence, 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, H&V geometry, review calculations and plan production/details, urban drainage design, for the replacement of five (5) bridge structures near Amite and Independence.
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 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; S.P. 713-53-94, Parish Road 11 (Lepine Rd. #1) over unnamed canal; and S.P. 713-53-92 Parish Road 579 (Hamilton Road) over 40 Arpent Canal.
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	**Luke Bourg**			Years of relevant experience with this employer	1
Title	Senior Project Technician			Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization			Associate of Applied Science/Drafting and Design/2008		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Sr. Design Technician – Road & Bridge		

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 – 03/22 (previous employer)	**S.P. H.001344, US 190: LA 437 – US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD)** – Sr. Project Technician. Responsible for bridge plan development, Microstation drafting and Inroads modeling, preparation of plan/profile, typical sections, cross sections, geometric layouts and details. Prepared bridge plans including span and bent details, footing details, LG girder details, framing plans, GPE, typical sections, approach slabs, retaining walls, foundation plan, pile layouts, bridge elevations schedule, girder data and camber tables and developed bridge quantities for an Urban 1,485 foot long LG 54/LG36 bridge along the 1 mile for the 5-lane widening section in Covington, LA.
03/24 - Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)** – Sr. Project Technician. Responsible for the creation and development of all plan sheets including typical section, plan & profiles, geometric layout sheets, tbm sheets. Also responsible for auto turning movements and inroads modeling for the widening of LA 3127 from 2-lanes to 4-lanes including two multi-lane roundabouts and multiple J-turn and R-cut intersections.
09/16 - 08/21 (previous employer)	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)** – Sr. Project Technician. Responsible for roadway and bridge plan development, Microstation drafting for the 4-mile widening of I-12 near Covington, LA including four (4) bridge structures, prepared bridge typical sections, GPE, span and bent details, AASHTO Type III girder details, framing plans, foundation plans, approach slab details, miscellaneous details, foundation and pile layouts, girder data and camber tables, developed bridge quantities, barrier details. Design was completed under an accelerated project schedule.
02/20 - 10/22 (previous employer)	**S.P. H.012812 US 190 at Northshore and Camp Villere, LADOTD, St. Tammany Parish, LA** – Senior Project Technician. Assisted in the development of Preliminary and Final Plans of a multi-lane roundabout at the intersection of US 190 and Northshore Blvd. and a single lane roundabout at the intersection of US 190 and Camp Villere Rd. in Slidell, LA. Assisted in the creation of several plan sheets including typical sections, plan/profile sheets, geometric layouts and suggested sequence of construction.
07/20 - 06/22 (previous employer)	**Contract No. 44-17598, Rural Bridge Replacement Initiative (Phase 1), LADOTD, Districts 04, 05, 08, and 58** – Senior Project Technician. Assisted in the development of bridge plans, Microstation drafting and technician tasks associated with the replacement of 47 bridges throughout Districts 04, 05, 08 and 58. Responsible for the creation of plan sheets such as typical sections, plan and profile sheets, geometric layouts, cross sections, general plan and elevation sheets, foundation layout sheet, pile data & elevation tables, superstructure details and substructure details. Also responsible for template creation, corridor modeling and earthwork quantity determination of several of the 47 bridge sites included in this project. Also responsible for the creation of all environmental exhibits.
03/16 - 06/22 (previous employer)	**S.P. No. H.011670, I-10/Loyola Interchange Improvement, LADOTD, Jefferson Parish, LA** – Project Technician. Prepared drawings for the selected alternate (4-level stack, directional interchange) including vicinity maps, plan and profiles, cross sections, calculated material quantities for USACE, Levee Board, FAA and LADNR permitting. He also assisted in the drafting and development of the Line and Grade Plan & Profile Sheets and Typical Roadway and Bridge Sections for all surface and interchange ramps associated with all alternate alignments for the I10 and Loyola Interchange.

16. STAFF EXPERIENCE

Firm employed by Crescent Engineering & Mapping, LLC					
Name	**Miles Loker**			Years of relevant experience with this employer	>1
Title	Engineer Intern			Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			Bachelor of Science/2024/Civil Engineering		
Active registration number / state / expiration date			EI.0035876 / LA / 03/31/2025		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Roadway Design – Engineer Intern		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/24 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish) –** Engineer Intern. Assisted with layout of roundabout geometrics as well as creation and development of several plan sheets including typical sections, plan & profiles, drainage plan & profiles, geometric layout sheets and tbm sheets for the widening of LA 3127 from 2-lanes to 4-lanes including two multi-lane roundabouts and multiple j-turn intersections.
08/24 - Ongoing	**Lutcher Road Program, St. James Parish, LA (Town of Lutcher) –** Engineer Intern. Assisted with the design elements including H&V alignments, pavement design, patching locations and quantity take-offs. Also responsible for the plan development of sheets including Plan & Profiles, Typical Sections and Summary Sheets for the pavement preservation and rehabilitation of 5 roadways in the Town of Lutcher.
05/22 – 03/24 (previous employer)	**Contract No. 4400019336, Rural Bridge Replacement Initiative (Phase 2) (40 bridge structures), LADOTD, Districts 04 and 05** – Project Technician. Assisted with the development of several plan sheets including typical sections, plan & profiles, sequence of construction, embankment widening and guard rail layout, summary sheets, summary of drainage structures, temporary erosion control and cross sections for the replacement of 40 structures in northern LA. Also assisted with the creation and development of permit drawings to be used in obtaining environmental clearance.
05/24 – Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish)** – Engineer Intern. Assisted with the development of several roadway and bridge plan sheets including plan & profile sheets, geometric layouts, summary of drainage sheets, phased construction sheets, general plan & elevation, foundation layout and cross sections for replacement of the existing 4-span bridge near Covington, LA. Also responsible for the development of quantity calculations and summary tables.
06/24 - Ongoing	**Brownswitch Rd. Bridge, Slidell, LA (St. Tammany Parish)** – Engineer Intern. Responsible for the review of the topographic survey and roadway design elements including H&V alignments, roadside ditch design, and hydraulic modeling and culvert sizing for both the mainline roadway and the temporary diversion structure along an urban collector roadway in Slidell, LA.
05/24 - Ongoing	**S.P. H.015333, H.015404, H.015407 – Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish, LA (LADOTD) –** Engineer Intern. Assisted with the preparation of Final Plans for four (4) bridge replacement structures throughout Tangipahoa Parish. Responsible for the creation of temporary erosion control sheets, permanent marking layouts and summary of drainage structure sheets. Also assisted with development of project quantities and summary tables.
04/24 - Ongoing	**S.P. H.015334 – 9th St. Bridge over St. Louis Canal, Terrebonne Parish, LA (LADOTD)** – Engineer Intern. Responsible for the creation and development of Preliminary Plans including typical sections, plan & profile sheets, sequence of construction, detail of detour, gp&e and foundation layout for the replacement of a 3-span bridge in Houma, LA.

16. STAFF EXPERIENCE

Firm employed by C. H. Fenstermaker & Associate, L.L.C.					
Name	**Travis Bodin, MBA, PLS, PMP**			Years of relevant experience with this employer	19
Title	Quality Control Engineer			Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			MBA / 2021 / Business Administration B.S. / 2004 / Industrial Technology		
Active registration number / state / expiration date			5067 / Louisiana / 03-31-2026		
Year registered	2011	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Professional Land Surveyor; Meets MPR 4; ATSSA TCS, TCT, Flagger		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/13 – 10/20	**ACADIANA REGIONAL AIRPORT ACCESS ROAD: Iberia Parish, LA. Project Surveyor –** This project included the design of a new roadway beginning at the intersection of LA 3212 (Prairie Rd) and Grand Prairie Rd with an approximate 1,300-feet extension that intersects with LA 675 (Jefferson Island Rd). Significant features of this project include a 5-legged roundabout, a boulevard extension, and outfall channel regrading.
05/12 – 09/20	**APOLLO ROAD (LA 93) EXTENSION TO DULLES DRIVE: Lafayette Parish, LA. Survey Project Manager –** Fenstermaker is performing all topographic survey of cross streets and road tie-ins, cross sections for the purpose of an existing elevation DTM and location of all parcel boundaries affected by the proposed right of way. Additionally, surveying services include ASFD survey of all drainage laterals and drainage structures for hydraulic analysis and location of all utilities and topographic features within an identified area.
12/17 – 08/18	**CITY OF CARENCRO 2018 ASPHALT OVERLAY: Lafayette Parish, LA. Survey Principal –** Fenstermaker was contracted to provide surveying, design, utility coordination, temporary traffic control and construction administration and inspection. The project was located along several different roadways within the City. The planned construction includes milling, overlay and patching along approximately 2,350-ft. of Hector Connoly Road, 1,250-ft. along W. Butcher Switch Road, and 290-ft along Guilbeau Road. The project is following LADOTD Road Design Manual and MUTCD standards and procedures.
05/19 – 03/21	**S.P. H.005967 PORT OF LAKE CHARLES RAIL AT W. SALLIER ST.: Calcasieu Parish, LA. Project Principal –** Fenstermaker completed the topographic and boundary surveys, established control, processed data, reviewed title reports, established property boundaries, and mapped encumbrances for the ~0.75 miles Railroad Relocation. LADOTD survey feature codes were utilized for this project, and LADOTD right-of-way maps along with COGOWIN legal descriptions were created. Mr. Bodin is serving as Project Principal and providing QA/QC.
12/08 – 07/18	**KALISTE SALOOM ROAD WIDENING & INTERSECTION IMPROVEMENTS - LA3073 TO LA733: Lafayette Parish, LA. Survey Project Manager –** Fenstermaker performed the topographic survey of all cross street and road tie-ins, cross sections for the purpose of an existing elevation DTM and parcel boundaries effected by the ROW. Mr. Bodin was responsible for field crew coordination, topo/boundary surveys, ROW plats, monuments, data processing, plats and legal descriptions.
04/15 – 02/19	**COACH WILLIAMS DRIVE EXTENSION & ROUNDABOUT: Calcasieu Parish, LA. Project Manager and Lead Surveyor -** The Coach Williams Boulevard Extension is a $20 million project that involves the design of a 3-mile roadway. The new roadway will be a 2-lane open ditch typical section, which will feature a roundabout, a railroad crossing, and a Sabine River Authority Canal crossing. The project will pass through several wetland areas. Mr. Bodin was responsible for coordinating the abstracting, topographic survey, and generation of all right of way and servitude plats.
10/18 – 11/21	**EAST PONT DES MOUTON, PHASE II – WATER AND SEWER IMPROVEMENT AND ROADWAY WIDENING: Lafayette Parish, LA. Lead Surveyor -** This project included the widening of approximately 1.4 miles of urban roadway reconstruction resulting in utility relocation and design of potable water distribution system and sanitary sewer collection system. The sanitary sewer portion of this project entailed the design and installation of over 8,000' cumulative feet of 15",18", 21", and 24" gravity sewer main. Mr. Bodin led a full survey that was conducted to capture elevations and dimensions.
02/13 – 03/17	**HAM REID ROAD ROUNDABOUT & EXTENSION: Calcasieu Parish, LA. Lead Surveyor -** This project involves professional engineering design and planning services related to the improvement of intersection on Nelson Road at Ham Reid Road. Mr. Bodin was responsible for the Topographic Surveying and ROW Plats.

09/13 – 01/19	**LADOTD PERMIT NO. 153198, 153357, 153587: SASOL LCCP-HEAVY HAUL ROAD ENGINEERING AND CONSTRUCTION (LA378 & LA379): Calcasieu Parish, LA. Lead Surveyor -** Mr. Bodin served as the Lead Surveyor in providing topographic, boundary, and route surveying to aid in the coordination with public and state agencies for the construction of a 2.4-mile roadway. Services include mapping for the acquisition of agreements between Sasol and third-party utilities, platting for acquisition and dedication of property needed for various construction activities and state agencies, and Quality Control services of construction activities that were conducted which included monument review and location mapping. Mr. Bodin was responsible for field coordination, data processing, ROW generation, servitude and ROW mapping and topo surveys.
07/14 – 10/17	**LADOTD PERMIT NO. 153351, 153352, 153353: LAKE CHARLES LNG TRAFFIC IMPACT ANALYSIS AND ROAD IMPROVEMENTS INCLUDING CE&I (LA384 & LA385):** Calcasieu Parish, LA. Lead Surveyor - Fenstermaker was contracted by Trunkline LNG for their plant expansion, drainage analysis and channel relocation project. Fenstermaker completed a detailed HEC-RAS model to determine the impacts of rerouting a major drainage channel that traversed the proposed expansion site. Mr. Bodin was responsible for DTM generation and establishing the project controls. He was also responsible for the coordination of utilities and survey field activities, as well as processing all the data collected.
06/12 – 04/23	**S.P. NO. H.006459 ROUNDABOUT AT CHURCHPOINT/RODDY ROAD:** Ascension Parish, LA. Lead Surveyor - Mr. Bodin is serving as the Professional Land Surveyor Lead on the design and re-design of this roundabout project. Mr. Bodin directed all surveying efforts, ROW mapping, and other tasks.
Career History	Travis Bodin, MBA, PLS, PMP has extensive surveying, management, and coordination experience. He has served as the Lead Professional Land Surveyor for projects across Louisiana. His responsibilities have included the management of surveying/ROW services, utility relocation coordination, coordinating with parish, state, and federal agencies and sub-consultants, cost estimating, scoping, scheduling and planning, resource management, and construction management services. With his background in surveying and project management, Mr. Bodin has performed and participated in multi-million-dollar projects consisting of large scale topographic and bathymetric surveys, development of high accuracy GPS networks, landowner notification and documentation, the development of DTM, infrastructure documentation, GIS integration, and process and procedure development. Mr. Bodin has conducted management duties for both field and office activities on survey and engineering projects.

16. STAFF EXPERIENCE

Firm employed by C. H. Fenstermaker & Associate, L.L.C.					
Name	**Bradford Millett, PLS, E.I.**			Years of relevant experience with this employer	11
Title	Quality Control Engineer			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			B.S. / 2014 / Civil Engineering		
Active registration number / state / expiration date			5245 / Louisiana / 03-31-2025		
Year registered	2020	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Professional Land Surveyor		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
12/21 – 02/22	**2021 CPPJ OVERLAY PHASE 1A: Calcasieu Parish, LA:** Project Surveyor – Calcasieu Parish Police Jury selected Fenstermaker for an overlay project on approximately 10.78 miles of roadway within the Metropolitan Planning Organization (MPO) for the greater Lake Charles area. The project's goal was to repair (milling and surfacing) the following roads: W. Houston River Road, Patton Street, LA 384 (Big Lake Road/Country Club Road), Elliott Road, Ihles Road, and Broad Street. Ms. Millett was responsible for coordinating with field crews, processing data, and reviewing survey data.
07/14 – 05/18	**LADOTD PERMIT NO. 153351,153352,153353: LAKE CHARLES LNG TRAFFIC IMPACT ANALYSIS AND ROAD IMPROVEMENTS:** Calcasieu Parish, LA. Project Surveyor – Fenstermaker was responsible for designing road improvements at various locations to support anticipated construction traffic associated with the expansion of the Lake Charles LNG, G2X, and Magnolia Facilities. Topographic and boundary surveys associated with the planned improvements, right of way maps, as well as coordinating and managing utility relocations were performed by Fenstermaker. Ms. Millett prepared survey request, coordinated survey crews, reviewed, and processed survey data, prepared right of way maps, and coordinated with utility companies.
02/22 – ongoing	**SPANISH TRAIL INDUSTRIAL PARK ACCESS ROAD:** St. Martin Parish, LA. Project Surveyor – Fenstermaker provided engineering and survey services to extend Lake Talon Road to LA 182 (Old Spanish Trail Hwy). Fenstermaker assisted the Parish with all planning including the preparation of a traffic study, planning and coordinating with the BNSF railroad facility providing topographic survey services, preparing construction plans, preparing and submitting all required permits, and providing construction administration and inspection. Fenstermaker managed subconsultants for traffic study and geotechnical investigation services. Ms. Millett oversaw the topographic surveys, coordinated with BNSF railway for survey services, submitted LA One Call tickets for utility coordination, and processed and reviewed survey data.
06/13 – 03/17	**ACADIANA REGIONAL AIRPORT ACCESS ROAD:** Iberia Parish, LA. Survey Project Manager – This project included the design of a new roundabout at the intersection of LA 675, US 90 Frontage Road, and the Acadiana Regional Airport Access Road. Ms. Millet was responsible for the topographic and boundary surveys, as well as the development and review of right of way maps.
07/13 – 05/22	**APOLLO ROAD (LA 93) EXTENSION TO DULLES DRIVE – ROADWAY & WATER/SEWER PROJECT:** Lafayette Parish, LA. Survey Project Manager – Fenstermaker performed all topographic surveying of cross streets and road tie-ins, cross sections for the purpose of an existing elevation DTM, and locations of all parcel boundaries effected by the proposed right of way. Ms. Millett created the plats for the acquisition of servitudes and right of ways.
05/15 – 08/17	**COACH WILLIAMS DRIVE EXTENSION & ROUNDABOUT: Calcasieu Parish, LA. Project Manager and Lead Surveyor -** The Coach Williams Boulevard Extension is a $20 million project that involves the design of a 3-mile roadway. The new roadway will be a 2-lane open ditch typical section, which will feature a roundabout, a railroad crossing, and a Sabine River Authority Canal crossing. The project will pass through several wetland areas. Mr. Bodin was responsible for coordinating the abstracting, topographic survey, and generation of all right of way and servitude plats.
06/14 – 03/17	**EAST PONT DES MOUTON ROAD WIDENING & WATER/SEWER DESIGN:** Lafayette Parish, LA. Surveyor Project Manager - Fenstermaker was selected to perform engineering design services for the construction of a 1.4-mile four-lane divided curb and gutter roadway with raised median, sidewalks, subsurface drainage, and street lighting. The improvements replaced an existing 2-lane roadway of East Pont des Mouton. Ms. Millett completed the required topographic, as-built survey, boundary surveys, and right of way plats, as needed.

05/15 – 11/21	**HAM REID ROAD EXTENSION:** Calcasieu Parish, LA. Project Surveyor - Ham Reid Road is a two-phase, $14.25 million construction project that includes a unique 1-mile asphalt roadway corridor, incorporating walkability and green infrastructure. The corridor includes a 2-lane boulevard section with a roundabout located at the intersection of Ham Reid and LA 384/Nelson. Ms. Millett was responsible for creating survey exhibits, processing survey data, and setting up and updating the project's Falling Weight Deflectometer tests.
11/23 –ongoing	**HANGAR ROAD EXTENSION & LA HIGHWAY 3212 IMPROVEMENTS:** Iberia Parish, LA. Project Surveyor - This project extends Hangar Drive to LA 3212 and includes intersections at Hangar Drive and Tower Drive, and at Hangar Drive and LaSalle Street. Additionally, it involves the installation of new left turn lanes at two entrances to the First Solar manufacturing facility along LA 3212. The project also realigns Leon Landry and an extension of Hangar Drive at the intersection of LA 3212. Fenstermaker provided engineering design for the extension and improvements along the state highway. Fenstermaker also provided boundary survey services. Ms. Millett reviewed boundary plats, reviewed and mapped servitudes, revised legal descriptions, and certified and submitted boundary plats and legal descriptions.
04/22 – 07/23	**IMPROVEMENTS TO DUCHAMP ROAD:** St. Martin Parish, LA. Surveyor Project Manager - Based on Fenstermaker's recommended alternatives, the Parish decided to implement full depth asphalt patching at locations with deteriorating conditions or locations in need of rehabilitation. Fenstermaker prepared the roadway and drainage designs, performed a topographic survey and established the right-of-way. Ms. Millett was responsible for field crew coordination, survey data processing, and data and file reviewing.
04/22 – 03/23	**IMPROVEMENTS TO PETROLEUM PARKWAY EXT.:** St. Martin Parish, LA. Lead Surveyor - Fenstermaker provided professional engineering and survey services for the improvements to the Petroleum Parkway corridor. Improvements included roadway and drainage modifications to improve the performance of the corridor and to reduce overtopping of the roadway during storm events. Ms. Millett prepared survey packets, coordinated survey field crew work, processed survey data, and reviewed the temporary benchmark exhibit.
06/23 – ongoing	**INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA) OFF-SYSTEM BRIDGE PROGRAM DISTRICT 03:** (Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary, and Vermilion Parishes, LA). Survey Project Manager - LADOTD selected Fenstermaker to provide engineering services for the replacement of 14 bridges in District 03. Services include researching eligible structures, coordinating with local stakeholders, and selecting structures for inclusion in the IIJA Off-System Bridge Program. Ms. Millett coordinated tasks survey field crews, processed survey data, reviewed boundary and topographic data, reviewed control sketches, and prepared survey deliverables.
07/13 – 03/23	**KALISTE SALOOM ROAD WIDENING & INTERSECTION IMPROVEMENTS - LA3073 TO LA733:** (Lafayette Parish, LA). Survey Project Manager - Fenstermaker was responsible for the widening of approximately two miles of Kaliste Saloom Road, a highly congested major arterial roadway located. The project was then split into three phases to include drainage outfall construction, utility relocations, and roadway construction. Fenstermaker is the direct responsible charge of all design components and construction management for improvements. Ms. Millett assisted with topographic and boundary surveying, utility relocation, right of way plats, drainage design, as-built surveys, and coordination of survey crews in the field for Phases 3A and 3B.
Career History	Ms. Millett is a Professional Land Surveyor at Fenstermaker whose responsibilities consist of field crew coordination, data collection and processing, preliminary layout and design of boundary and right of way plats, ALTA surveys and Development and Planning subdivision platting process. Her experience also includes project management as well as public meetings, client relations, utility coordination, and other components associated with surveying services. Ms. Millett is also responsible for the preparation of proposals for the Engineering, Advanced Technologies, and Surveying Divisions.

Neel-Schaffer has a long history of providing various services like those included in this advertisement to DOTD through retainer/IDIQ type contracts including the IDIQ Contract for Road Design services.

700-99-0332	Retainer Contract for Traffic Signal Study and Design (2004-2010)
700-99-0447	Retainer Contract for Traffic Signal Study and Design (2009 – 2013)
4400000691	Retainer Contract for Signal Timing Studies, Districts 61, 62 & 02 (2010-2014)
4400001777	Retainer Contract for Signal Timing Studies, Statewide (2010 – 2014)
4400001583	Retainer Contract for Safety Studies, Statewide (2012 – 2015)
4400002630	Retainer Contract for Traffic Engineering (2012-2015)
4400004064	Retainer Contract for Traffic Engineering (2014 – 2017)
4400004402	Retainer Contract for Safety Studies, Statewide (2014 – 2017)
4400004712	Retainer Contract for Traffic Signal Engineering (2014 – 2017)
4400004829	Retainer Contract for District 02 Traffic Signal Inventory (2014 – 2017)
4400004909	Retainer Contract for Stage 0 Studies, Statewide (2014 – 2017)
4400008851	Retainer Contract for Traffic Signal Engineering (2016 – 2019)
4400010504	Retainer Contract for Safety Studies, Statewide (2017 – 2022)
4400013850	IDIQ Contract for Design of Safety Projects, Districts 02, 61 & 62 (2019 – 2024)
4400015258	DIQ Contract for Stage 0 Studies (2019 – 2024)
4400016364	IDIQ Contract for ITS Design and Implementation Services, Statewide (2020 - 2025)
4400023689	IDIQ Contract for Safety Studies, Statewide (2022 – 2027)
4400024927	**IDIQ Contracts for Roadway Design Services (2023 – 2028)**
4400025299	IDIQ Contracts for Traffic Engineering (2023 - 2028)

Section 17

Contract No. 4400030052

IDIQ CONTRACT FOR ROADWAY DESIGN SERVICES

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	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 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 a LA 101 (Calcasieu) (SPN. H.015226); This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design.

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

3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5; Project includes the 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.

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

Firm Members: Dishili Young, Chance Shuckrow, Nick Ferlito, Ellen Howard, Jonathan Duhe, Josh Schexnider, Gary LeBlanc, Phil Graves

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	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Traffic, Road
Project name	**LA 73 Turn Lanes**	Firm responsibility (prime or sub?)	Prime
Project number	MA-18-03	Owner's name	Ascension Parish Government
Project location	Ascension Parish, LA	Owner's Project Manager	Michael Enlow
Owner's address, phone, email	42077 Churchpoint Road, Gonzales, LA 70737 225-450-1326 menlow@apgov.us		
Services commenced by this firm (mm/yy)	05/18	Total consultant contract cost ($1,000's)	$331
Services completed by this firm (mm/yy)	03/20	Cost of consultant services provided by this firm ($1,000's)	$331

Neel-Schaffer, Inc. (NSI) was selected as prime consultant to complete traffic and safety analysis, conceptual design, preliminary and final roadway plans, traffic control design, hydraulic analysis and design, utility coordination, construction cost estimates, and construction support for two intersections along LA 73. NSI completed a safety analysis for these intersections by reviewing crash reports for years 2014-2016 and checking them for accuracy. NSI created crash diagrams, calculated the crash rate, completed a conflict points analysis, and calculated the combined crash modification factor. As part of the stage 3 services NSI developed construction plans in accordance with LADOTD standards and guidelines for the turn lanes on LA 73, Oakland Rd. and Brown Rd. The work includes pavement widening of an existing two-lane roadway, pavement patching and overlay, box culvert extension and cross-drain extension, storm sewer and open ditch design, sequence of construction, pavement striping and signing. The project was designed to stay within the existing right-of-way to minimize cost and time from right-of-way acquisition on LA 73.

Tasks completed for this project include:

Topo Survey

Data Collection, Traffic and Safety Analysis – 48hr counts, AM and PM peak TMC, queue and peak hour observations, turn lane analysis and review of 3 years of crash data.

Traffic Control Design - completed following LADOTD guidelines

Preliminary and Final Roadway Design, Plan Development, Cost Estimates and Hydraulic Analysis and Design – H&H analysis was completed for the proposed roadway drainage systems and the double barrel box culvert which drains Welsh Gully, utilizing LADOTD Hydrwin software. Developed roadway plans following LADOTD design guidelines for left and right turn lanes on LA 73 and local roads.

Construction Support – Responded to RFI's

Project Challenge Solved:
Completing safety, operations improvements within limited ROW, without utility conflicts and with bridge constraints in accordance to DOTD requirements

Firm Members: Ellen Howard, Dishili Young,, Chance Shuckrow, Scott Andrepont, Josh Schexnider, Steve Perault

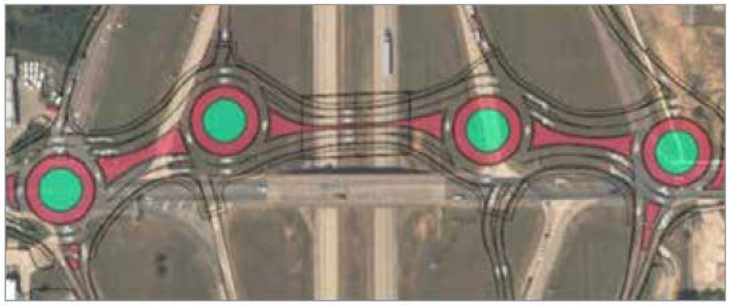
Project Relevance:

- ✓ SOW identical
- ✓ Design to DOTD guidelines
- ✓ DOTD review and approval
- ✓ Intersection improvements
- ✓ No lane closures or detours

17. FIRM EXPERIENCE

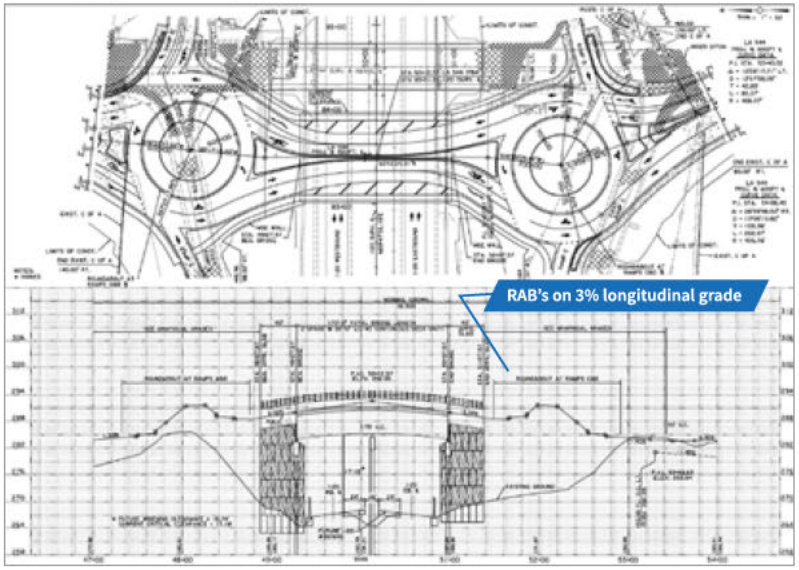
Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Traffic, Road
Project name	**I-20: LA 544 Overpass Replacement**	Firm responsibility (prime or sub?)	Prime
Project number	H.010616	Owner's name	LADOTD
Project location	Lincoln Parish, LA	Owner's Project Manager	Jacob Fusilier, PE
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 70804 | 225.379.1185 | jacob.fusilier@la.gov		
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost ($1,000's)	$858
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$858

Neel-Schaffer is currently working on the 95% final plans for this project. NSI is responsible for providing the preliminary and final roadway plans, traffic control design QA/QC, TMP and signal design QA, Sequence of Construction, hydraulic analysis and design, and MOT which maintains access to properties during construction. This project will replace the LA 544 Overpass diamond interchange with a roundabout diamond interchange. The project includes four multilane roundabouts (two entrance/exit ramps at 3% grade), a new bridge over I-20, roadway improvements to I-20 and the ramps, and roadway widening (from 2 to 4 lanes) along LA 544 an urban atrial roadway. The bridge design and retaining wall design will be completed by DOTD.



Challenges:

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



Solutions:

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

Project Relevance:

- ✓ DOTD project
- ✓ Traffic and road design
- ✓ Intersection improvements
- ✓ Design to DOTD guidelines
- ✓ DOTD review and approval

Firm Members: Dishili Young, Chance Shuckrow, Scott Andrepont, Josh Schexnider, Frank Standige, Jacob Thiaville

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Road
Project name	**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

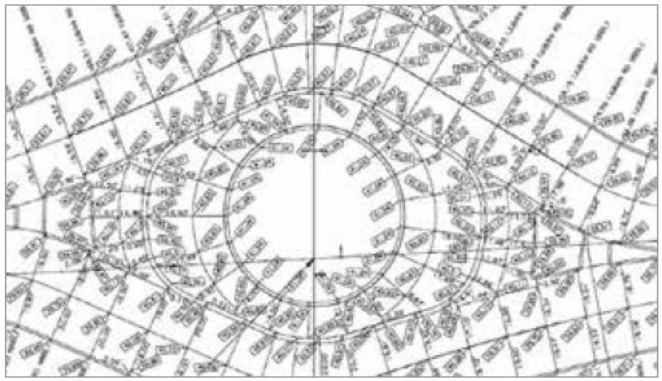
Neel-Schaffer was selected as prime consultant to complete the preliminary and final roadway plans, hydraulic analysis and design, construction cost estimates, and construction support. The project includes three multilane roundabouts and will widen existing LA 1026 (Juban Road), an Urban Arterial roadway, 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.*

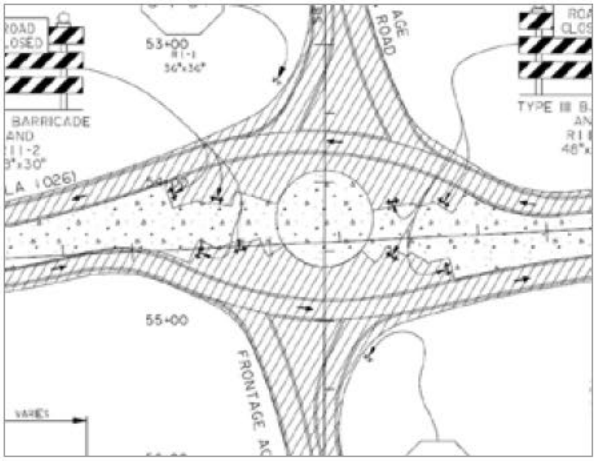
Project Challenge/Solution: The project was let as two design packages which required roadway design (horizontal and vertical alignments) and drainage designed to work for both phases; Interim build and full build conditions.

Firm Members: Dishili Young, Chance Shuckrow, Scott Andrepont, Charles Adams, Josh Schexnider,

Project Relevance:

- ✓ DOTD project
- ✓ Similar SOW
- ✓ Design to DOTD guidelines
- ✓ DOTD review and approval
- ✓ No lane closures or detours





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).

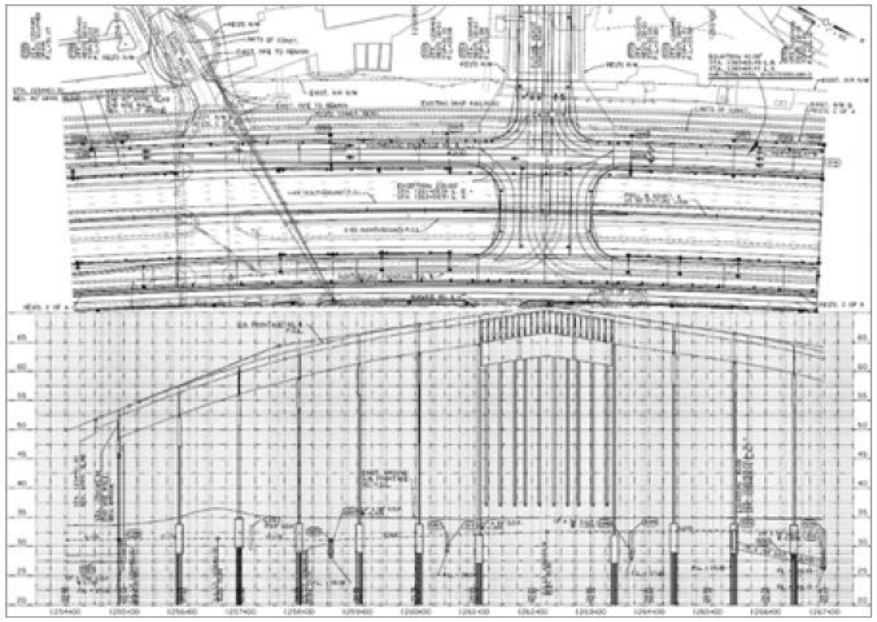
17. FIRM EXPERIENCE

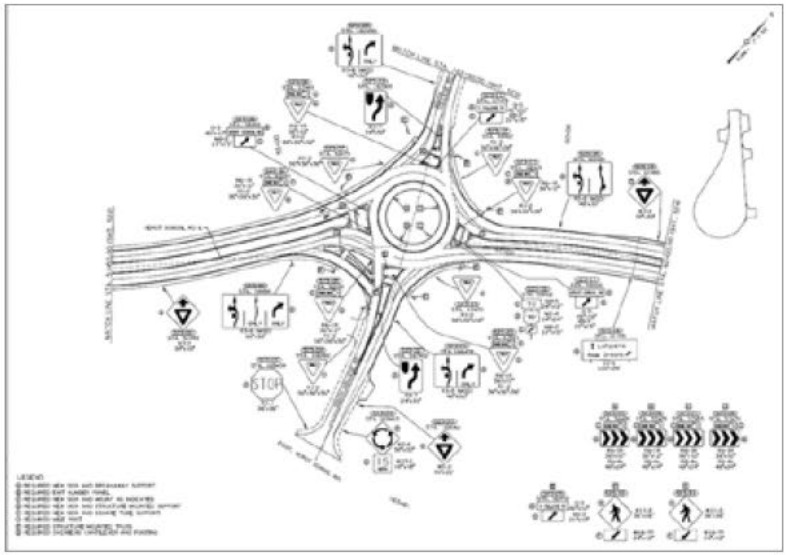
Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Category(ies)*	Road
Project name	**I-49 South @ Verot School Road**	Firm responsibility (prime or sub?)	Sub
Project number	H.011235.5	Owner's name	LADOTD
Project location	Lafayette Parish, LA	Owner's Project Manager	Corey Landry, PE
Owner's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

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

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

Firm Members: Nick Ferlito, Dishili Young, Charles Adams, Jacob Thiaville, Ryan Lam, 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	**A P S Engineering and Testing, LLC**	Past Performance Evaluation Category(ies)*	CE&I/OV
Project name	**Comite River Diversion Bridge at LA 96, LA 19 and LA 19 RR**	Firm responsibility (prime or sub?)	Sub
Project number	H.001352.6	Owner's name	Huval & Associates, inc
Project location	East Baton Rouge, LA	Owner's Project Manager	Thomas M. Gattles III, P.E.
Owner's address, phone, email	922 West Pont des Mouton Road, Lafayette, LA 70507 / 337.234.3798/ tgattle@huvalassoc.com		
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$78

The scope of work includes providing roadway, geotechnical and structural construction related services. A P S is currently providing PDA instrumentation, testing and CAPWAP analysis.

KEY PERSONNEL:
Sergio Aviles, P.E . - Project Manager
Sai Eddanapudi, M.E . , P.E. - Project Engineer
Surendra Raj Pathak, M.S. , P.E. - Staff Engineer
Joseph Layton - Technician

Project Relevance:

- ✓ Geotechnical Construction (GC)
- ✓ Construction Inspection

17. FIRM EXPERIENCE

Firm Name	**A P S Engineering and Testing, LLC**	Past Performance Evaluation Category(ies)*	CE&I/OV
Project name	**RR062 Hollygrove/Leonidas Group**	Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	DPW New Orleans
Project location	New Orleans, LA	Owner's Project Manager	Khalid Saleh
Owner's address, phone, email	1300 Perdido Street, Ste. 6W03, New Orleans, LA 70112 / 504.658.8100 / ksaleh@nola.gov		
Services commenced by this firm (mm/yy)	06/20	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$300

The City of New Orleans implemented a multi-million-dollar, multi-year comprehensive program to repair roadways damaged due to hurricane Katrina. A P S Engineering provided professional engineering services in a multi-neighborhood project for the Hollygrove portion of the Hollygrove/ Leonidas Group A project under Waggoner Engineering.

The repairs in this project that were determined to be eligible for FEMA funding were roadways, sidewalks, ADA ramps, and curbing. A P S performed a thorough assessment of these damages and recommended the best value approach to implement the repairs. The recommendations by A P S allowed the City of New Orleans to maximize the federal dollars to have the most impact on the neighborhood's infrastructure as possible.

The Hollygrove neighborhood project included multiple construction repair types with an estimated value for roadway improvements that is approximately $10 million.

KEY PERSONNEL:
Sergio Aviles, P.E . - Project Manager
Sai Eddanapudi, M.E . , P.E. - Project Engineer

Project Relevance:

- ✓ Geotechnical Construction (GC)
- ✓ Construction Inspection
- ✓ Contract Management (CM)

17. FIRM EXPERIENCE

Firm Name	**A P S Engineering and Testing, LLC**	Past Performance Evaluation Category(ies)*	CE&I/OV
Project name	**Lakeview Street Reconstruction**	Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	New Orleans Department of Public Works
Project location	New Orleans, LA	Owner's Project Manager	James R. Kapesis
Owner's address, phone, email	13000 Perdido Street, New Orleans, LA 70112/ 504-658-8000 / jkapesis@la.gov		
Services commenced by this firm (mm/yy)	10/12	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	09/13	Cost of consultant services provided by this firm ($1,000's)	$240

A P S was tasked with the QA for material testing services. As the QA testing lab, A P S conducted the approved soil, compaction and concrete testing.

KEY PERSONNEL:

Sergio Aviles, P.E . - Project Manager
Sai Eddanapudi, M.E . , P.E. - Project Engineer
Surendra Pathak, M.S., P.E. Project Engineer
Joseph Layton -Field Technician
ecast & Analysis)

Project Relevance:

- ✓ Geotechnical Construction (GC)
- ✓ Constructability
- ✓ Contract Management (CM)

17. FIRM EXPERIENCE

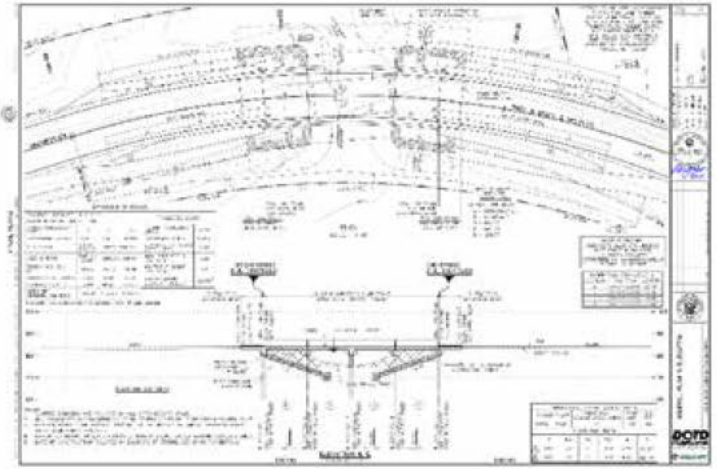
Firm Name	**Crescent Engineering & Mapping, LLC**	Past Performance Evaluation Category(ies)*	Road, Bridge
Project name	**McLin Road over Dutchman Creek**	Firm responsibility (prime or sub?)	Prime
Project number	H.015025	Owner's name	Louisiana Department of Transportation & Development/LADOTD
Project 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 involves the replacement of an existing 15'x50', 3-span timber bridge and adjacent roadway, drainage and guard rail improvements in St. Helena Parish near Pine Grove, LA. The project includes topographic surveys, roadway design, bridge design, and environmental support services. The selected replacement bridge structure was a 24' x 60', reinforced concrete slab span bridge with curved spans and approach slabs. The bridge was designed using OpenBridge Designer, STAAD, and LRFR performed using AASHTOWare BrR.

Crescent Engineering & Mapping, LLC was the prime consultant for the project and was responsible for all topographic surveys, hydraulic analysis and report of structure crossing, scour calculations, guardrail design, roadway design, temporary diversion layout, special bridge design elements including span, bent and approach slab design, and roadway and bridge plan production. Hydraulic analysis of the channel was performed using GeoHEC-RAS. All LADOTD design criteria and plan production requirements including Bentley Microstation/ Inroads and CadConform were followed per LADOTD contract requirements. Horizontal and vertical alignments, low-profile runaround, 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 completed the project in just 13 months including survey, environmental, preliminary and final plans due to an expedited schedule.**

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

KEY PERSONNEL:
Dennis M. Hymel Jr., P.E., Paul I. Olivier, P.E., Abbey F. Falcon, P.E., James P. Ledet, P.E., Megan M. Miller, P.E., Luke Bourg, Miles Loker



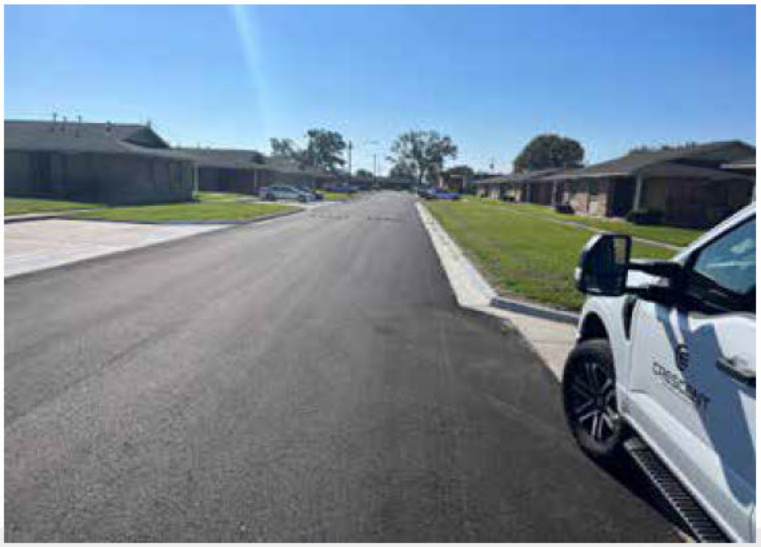
17. FIRM EXPERIENCE

Firm Name	**Crescent Engineering & Mapping, LLC**	Past Performance Evaluation Category(ies)*	Road, Survey
Project name	**St. James Parish Road Program (FY2022-FY2024)**	Firm responsibility (prime or sub?)	Prime
Project number	Multiple	Owner's name	St. James Parish Government
Project location	St. James Parish	Owner's Project Manager	Ryan Larousse
Owner's address, phone, email	5800 Hwy 44, Convent, LA 70723 225-206-1379 ryan.larousse@stjamesparishla.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

Crescent Engineering & Mapping, LLC is the Prime Consultant for St. James Parish's FY2022, 2023, and 2024 Parish-wide Roadway Rehabilitation Program. The project involves the **reconstruction and rehabilitation of roadways** throughout the Parish and includes **asphalt overlays, asphalt and PCC pavement patching, concrete curb and gutter**, driveways and pedestrian accommodations. Additional project requirements include **topographic surveying, geotechnical support services, bidding assistance and construction support.**

Crescent is responsible for reconnaissance of the Parish roadway network, public outreach, roadway prioritization, assistance in the selection of roadways for the program, topographic surveys, roadway and hydraulic design, utility surveys and coordination, geotechnical engineering oversight, bidding assistance and construction support services. Overall, the project encompasses over 16 miles of roadway length spread throughout **all Parish districts and let annually (three (3) separate projects).** The topographic survey was completed using LADOTD survey codes and procedures for control establishment with all survey data processed in Microstation/Inroads using LADOTD processing procedures. The project's design drawings are also being developed as traditional roadway plan and plan/profile sheets using Bentley Microstation/Inroads prepared in accordance with LADOTD procedures. Design elements include horizontal and vertical alignments of reconstructed roadways, typical roadway sections, pavement patching identification and details, pavement design recommendations, inlet spacing and pipe sizing calculations, inroads modeling/cross section development of reconstructed roadways, and quantity calculations. Construction is complete on the 2022 and 2023 programs and the 2024 program will let in November 2024.

KEY PERSONNEL:
Dennis M. Hymel Jr., P.E., Paul I. Olivier, P.E., Abbey F. Falcon, P.E., James P. Ledet, P.E., Luke Bourg, Miles Loker



17. FIRM EXPERIENCE

Firm Name	**Crescent Engineering & Mapping, LLC**	Past Performance Evaluation Category(ies)*	Road
Project name	**LA 44: Pelican Point Roundabout and Widen**	Firm responsibility (prime or sub?)	Prime
Project number	H.015568	Owner's name	Louisiana Department of Transportation & Development/LADOTD
Project location	Ascension Parish	Owner's Project Manager	Jacob Fusilier, P.E., P.M.P
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802 225-379-1185 jacob.fusilier@la.gov		
Services commenced by this firm (mm/yy)	08/24	Total consultant contract cost ($1,000's)	$777
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$557

The LA 44 Pelican Point Roundabout and Widening project involves **widening 1 mile of existing 2-lane roadway to a 4-lane urban** section with a raised median, directional U-turns, a multi-lane roundabout at Pelican Point Parkway and replacement of the existing RC Slab span bridge over the Panama Canal. The project includes traffic, feasibility, planning/environmental, roadway design, bridge design, geotechnical support and coordination, contract management, and construction support services. The project also includes **patching, mill/overlay and reconstruction** along the existing LA 44 roadway sections.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for all hydraulic analysis and design, TMP, roadway/J-Turn/roundabout geometrics, public meetings, inroads modeling, bridge design (including inspection, load rating and bridge evaluation report), utility conflict matrices and coordination, permit drawings, and related roadway design aspects of the corridor as well as agency coordination, construction support, geotechnical and environmental coordination, geotechnical boring plans, and plan production for Preliminary and Final plans. Crescent has completed the bridge inspection, load rating and evaluation report, public meetings, boring plans and preliminary geometric layout of the roundabout and roadway corridor. The 30% Preliminary Plans are due in November 2024.

KEY PERSONNEL:
Dennis M. Hymel Jr., P.E., Paul Olivier, P.E., Abbey Falcon, P.E., Megan Miller, P.E., James Ledet, P.E., Luke Bourg, Miles Loker

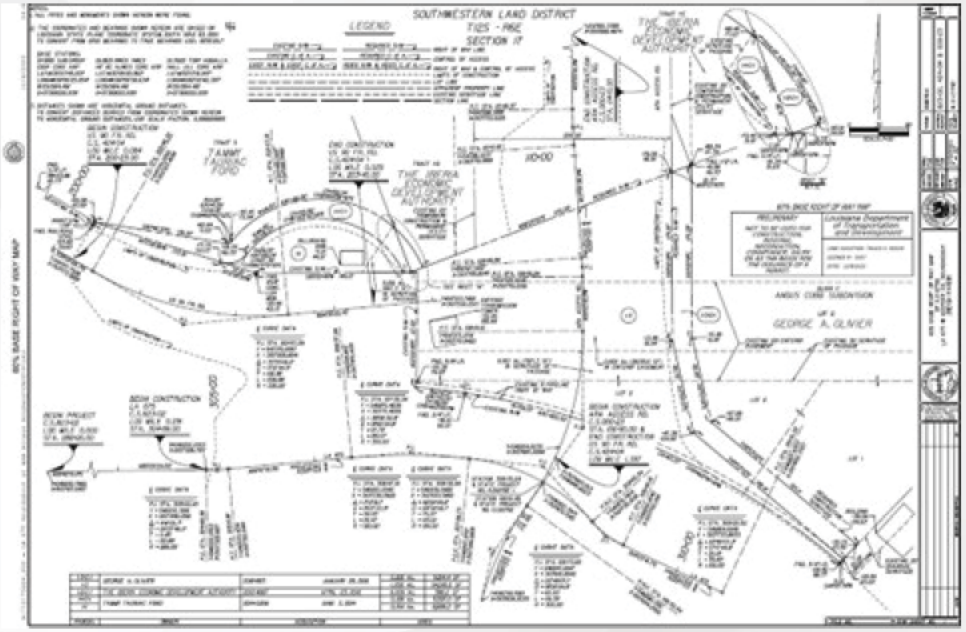
17. FIRM EXPERIENCE

Firm Name	**C. H. Fenstermaker & Associates, L.L.C.**	Past Performance Evaluation Category(ies)*	Survey, Right-of-Way
Project name	**LA 675 Roundabout at Acadiana Regional Airport Access Roadway**	Firm responsibility (prime or sub?)	Prime
Project number	LA State Project Number H.012792	Owner's name	Iberia Parish Government
Project location	Iberia Parish, LA	Owner's Project Manager	Larry Richard
Owner's address, phone, email	300 Iberia Street, Suite 400, New Iberia, LA 70560 | (337) 365-8246 | mlarryrichard@iberiagov.net		
Services commenced by this firm (mm/yy)	11/20	Total consultant contract cost ($1,000's)	$225
Services completed by this firm (mm/yy)	05/22	Cost of consultant services provided by this firm ($1,000's)	$225

Fenstermaker prepared construction plans and acquisition documents for the LA 675 Roundabout at Acadiana Airport Access Roadway in Iberia Parish. This roadway project will begin north of the intersection of LA 675 (Jefferson Island Road) and Acadiana Regional Access Road (ARA Access Road). The ARA Access Road will be extended to the south to connect to LA 675. The roundabout will be constructed at this connection and will consist of a single circulatory lane and singe-entry lanes with dedicated right-turn lanes. Reconstruction of the US Frontage Road will also be completed.

Fenstermaker provided topographic survey services, boundary survey services, created LADOTD Right-of-Way maps, generated roadway plans and profiles, designed the roundabout, designed the drainage, and completed an environmental assessment for this project.

KEY PERSONNEL: Travis Bodin | Bradford Millett

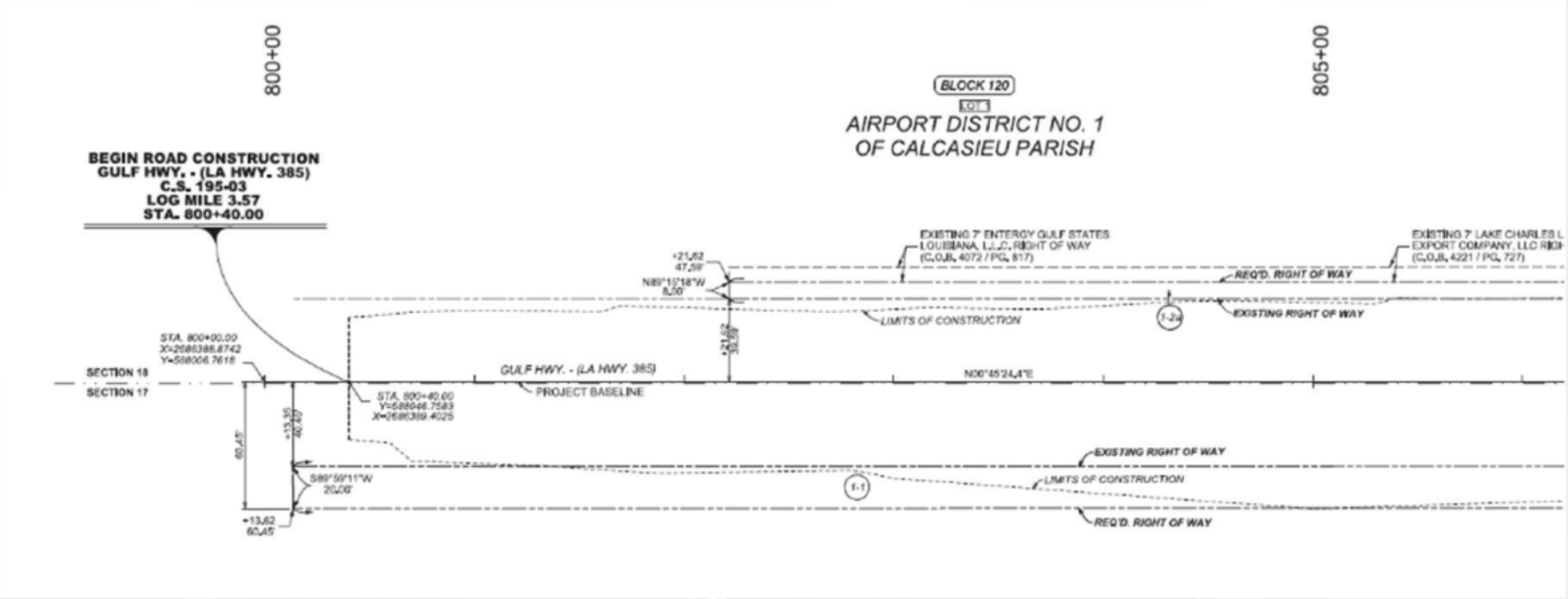


17. FIRM EXPERIENCE

Firm Name	**C. H. Fenstermaker & Associates, L.L.C.**	Past Performance Evaluation Category(ies)*	Survey, Right-of-Way
Project name	**Lake Charles LNG Traffic Impact Analysis and Road Improvements**	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Trunkline LNG Company, LLC
Project location	Calcasieu Parish, LA	Owner's Project Manager	Steve Couch
Owner's address, phone, email	1300 Main Street, Houston, TX 77002 | (713) 989-7411 | steve.couch@energytransfer.com		
Services commenced by this firm (mm/yy)	05/14	Total consultant contract cost ($1,000's)	$900
Services completed by this firm (mm/yy)	11/17	Cost of consultant services provided by this firm ($1,000's)	$900

Fenstermaker was responsible for designing road improvements at various locations to support anticipated construction traffic associated with the expansion of the Lake Charles LNG, G2X, and Magnolia Facilities. Fenstermaker performed topographic and boundary survey associated with the planned improvements, generated right of way maps, as well as coordinating and managing utility relocations. During construction Fenstermaker was responsible for all Construction Administration duties as well as supplying LADOTD certified inspectors to the project. Upon completion of the construction Fenstermaker submitted all close out documentation including Form 2059 to LADOTD.

KEY PERSONNEL: Travis Bodin | Bradford Millett

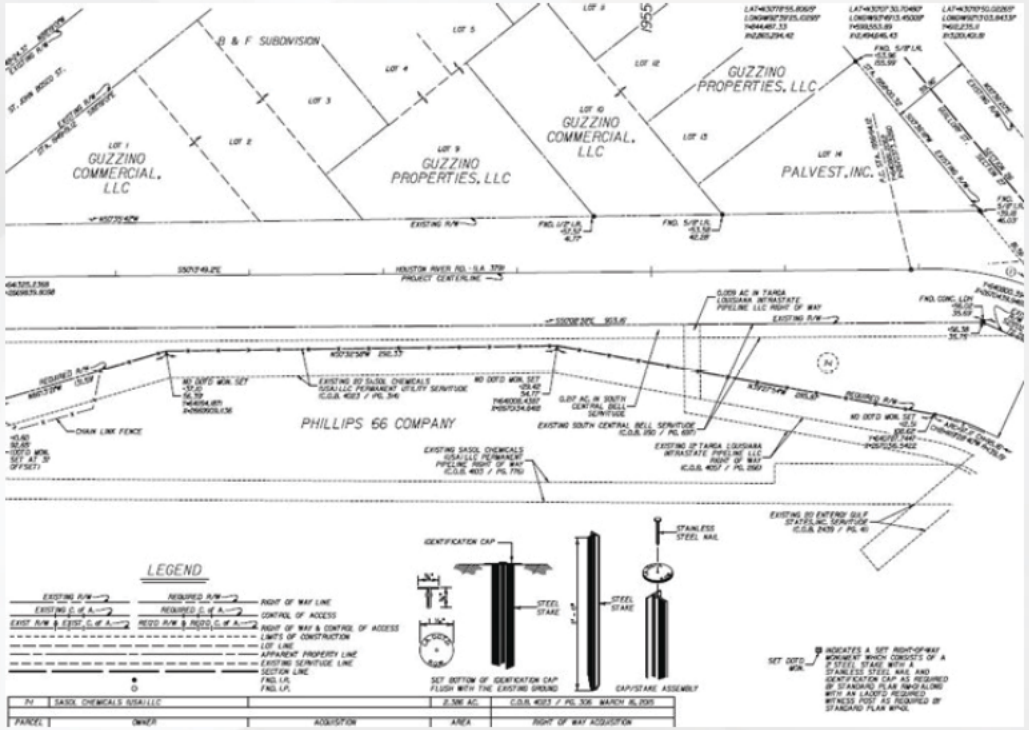


17. FIRM EXPERIENCE

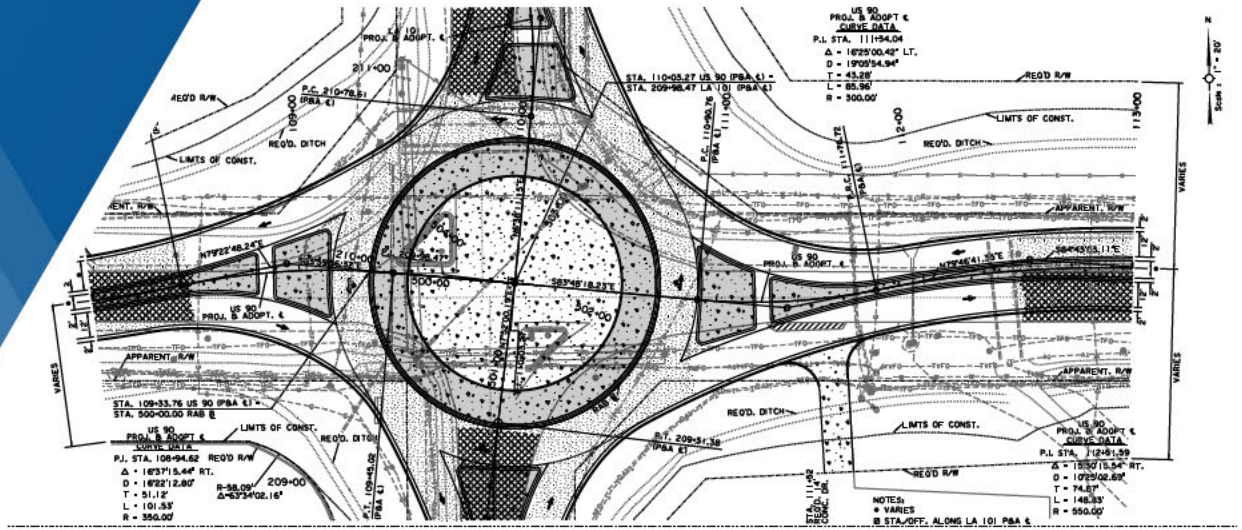
Firm Name	**C. H. Fenstermaker & Associates, L.L.C.**	Past Performance Evaluation Category(ies)*	Survey, Right-of-Way
Project name	**Sasol LCCP Heavy Haul Road (LA378 & LA739)**	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Fluor Enterprises
Project location	Calcasieu Parish, LA	Owner's Project Manager	Sean Anderson
Owner's address, phone, email	3535 Houston River Road, FTI CORE COMMERCIAL, Westlake, LA 70669 | (337) 310-7828 | sean.m.anderson@fluor.com		
Services commenced by this firm (mm/yy)	09/13	Total consultant contract cost ($1,000's)	$13,342
Services completed by this firm (mm/yy)	02/19	Cost of consultant services provided by this firm ($1,000's)	$11,413

A $60 million multi-award-winning construction project. the Heavy Haul Route project widened 2.4 miles of a 2-lane state highway with no shoulders to 4 lanes with shoulders. Fenstermaker designed the road, dual turning lanes, and dedicated right turns lanes and increased overall capacity. Fenstermaker also coordinated utility locations, completed property acquisition, and acquired LADOTD permits. This project met the expedited schedule for plant heavy haul shipments and had traffic in place within 24 months. Fenstermaker designed Adaptive Traffic Signalization, the first of its kind in Louisiana, for use on 7 signals. Adaptive Traffic Signalization is a system that adjusts signal timing and sequencing at intersections simultaneously. Fenstermaker's survey tasks included topographic survey, LADOTD ROW acquisition and mapping, generating parcels, acquiring 100+ parcels that included multiple churches and schools, and using laser scanning of manholes and ground penetrating radar for subsurface engineering (SUE).

KEY PERSONNEL: Travis Bodin | Bradford Millett



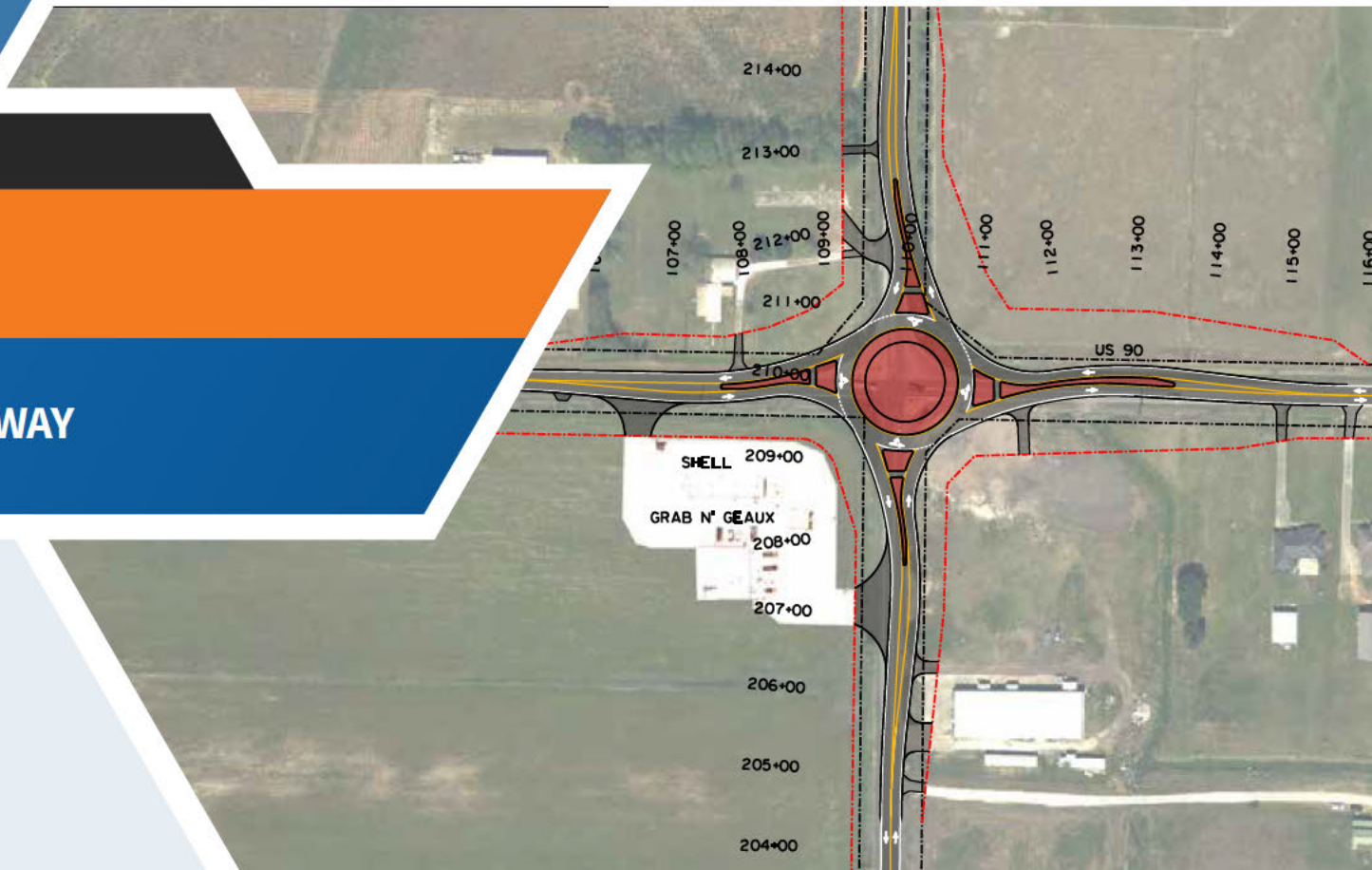
NSI is already providing all the services included in this IDIQ for DOTD through our larger contracted projects and our existing IDIQ Task Order Projects. The image to the right shows a public meeting exhibit and plan and profile sheet for one of the existing design projects which includes drainage, road, sanitary sewer, H&H and drainage detention design.



Section 18

Contract No. 4400030052

IDIQ CONTRACT FOR ROADWAY DESIGN SERVICES



18. APPROACH & METHODOLOGY:

PROJECT BACKGROUND

The IDIQ contract for roadway design services includes preservation projects, safety projects, J-turns, roundabout projects, and can also include interstate routes. These projects may involve structural details to fit the proposed improvements in the existing environment and available right-of-way. These projects may also require utility design when infrastructure such as effluent lines are present within the project limits. We are already providing these services for or existing IDIQ Contract for Road Design Services and look forward to continuing to help DOTD move additional Task Orders forward under this contract.

APPROACH AND METHODOLOGY

In the sections that follow, we have outlined an all-inclusive approach to completing the project, which is ideal for complex project types. NSI understands that the complexity of task order projects varies. Consequently, we are prepared to offer a more project specific approach which removes select submittal stages, for simple projects. We also can expedite project delivery as needed. We have experience utilizing these approaches for past DOTD projects which involve both the Headquarters and the District. This approach will allow for an expedited project schedule and efficient use of the DOTD reviewer's time. We also have a proven history of successfully partnering with DOTD to overcome challenges with solutions that effectively move projects forward.

DOTD Performance Review Quote: "The consultant managed the project very effectively. The consultant worked very closely with the DOTD project manager in every step of the process. They have followed the project scope and individual tasks, planned the project process based on the schedule. The consultant has always kept good communication with DOTD and other stakeholders."

Project Kickoff Meeting: NSI will attend the kick-off meeting where the project background, communication protocols, project schedule and submittal stages will be discussed and design criteria (to include assumptions, factors, loads, limit states and governing elements for bridge barrier rails, bridge hydraulics, guard rail, bearings, joints, approach slabs and deck drainage) will be presented where applicable. This meeting provides an opportunity to confirm the expectations of all attendees and obtain/request existing information which may not have been previously provided to the consultant. When properly conducted, this meeting can prevent issues as the project advances and helps to streamline the project schedule.

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

Prior to the Kickoff meeting NSI will provide the project manager with a draft version of the schedule for review and approval. The approved schedule will be presented at the kick-off meeting. In addition, a list of anticipated deliverable items based on submittal stages will be provided to attendees. A portion of the anticipated deliverable items, from a prior NSI project is provided in Figure 1.

Figure 1: Portion of an example Plan Submittal Stages Document

Utilized for kickoff meetings

Subject to change based on specific Task Order requirements

Milestone	Recipient	Roadway Tasks Required
30% Preliminary Plans	Pavement & Geotechnical Section Utility Sections Traffic Development Section	**Plan Sheets** Title Sheet Project Layout Maps Typical Sections and Detail Sheets Plan and Profile Sheets **Report Submittals** LADOTD Design Report
60% Preliminary Plans	Road Design Bridge Design Traffic Development Pavement & Geotechnical Section: Soil Borings, Probings, Sub-grade Soil Survey, pH & Resistivity Hydraulics Section Location & Survey: Begin Property Survey & Base Right-of-Way Maps Environmental Initiation Utility Sections Real Estate Review	**Plan Sheets: Updated 30% Submittal Plus** Title Sheet Typical Section and Detail Sheets Plan and Profile Sheets Drainage Map Sheets Reference Points & B.M. Elevation Sheets Drainage Map Sheets Geometric Control Sheets Geometric Layout and Detail Sheets Subgrade Soil Survey Sheets Miscellaneous Sheets Cross-Sections **Report Submittals** Hydraulic and Drainage Design

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

Survey Services: If requested, 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.

Existing Data Review: While the topographic survey is being completed, we will complete a review of the existing data (if available) such as-built plans, existing studies, prior design plans, shop drawings and structure maintenance records.

NSI will review the existing geometry, traffic data, utility data and any other available data to transition the design to the preliminary design phase. NSI will obtain LiDAR data and determine the apparent ROW limits. This information will allow the project to advance while the topographic survey and right-of-way data is being obtained.

18. APPROACH & METHODOLOGY:

Preliminary Plans: Our ***traffic control and signal design*** will use DOTD's EDSM VI.1.1.2 Intersection Control Evaluation (ICE) Requirements to determine if a full access intersection is the preferred alternative and if Warrant 1A (100%), Eight-Hour Vehicular Volume or Warrant 7, Crash Experience, are met in accordance with the requirements outlined in the latest version of the Manual on Uniform Traffic Control Devices (MUTCD). If a full access signalized intersection is required, the traffic signal will be designed in accordance with DOTD's Traffic Signal Manual V3 (7-1-2020), standard specifications and standard details. The traffic signal plans will use DOTD's Traffic Signal Inventory Construction Plan V3.2 form for developing the plans. We will evaluate the latest 3-5 years of crash data to identify trends in crashes. Crash reports will be read and analyzed including a QA to a Quality Assurance of 90%. In addition, collision diagrams will be prepared as needed.

DOTD Performance Review Quote: deliverables were prepared per the Traffic Engineering Process and Report (TEPR) and were delivered on time, were clear and concise. The consultant responded to all questions and comments before moving forward and kept the project on track. Consultant worked well with local entity and entity contractors to incorporate future corridor modifications not originally anticipated in the task order scope.

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.

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

Our ***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). If a major crossing is within the project limits, we will utilize HEC-RAS to model the water surface profiles. We will pull FEMA flood maps to determine if the project is within the 100yr floodplain and if required we have the capability of completing a no-rise analysis.

DOTD Performance Review Quote: "Consultant provided a quality set of final plans in conformance with DOTD drafting procedures and standard formats. Consultant used knowledge of hydrology and hydraulic design to design of the subsurface drainage system. Preliminary and final plans included proper sheets appropriate to the project with legible and comprehensive details. Plan review comments were well documented and appropriately addressed with written responses. Project plans went through review with only minor formatting comments that needed to be addressed."

Most projects will not require ***bridge design***. However, if bridge design is 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. If superelevation is required near bridge ends or on the bridges. The Neel-Schaffer design team will ensure that both roadway and bridge design teams communicate early and often in the design process to resolve any discrepancies and competing demands of roadway geometry and superelevation to bridge geometrics and constraints, especially in superelevation transitions or runouts. The result of these discussions, the design criteria and early geometric layout will be 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. The bridge hydraulic and scour analyses will be completed in accordance with current FEMA, FHWA, and DOTD design policies and in accordance with applicable Parish Flood Ordinances. The NSI team will aim to design these bridge crossings to achieve a "No-Rise/No-Impact" Certification, when applicable.

Should a public meeting be required as part of our contract, NSI will provide DOTD with all public meeting exhibits for the design, create a PowerPoint presentation, handouts, comment forms, secure the venue, and conduct the meeting. Typically, select DOTD staff members will also attend, such as the DOTD PM, DOTD real estate (if there are takings), and DOTD environmental. We will also create the advertisement, publish it in the local paper, and provide draft versions of all meeting materials in time for DOTD review. We suggest that the public meetings take place during the 30% preliminary phase prior to drainage design (if applicable). This allows the public to see DOTD approved geometry and prevents rework for the drainage design if a NEPA alternative is realized from public input.

Our staff has conducted numerous public meetings for DOTD while utilizing exhibits we created. We understand that the presentation for public meeting exhibits greatly differ from the presentation of design plans. Our exhibits are aesthetically pleasing while conveying the design elements in a way that the public can easily follow. This is key to obtaining meaningful public input and obtaining community support. NSI has developed VISSIM models as part of the several past DOTD projects which display the roundabout operations and operations of complex interchanges such as DDI's.

DOTD will obtain the environmental clearances and obtain any required permits. 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. Should DOTD desire, we also have the ability to provide full environmental services including obtaining environmental clearances as we have for some past DOTD projects.

30% Preliminary Plans (if required): We understand that the required deliverables vary based on project complexity. We will provide 30% Preliminary Plans (if required) however, if the project managers agree, for the less complex projects, we will proceed with the development of 60% preliminary plans for the initial submittal, instead. This will expedite the schedule and provide an efficient use of DOTD review staff time/effort.

When a 30% preliminary submittal is desired, it will include the title sheet, typical sections and roadway plan and profile sheets with existing topography shown. Typical Section: The typical section sheets will consist of the typical grading and finished sections. They will depict all major geometric

18. APPROACH & METHODOLOGY:

features and dimensions such as, but not limited to the following: lane width, shoulder width, curb, pavement cross slopes, clear zone, backslope, foreslope, sidewalk/path, pavement markings, ROW, CL, PGL. Plan and Profile sheets: The plan and profile sheets will include annotation of the vertical and horizontal geometry including, but not limited to the following: existing groundline, proposed horizontal and vertical curve data and longitudinal grades.

DOTD Performance Review Quote: "Consultant worked well with the city to optimize the project layout in available right of way. The consultant worked independently to resolve issues minimizing unnecessary involvement of the Department. Overall performance was positive. Consultant staff was easy to work with. Construction completed without any change orders related to design errors."

60% Preliminary Plans: Our 60% preliminary plan set will include all the sheets previously submitted during 30% preliminary plans but at a higher level of detail. In addition, the existing drainage map, proposed drainage map, drainage plan and profiles, geometric details, cross sections, preliminary design report, construction notes and details and the drainage report will be submitted at the 60% preliminary plan milestone. This phase typically begins the utility relocation recommendation phase, establishment of preliminary right-of-way takings (if applicable). We will refine the geometry submitted during the 30% Preliminary Plan submittal to address comments and model the corridor utilizing Power InRoads (SS2) and the topo dtm file. The pavement section provided by DOTD will be utilized to create InRoads templates and check for the required construction and hydraulic clearances. 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.

95% Preliminary Plans and Plan-In-Hand (PIH): The 95% Preliminary Plan submittal will include all of the sheets previously submitted but in more detail. If bridge design is required, all bridge plan sheets continue to be developed 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. This submittal will include the traffic signal plans (if applicable). The traffic signal plans will consist of the proposed signal equipment layout sheets and proposed signal phasing and timing based on the intersection geometry. This will include signal pole locations, power source location, traffic control cabinet/control, vehicular and pedestrian signal heads, and vehicle detection.

This submittal will also include the summary of estimated quantities sheets (pay items only) and the suggested sequence of construction sheets. 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. Should a PIH meeting be requested, we will attend and summarize comments.

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 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 60% preliminary plan submittal in addition to the Summary sheets and Construction notes for review. Property surveys will be required and Right-of-way maps will be prepared so that the joint plan review meeting can be held. If updates are required to the Design Report, they will be submitted at this time. If applicable, superelevation diagrams will be reviewed again against bridge geometry, bent and deck elevations as well as a review of the Inroads model by the bridge design team to ensure the bridge bent and deck elevations are consistent with the roadway geometry, superelevation and transitions. 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.

The traffic signal plans will include the final signal equipment layout, proposed signal phasing and timings, traffic signal wiring diagram/wiring chart, a list of potential pay items and summary quantity sheets, without quantities, will be developed and any required design reports will be provided. General construction sequencing phases, temporary signals and the draft Traffic Management Plan (TMP) developed in accordance with EDSM VI.1.1.8 will accompany the 60% PP stage and will be further developed thereafter.

While it is not anticipated that non-standard specifications will be required for these projects, we are able to provide these specifications as part of this submittal. The same applies to any draft design exceptions/waivers. These documents will be updated as necessary. If an Engineering Reason and Decision Document (ERDD) is required for permanent signing, onsite inspections will take place after Plan in Hand.

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.

For the 95% final roadway/intersection plan submittal, the traffic signal plans will consist of addressing comments from the 60% final plans. With this submittal, the final signal equipment layout will be provided along with the final traffic signal wiring diagram, signal phasing and timing charts, detection chart, preemption phasing and parameters (if required) pay items and estimated quantities, and opinion of estimated traffic signal construction cost. 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.

For the 98% final roadway/intersection plan submittal, the traffic signal plans will consist of addressing comments from the 95% final plans. With this submittal, the final signal equipment layout will be provided along with the final traffic signal wiring diagram, signal phasing and timing charts, detection chart, preemption phasing and parameters (if required) pay items and estimated quantities, and opinion of estimated traffic signal construction cost. In addition, any required technical specifications will be provided.

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.

18. APPROACH & METHODOLOGY:

With this submittal, the final stamped and signed traffic signal plans will be provided. The signal equipment layout will be provided along with the final traffic signal wiring diagram, signal phasing and timing charts, detection chart, preemption phasing and parameters (if required) pay items and estimated quantities, opinion of estimated traffic signal construction cost and technical specifications.

Construction Support: We understand that the construction services will be provided by others, but 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.

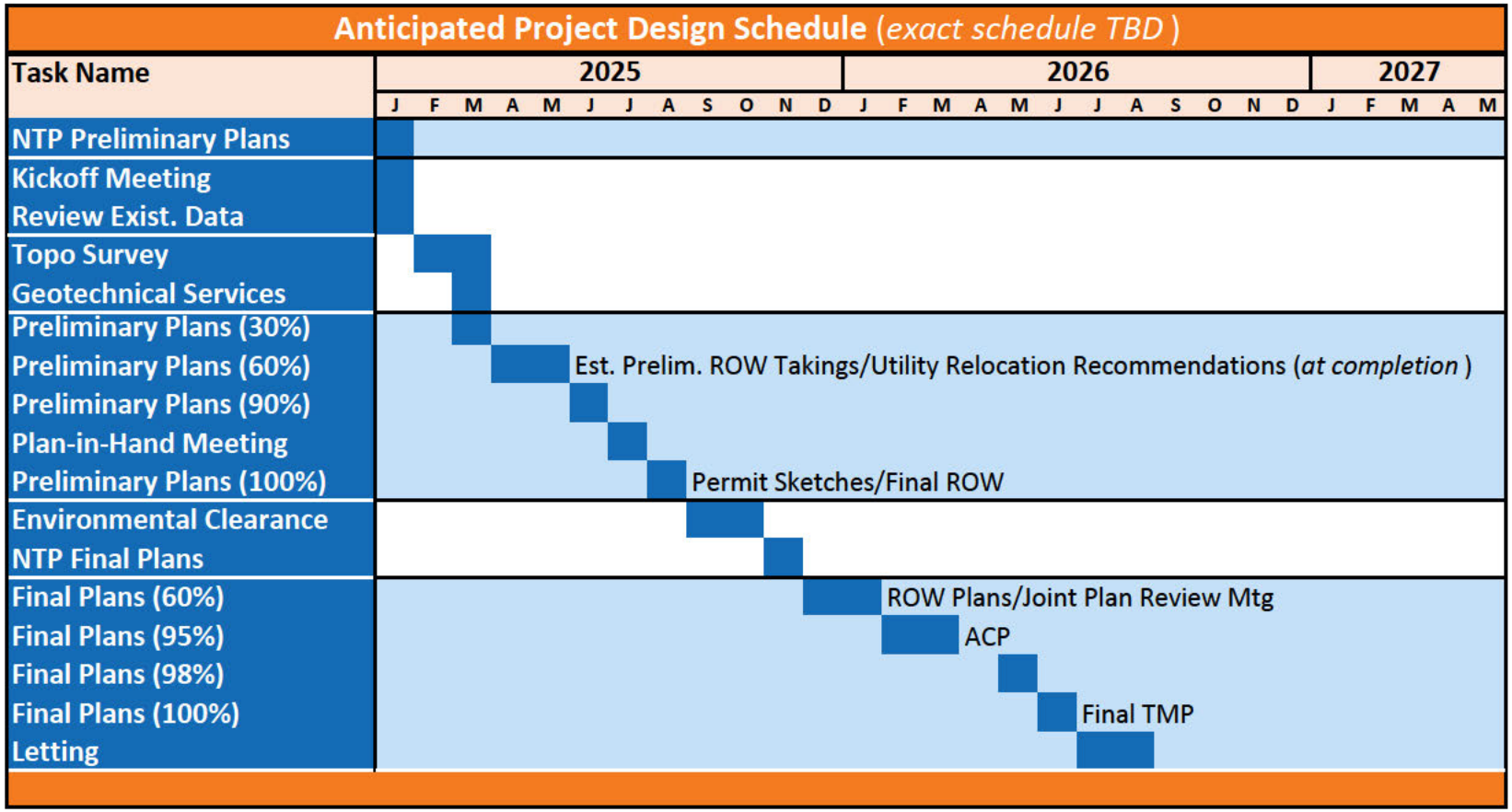


Figure 2: Typical Project Schedule
Exact tasks and durations subject to change based on task order project requirements

NSI has also provided construction support and CE&I services along DOTD highways.

Section **19**

Contract No. 4400030052

IDIQ CONTRACT FOR ROADWAY DESIGN SERVICES

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Neel-Schaffer, Inc.	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	$54,761
	ITS	4400010428 EWL 3, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	$805
	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	$226,797
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	$26,300
	ITS	440005459, H.004780.5	Kansas Lane Connector, S.A. #6	$7,334
	ITS	4400016364, H.013256.6	I-10 ITS Scott to Lake Charles Technical Support Services During Construction	N/A
	ITS	4400016364, H.011504.5	Alexandria ITS Phase 2	$2,700
	ITS	4400016364, H.014511.1	Houma Regional ITS Architecture Update	$35,501
	ITS	4400016364, H.015136.1	Shreveport-Bossier Regional ITS Architecture Update	$35,683
	ITS	4400016364, H.015136.1	Lake Charles Regional ITS Architecture Update	$34,184
	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	$187,076
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	$13,195
	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	$59,915
	Planning	4400018271, H.014746.1	LA 383 Corridor Study	$94,106
	Planning	440023689, H.015148.5	District 03 Safety Investment Plan	N/A
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	$115,898
	Planning	4400023689, H.015227.5	US 61 at Victoria Dr. Ped Crossing	$16,520
	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	$53,488
	Road	4400024927, H.015226.5	US 90: Roundabout at LA 101	$45,836
	Traffic	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	$380,071
	Traffic	4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	$146,502
	Road	4400024927, H.014366.5	LA 621 Realignment at LA 73	$306,608
	Traffic	4400024927, H.014366.5	LA 621 Realignment at LA 73	$148,020

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
APS Engineering and Testing, LLC	Geotech	4400091011/ H.001711	Saline Bayou Relief & Creek Mill	$110,632
	Geotech	4400017262/ H.012545.5	Union Pacific Railroad	**$62,233**
	CE&I/OV	4400024653/ H.01254.6	Wiggins Bayou Bridge	$70,617
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.016012	Transportation Alternatives Program (T.O. #1)	$37,517
	Road	44-25035; H.014984	Libuse Cutoff Road Over Flagon Bayou	$21,927
	Bridge	44-25035; H.014984	Libuse Cutoff Road Over Flagon Bayou	$48,806
	Road	44-28434; H.015568	LA 44: Pelican Point Roundabout and Widen	$434,167
	Bridge	44-28434; H.015568	LA 44: Pelican Point Roundabout and Widen	$82,821
C. H. Fenstermaker & Associates, L.L.C.	Road	4400020291; H.012869	LA 182 / Renaud Roundabout	$172,316
	Bridge	4400025023; H.015513	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Elenor Road Over Coulee	$69,876
	Bridge	4400025023; H.015335	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Puma Road Over Coulee	$150,075
	Bridge	4400025023; H.015516	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Beiber Road Over Nezpique Bayou	$67,000
	Bridge	4400025023; H.015512	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Mullins Road Over Tate Bayou	$62,437
	Bridge	4400025023; H.015511	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, E. Martial Ave Over Coulee	$74,033
	Bridge	4400025023; H.015515	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Andover Road Over Indian Bayou Lateral	$102,250
	Bridge	4400025023; H.015514	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Sarah Dee PKWY. Over Coulee	$150,050

C. H. Fenstermaker & Associates, L.L.C.	Bridge	4400025023; H.015505	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Solid Wastewater Road Over Bayou Boeuf	$63,241
	Bridge	4400025023; H.015510	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Phillip Street Over Drainage Bayou	$115,675
	Bridge	4400025023; H.015509	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Huval Street Over True Canal	$74,950
	Bridge	4400025023; H.015508	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Adam Guidry Road Over Coulee	$159,025
	Bridge	4400025023; H.015507	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Minos Road Over Coulee	$83,750
	Bridge	4400025023; H.015506	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Aristide Road Over Coulee	$104,025
	Bridge	4400025023; H.015517	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Guegnon Street Over Youngs South Coulee	$152,500

20. CERTIFICATIONS/LICENSES:

SEE ATTACHED

Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Charles Adams

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Charles Adams

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Charles Adams

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

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
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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

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Authorized instructor

DOTD
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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

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

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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

Seth Popay

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

Seth Popay

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

Seth Popay

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 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

Certificate of Completion

presented to

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

Certificate of Completion

presented to

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

Certificate of Completion

presented to

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

Clarke Chauvin

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

Clarke Chauvin

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

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Clarke Chauvin

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

21. QA/QC PLAN:

See Attached

22. SUB-CONSULTANT INFORMATION:

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
APS Engineering and Testing, LLC	1465 Nicholson Dr. Baton Rouge, LA 70802	Sergio Aviles, P.E. sergio@aps-testing.com	(225) 456-5714
Crescent Engineering & Mapping, LLC	1815 Hwy 18 Vacherie, LA 70090	Dennis M. Hymel, Jr., PE Dennis.hymel@crescentengla.com	(225) 329-1742
C. H. Fenstermaker & Associates, L.L.C.	135 Regency Square Lafayette, LA 70508	Travis Bodin, MBA, PLS, PMP travisb@fenstermaker.com	(337) 237-2200

23. LOCATION:

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