

Nelson Road

LA 384

PROPOSAL

Engineering and Related Services

LA 384 (BIG LAKE RD TO MCNEESE ST) ROUTE: LA 384, CALCASIEU PARISH

Contract No. 4400035806

State Project No. H.011242.5

Federal Aid Project No. H011242

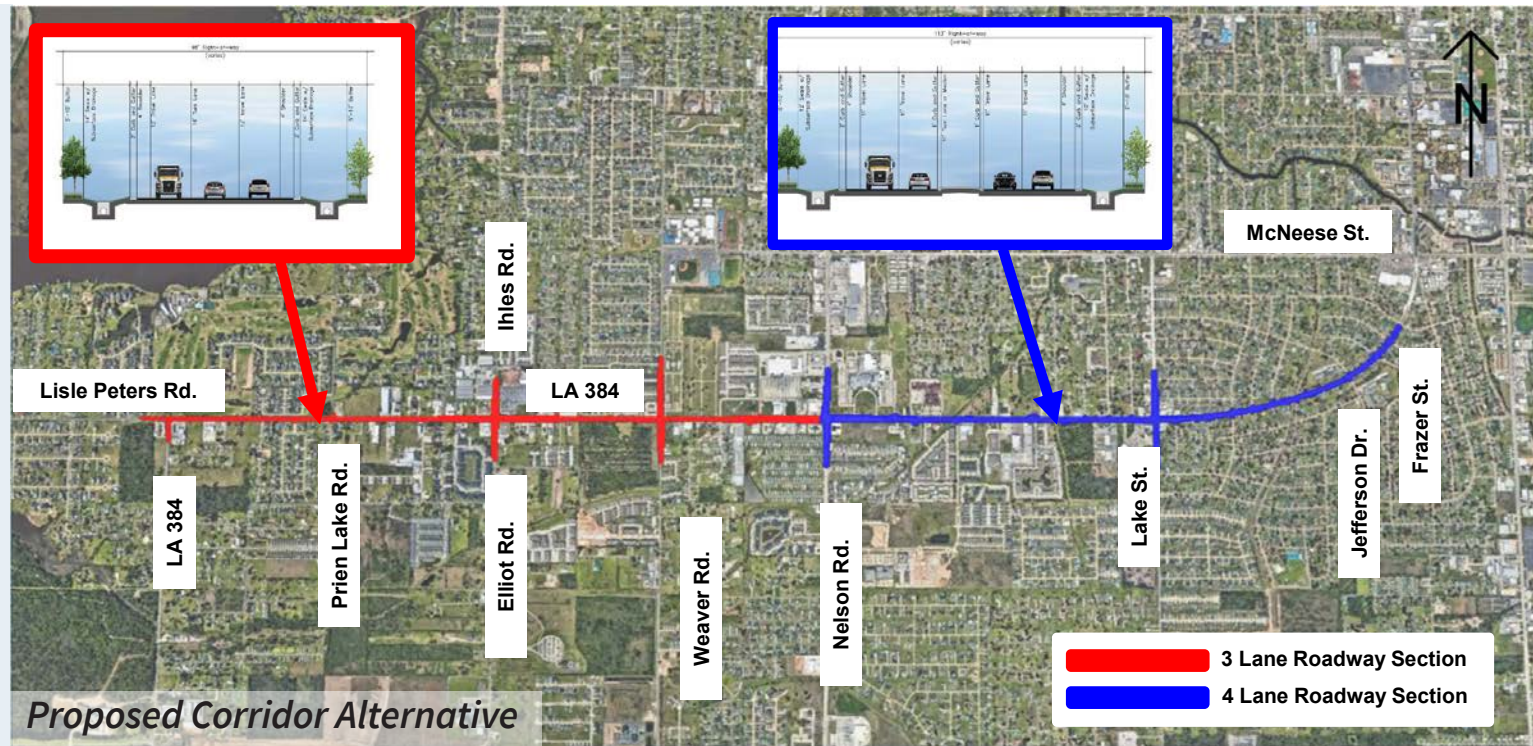
Project Manager

Dishili Curry, PE, PTOE

dishili.curry@neel-schaffer.com

225.614.2816

Neel-Schaffer (NS) completed the Feasibility Study that analyzed and recommended the improvements included in this project. We completed the layouts, checklists, Stage 0 report, traffic study and public outreach. Recommended improvements will construct a three-lane section of roadway from Lisle Peters Road to Nelson Road and a four-lane section of roadway from Nelson Road to McNeese Street with intersection improvements including signals, turn-lanes, and J-turns.

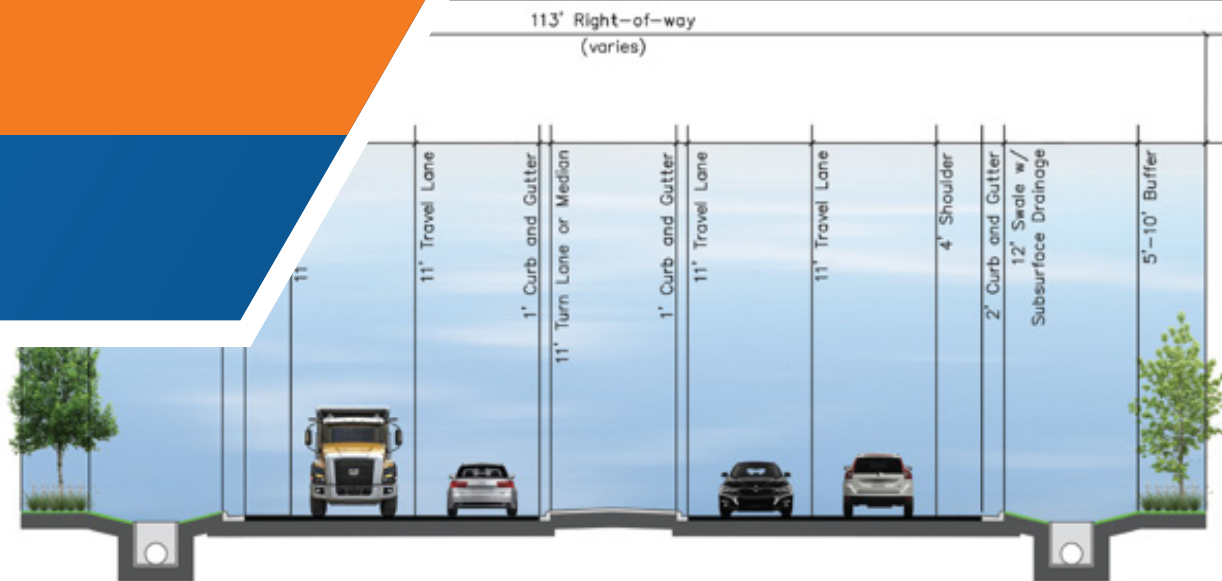


Sections 1-11

Contract No. 4400035806

LA 384 (BIG LAKE RD TO MCNEESE ST)
ROUTE: LA 384, CALCASIEU PARISH

NS created both graphics for the LA 384 public meeting: (top) recommended improvements and (bottom) typical section for 4-lane roadway.



DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised August 11, 2025)

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

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

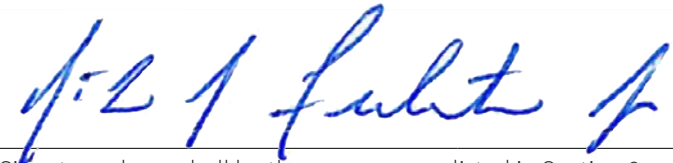
1. Contract Name as shown in the advertisement	LA 384 (Big Lake Rd to McNeese St)
2. Contract Number(s) as shown in the advertisement	4400035806
3. State Project Number(s) , if shown in the advertisement	H.011242.5
4. Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	Neel-Schaffer, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is re-quired under Louisiana law)	EF.0001372
6. Prime consultant mailing address	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Dishili Curry, PE, PTOE <i>Senior Vice President / Engineer Manager</i> dishili.curry@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 <i>Executive Vice President / Louisiana Area Manager</i> nick.ferlito@neel-schaffer.com 225.924.0235



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

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

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



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

Date: **August 5, 2026**

FIRM	FIRM PERCENT
N/A	N/A

CORRIDOR ALTERNATIVE
LA 384 FEASIBILITY STUDY
PROJECT NO. H.011242
CALCASIEU PARISH



Sections 12-15

Contract No. 4400035806

LA 384 (BIG LAKE RD TO MCNEESE ST)
ROUTE: LA 384, CALCASIEU PARISH

This map shows recommended phases.

As part of the Stage 0 Feasibility Study, NS completed a comparison analysis for the intersections to develop phased improvements which prioritized the intersections based on safety and operations. As part of the safety ranking, the number of crashes and LOS were evaluated. The operations ranking evaluated the approach LOS, Delay, and Queues. The resulting Intersection Priority Ranking follows: 1. Lake Street, 2. Nelson Road, 3. Weaver Road, 4. Elliott/Ihles Road, 5. Jefferson Drive, 6. Prien Lake Road, 7. Lisle Peters Road

12. DISCIPLINE TABLE:

Discipline	% of Overall Contract	Neel-Schaffer, Inc.	C. H. Fenstermaker & Associates, L.L.C.	Each Discipline must total to 100%
Road*	96%	69%	31%	100%
Traffic	2%	100%	0%	100%
Bridge	2%	100%	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%	70%	30%	100%

* Road Discipline includes drainage, H&H, lighting and landscaping



13. TEAM SIZE:

Firm name	DOTD Job Classification	Number of personnel <u>committed</u> to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
 Neel-Schaffer, Inc.	Principal	2	2
	Supervisor – Eng	1	2
	Engineer	18	62
	Engineer Intern	2	10
	Landscape Architect	1	2
	Senior Technician	2	5
 C. H. Fenstermaker & Associates, L.L.C	Supervisor - Eng	1	4
	Engineer	4	15



14. ORGANIZATIONAL CHART:

Contract No. 4400035806
LA 384 (BIG LAKE RD TO MCNEESE ST)



LEGEND

- Neel-Schaffer, Inc.
- C. H. Fenstermaker & Associates, L.L.C.
- ④ MPR Designation ◀ TEPR Certified

CLIENT LIAISON

■ Austin Doucet, PE, CFM

PROJECT PRINCIPAL

■ Nick Ferlito, Jr., PE, PTOE ◀ ① ②

PROJECT MANAGER

■ Dishili Curry, PE, PTOE ◀ ② ③

QA / QC

■ Gary LeBlanc, PE *Road* ◀
■ Kirk Gallien, PE, PTOE *Traffic* ◀
■ Frank Standige, PE *Constructability*

Traffic Signal Design

■ Jonathan Duhe, PE, PTOE, RSP ◀ ⑤
■ Charles Adams, PE, PTOE ◀
■ Ellen Burke Howard, PE, PTOE, RSP ◀ ⑤
Data Collection
■ Lonny Territo

Public Outreach

■ Dishili Curry, PE, PTOE ◀ ② ③
■ Mai Nguyen, PE ③
■ Joshua Schexnider, PE
■ Kara Moree, CFM
■ Dax Douet, PE

Road and Drainage Design

■ Dishili Curry, PE, PTOE ◀ ② ③
■ Mai Nguyen, PE ③
■ Chance Shuckrow, PE ③
■ Scott Andrepont, PE ③
■ Joshua Schexnider, PE
■ Jacob Thiaville, EI
■ Stephen Perault
■ Leah Selcer, PE
■ Nick Castille, PE
■ Ryan Lam, EI
■ Dax Douet, PE
■ Ian Trahan, PE
■ Aimee Latiolais, PE
■ Anna Doucet, MBA, PE
Utility Design (if required)
■ William (Don) Lancaster, PE

Structural Design

■ Steve Hazen, PE ④
■ Randy Boudreaux, PE ④

Electrical Design

■ Glen Reed, PE

Landscape Architecture

■ Russ Bryan, PLA

Construction Support

■ Mai Nguyen, PE ③
■ Scott Andrepont, PE ③
■ Chance Shuckrow, PE ③
■ Daniel Marks, PE

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		PE No. 28001 - Civil	LA	09/30/27
2	Nick Ferlito, Jr., PE, PTOE		PE No. 28001 - Civil	LA	09/30/27
2	Dishili Curry, PE, PTOE		PE No. 33723 - Civil	LA	09/30/26
3	Dishili Curry, PE, PTOE		PE No. 33723 - Civil	LA	09/30/26
3	Mai Nguyen, PE		PE No. 38189 - Civil	LA	03/31/28
3	William Chance Shuckrow, PE		PE No. 42746 - Civil	LA	03/31/27
3	Scott Andrepont, PE		PE No. 37107 - Civil	LA	09/30/26
4	Steve Hazen, PE		PE No. 18087 - Civil	LA	03/31/27
4	Randy Boudreaux, PE		PE No. 32362 - Civil	LA	09/30/26
5	Ellen Burke Howard, PE, PTOE, RSP ₁		PE No. 38207 - Civil PTOE No. 3735	LA all	03/31/28 08/01/29
5	Jonathan Duhe, PE, PTOE, RSP ₁		PE No. 41047 - Civil PTOE No. 4418	LA all	03/31/27 03/18/27

PAST EXPERIENCE

DOTD J-TURN AND U-TURN PROJECT EXPERIENCE	✓	✓	✓	✓	✓	✓	✓
DOTD PROJECT EXPERIENCE IN CALCASIEU PARISH	✓	✓	✓	✓	✓	✓	✓
DOTD TRAFFIC DESIGN EXPERIENCE	✓					✓	✓
DOTD PRELIMINARY & FINAL PLAN PRODUCTION	✓	✓	✓	✓	✓	✓	✓
DOTD CONSTRUCTION SUPPORT	✓	✓	✓	✓	✓	✓	✓

Section 16

Contract No. 4400035806

LA 384 (BIG LAKE RD TO MCNEESE ST)
ROUTE: LA 384, CALCASIEU PARISH

16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Nick Ferlito, Jr., PE, PTOE			Years of relevant experience with this employer	30
	Title	Executive Vice President / Louisiana Area Manager			Years of relevant experience with other employer(s)	3
	Degree(s) / Years / Specialization		BS / 1993 / Civil Engineering; MS / 1996 / Civil Engineering			✓ Experience with LA 384 project included in this RFP
	Active registration number / state / expiration date		PE No. 28001 / LA / 09-30-2027; PTOE No. 930			
	Year registered	1998	Discipline	Civil		
	Contract role(s) / brief description of responsibilities		Principal, MPRs 1 & 2			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extending existing roads, construction of roundabouts, turn lanes and drainage improvements. Crosswalks included. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Traffic Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Traffic Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) (SPN. H.009425.5); Traffic Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The project also includes the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000’east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; Pavement preservation project will include 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. The scope of work includes pavement patching, 4” mill and overlay, roadway reinforcing mesh, curb ramps at existing driveways and turnouts, guardrail and embankment at the overpass. 5.) H.015640 LA 150 & LA 818: Roundabout; Project will convert the existing intersection to a single lane roundabout intersection.					
5/19 - 5/24	SPN. H.011242, LA 384 (Big Lake Road to McNeese Street): Traffic Services for two Stage 0s completed for the project included in this RFP.					
04/23 – Present	Lagneaux Turn Lane Improvements: Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.					
04/23 – Present	Rue Du Belier Roundabout: Project will convert existing single roundabout to double lane roundabout with drainage improvements and lighting. Assisted with design.					
04/23 – Present	S. Domingue Roundabout: Project will provide roundabout and drainage improvements. Assisted with design.					
01/20 – Present	I-20: LA 544 Overpass Replacement: 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 – 12/16	LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1): Traffic Engineer responsible for data collection, corridor traffic operational analysis (Synchro and Sidra), calibrated Vissim modeling, Stage 0 Traffic Report. Includes six multilane roundabouts. Project includes U-turns.
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. Project includes J-turns and U-turns.
07/16 – Present	I-49 South at Verot School Road, Lafayette, LA: Performed Traffic QA/QC on the preparation of a Level 3 TMP and design of temporary and permanent traffic signals. Includes a multilane roundabout.
08/20 – Present	I-10 & I-12 College Drive Flyover Ramp Design-Build, Baton Rouge, LA: Project Manager for Interchange Modification Report, TMP, and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with LADOTD's TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) for evaluating various MOT strategies.
08/20 – Present	College Drive Enhancement Project (Perkins Road to I-10), Baton Rouge, LA: Project Manager for the Traffic Study component for the study of the College Drive corridor. The Traffic Study is being prepared in accordance with DOTD's TEPR and includes performing all analysis in Vissim to evaluate various alternatives. In addition to corridor improvements, a tiered analysis will be performed to evaluate various interchange alternatives for I-10 at College Drive.
12/19 – 02/21	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. Project includes J-turns and U-turns.
06/17 – 09/18	I-10 New Orleans Master Plan, Port Access Improvements: Project Manager created a plan or a program of projects which mitigates the severe congestion extending from Interstate 10 at its interchange with the Pontchartrain Expressway (US 90B / I-910) to the Crescent City Connection (CCC) crossing of the Mississippi River, including connecting ramps and roadways. Includes roundabout alternatives. Project includes U-turns.
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. Project includes J-turns and U-turns.
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. Project includes J-turns and U-turns.
02/18 – Present	Kansas Lane-Garrett Road Connector and I-20 Improvements, Monroe, LA: Project Manager/Traffic Lead for the preparation of a Level 4 Transportation Management Plan, review of MOT plans, design of temporary and permanent traffic signals and design of the relocation of DOTD ITS fiber optic trunk line.
Career History	Nick joined NSI in 1996 and currently serves as Executive Vice President and Louisiana Area Manager, overseeing statewide operations. With over 33 years of experience in traffic and transportation engineering, he has led numerous projects involving signal timing, signal design, safety studies, and corridor analysis for both public and private clients. He is proficient in traffic engineering software such as HCS, CORSIM, SYNCHRO, Tru-Traffic (TS/PP-Draft), and SIDRA. His training includes the Naztec TS1/TS2 Controller course, NEPA and Transportation Decision Making (2004), Highway Safety Manual Workshop (2011), and LADOTD's TEPR training.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Dishili Curry, PE, PTOE		Years of experience with this firm/employer	9
	Title	Senior 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		✓ Experience with LA 384 project included in this RFP
	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, Road and Drainage Design, Public Outreach 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 five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. Dishili serves as the project manager. Crosswalks included. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Project Manager and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Project Manager and Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Project Manager and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000’east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; Project Manager. 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Project Manager. Project will convert the existing intersection to a single lane roundabout intersection.				
5/19 - 5/24	SPN. H.011242, LA 384 (Big Lake Road to McNeese Street): Project Manager for two Stage 0s completed for the project included in this RFP. Assisted with concept development, public outreach, Stage 0 Report and checklists. Included NEPA-compliant public meetings.				
04/23 – Present	Lagneaux Turn Lane Improvements, Lafayette, LA: Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.				
04/23 – Present	Jimmie Davis Design-Build: This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. Project includes J-turns and U-turns. She assisted with design-related tasks. Managed roadway drainage design and 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.				

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.
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. Includes multilane roundabouts. Project includes J-turns and U-turns. NEPA-compliant public meetings.
12/22 – Present	LA 89 at Guillot Rd Improvements: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Preliminary and Final Road Design.
04/18 – Present	I-49 South at Verot School Road: Managing the design services for the interstate design and service road design (drainage, preliminary and final road design and TMP). This project will construct 2.4 miles of mainline freeway, bridges and an interchange at the intersection of I-49 South/US 90 and Verot School Road. This project includes the design of a major bridge crossing at Verot Rd. and I-49 and a roundabout at the relocated intersection of Verot Rd and South College Rd. As a subconsultant, NSI is designing the interstate mainline and frontage roadways, as well as, designing the drainage along these corridors. NS is also completing the traffic design and level 3 TMP. Includes a multilane roundabout.
08/17 – 03/19	Juban Road Widening, Livingston Parish, LA: Served as the engineer of record and managed the completion of the roadway and drainage design services for this project which will widen LA 1026 (Juban Rd.), construct three multilane roundabouts and two new frontage access roadways, with storm drainage sewer systems. Included NEPA-compliant public meetings.
08/17 – Present	Mandeville Bypass, Mandeville, LA: This project will provide a new 3 Mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Dishili is managing the roadway design services. Includes multiple multilane roundabouts. Included NEPA-compliant public meetings.
02/10 – 12/11	I-10 Widening Design-Build Siegen Ln. (LA Hwy 3246) to Highland Rd. (LA Hwy 74) for LADOTD: Served as Engineer and managed portions of the civil design for this project. This project involved the widening of I-10 from four lanes to six, bridge reconstruction (I-10 over Wards Creek and I-10 over KCS Bridge), and drainage improvements along the corridor. In addition to assisting with the roadway design, Dishili completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor. Included NEPA-compliant public meetings.
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, Dishili assisted with the scour analysis and H&H analysis at the Amite River as well as the drainage design along the interstate corridor. Included NEPA-compliant public meetings.
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. Project includes J-turns and U-turns.
12/19 – 02/21	US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA: Stage 0 Report in support of safety improvements along US 80 corridor near Bellevue Road and Mid-South Loop Road. Project includes signalized intersections. Project includes J-turns and U-turns. Included NEPA-compliant public meetings.
08/17 – Present	Southcity Parkway Extension, Lafayette, LA: 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. NS provided public outreach, environmental, road design and traffic services. Project includes J-turns and U-turns. Included NEPA-compliant public meetings.
Career History	Dishili offers more than 24 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 includes: Transportation Safety Systems (Highway Safety Manual Graduate Course), Auburn University, 2016; ATSSA Traffic Control Supervisor and Technician Training Course, Baton Rouge, 2015; FHWA Highway Safety Manual Workshop, Baton Rouge, 2014; Roadside Safety Design by the Federal Highway Administration and National Highway Institute, LTRC, 2010; Urban Street Design, University of Wisconsin, Madison; Open Channel Design, University of Wisconsin, Madison; Comprehensive Culvert Design, University of Wisconsin; Maintaining Asphalt Pavements, University of Wisconsin; Using HEC-RAS to compute water surface profiles for floodplains, bridge and culvert hydraulics, University of Wisconsin; and LADOTD's Traffic Engineering Process and Report (TEPR) training.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Mai Nguyen, PE			Years of relevant experience with this employer	11
	Title	Roadway Design Engineer			Years of relevant experience with other employer(s)	7
	Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering			✓ Experience with LA 384 project included in this RFP
	Active registration number / state / expiration date		PE No. 38189 / LA / 03-31-2028			
	Year registered	2013	Discipline	Civil		
	Contract role(s) / brief description of responsibilities		Road Design, Public Outreach 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 five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. Mai serves as the road design lead. Crosswalks included. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Road Design Lead. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Road Design Lead. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn about to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Road Design Lead. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000’ east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; Road Design Lead. 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Road Design Lead. Project will convert existing intersection to single lane roundabout intersection.					
5/19 - 5/24	SPN. H.011242, LA 384 (Big Lake Road to McNeese Street): Lead Road Designer for two Stage 0s completed for the project included in this RFP. Developed the concepts, cost estimates, assisted with checklists, and public outreach. Included NEPA-compliant public meetings.					
01/20 – Present	I-20: LA 544 Overpass Replacement, Lincoln Parish, LA: Lead for road design preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond multilane roundabout interchange on a 3% longitudinal grade. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.					
06/23 – Present	US 90: Roundabout at LA 101: Roundabout intersection preliminary and final plans, drainage, sequence of construction and TMP.					
9/22 – Present	E. Milton Ave Improvements, Lafayette Parish, LA: This project will widen an existing roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. This project includes curb and gutter with sidewalks. Mai is designing this project and assisting with plan production. Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. Ms. Nguyen is working on the roadway design for the City of Youngsville. Project includes preliminary and final plans. Project includes J-turns and U-turns.					
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.					

08/22 – Present	LA 89 at Chemin Metairie Parkway, Youngsville, LA: This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Mai is working on the roadway design for the City of Youngsville. Project includes preliminary and final plans. Project includes J-turns and U-turns.
01/11 – 01/14	LA 447 Corridor Study, Walker, LA (LA 16 to US 190): Corridor study to evaluate corridor improvements along LA 447 between LA 16 and Burgess Ave. Project included the interchange at I-12. Includes multilane roundabouts. Project includes J-turns and U-turns. Included NEPA-compliant public meetings.
09/14 – 08/15	LA 16: Roundabout at LA 447, Livingston, LA: Responsible for developing roundabout preliminary roadway plans in accordance with LADOTD design guidelines, creating horizontal and vertical alignment layouts, modeling roadway to determine required right-of-way limits, developing sequence of construction, and performing hydraulic analysis.
04/18 – Present	I-49 South at Verot School Road: This project will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/ US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South College Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabout.
11/15 – 07/20	Southcity Parkway Extension, Lafayette, LA: This project will construct a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and new bridge design. The roadway and drainage design are being completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design (preliminary and final plans) and traffic services. Project includes J-turns and U-turns. Included NEPA-compliant public meetings.
02/17 – 06/17	LA 6 (I-49 Interchange to LA 3278) Corridor Study in Natchitoches, LA: LA 6 Corridor Study Includes analysis of proposed roundabout interchange (3 roundabouts) geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
07/15 – Present	US 90 Pearl River Bridges Environmental Assessment, St. Tammany Parish, LA and Hancock County, MS: Project includes the replacement of five bridges. This project also includes roundabout intersections. Project Engineer for over 75 line and grade alternatives. Developed horizontal and vertical alignments, considering required drainage and ROW requirements, were developed and analyzed for potential environmental impacts and costs. Includes a roundabout intersection. Project includes J-turns and U-turns.
05/12 – 10/14	LA 44 Intersection Improvement at LA 934, Ascension Parish, LA: Responsible for developing roadway plans in accordance with LADOTD design guidelines, performing subsurface drainage calculations, creating horizontal and vertical alignment layouts, modeling roadway to determined required right-of-way limits, and calculating quantities and cost estimates for bidding.
08/17 – 07/18	I-10 New Orleans Master Plan: Provided engineering support in development of horizontal and vertical alignments of roadways, and geometric layouts of traditional interchanges, with multiple bridges, alternative intersections, ramps, roundabouts, and HOV lanes to provide access to the Port of New Orleans. Project includes J-turns. Included NEPA-compliant public meetings.
09/15 – 10/17	LA 22 (Dalwill to Rodger Storm) Corridor Study: Includes analysis of six roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study. Project includes J-turns and U-turns.
12/19 – 02/21	US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA: Stage 0 Report in support of safety improvements along US 80 corridor near Bellevue Road and Mid-South Loop Road. Project includes signalized intersections. Project includes J-turns and U-turns. NEPA-compliant public meetings.
Career History	Mai has over 18 years of experience as a Roadway Design Engineer, including over six years working for LADOTD roadway design. She is proficient with modeling and developing roadway plans in accordance with LADOTD design guidelines. She has completed numerous roadway construction plans, including roadway alignments, cross sections, geometric details, graphical grades, drainage design, construction sequencing, striping, and signing layout, and cost estimates. She also has completed countless interchange geometric designs, roundabouts, and unconventional intersections following AASHTO and LADOTD design guidelines. She is experienced with utility coordination, creating detour plans, and working with Contractors and LADOTD Engineers to ensure the project is constructed according to plans. She has been involved with preliminary and final roadway design plans, feasibility studies, Stage 0 reports, environmental assessment study, roadway concept layouts for traffic studies, develop high level cost estimates for multiple District Safety Investment Plans. She is Certified as a Work Zone Traffic Control Supervisor, Technician and Flagger.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	William Chance Shuckrow, PE			Years of relevant experience with this employer	13
	Title	Project Engineer			Years of relevant experience with other employer(s)	0
	Degree(s) / Years / Specialization			BS / 2014 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 0042746 / LA / 03-31-2027		
	Year registered	2018	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Road Design and Drainage Design MPR 3		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. Crosswalks included. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Plan Production and Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000’east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Project will convert the existing intersection to a single lane roundabout intersection.					
11/19 – 11/24	IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62): The task orders under this project are as follows: 1.) Local Road Signing (Vermilion) (SPN. H.013014); 2.) Independence SRTS – Phase II (SPN. H.010108.1); 3.) LRSP (Iberia Parish and City of N.I.) (SPN. H.013770); 4.) LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1); 5.) W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621); 6.) LRSP Signs, Striping and X-Overs (Gonzales) (SPN. H.013621.1); 7.) Downtown Greenway LA Connector (BR) (SPN. H.013751); 8.) LSU Laboratory School SRTS Project (SPR. H.009290); 9.) Local Road Signing (Ascension) (SPN. H.015011); 10.) FYA Signal Improvements (SPN H.014579); and 11.) LSRP Ardenwood Dr. Road Diet (East Baton Rouge) (SPN H.013622).					
9/22 – Present	E. Milton Ave Improvements, Lafayette Parish, LA: This project will widen an existing roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. This project includes curb and gutter with sidewalks. Reviewed preliminary and final roadway and drainage plans. Project includes J-turns and U-turns.					
04/23 – Present	Jimmie Davis Design-Build: Drainage Design. This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. Project includes J-turns and U-turns.					
12/22 – Present	LA 89 at Guillot Rd Improvements: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Preliminary and final design included.					

04/18 – Present	I-49 South at Verot School Road: Drainage Design. This project will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South College Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NS is also completing the traffic design. Includes roundabout.
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. Reviewed preliminary and final roadway and drainage plans. Project includes J-turns and U-turns.
02/22 – Present	W. Broussard Roundabout at Duhon Rd. (LA 724), Lafayette, LA: This project will construct a roundabout and required drainage improvements. Includes roundabout. Design services. Preliminary plans completed. Final design ongoing.
08/20 – Present	I-10 & I-12 College Drive Flyover Ramp Design-Build, Baton Rouge, LA: Road and Drainage QA/QC. 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.
11/15 – Present	Southcity Parkway Extension, Phase 1, Robley Drive to Kaliste Saloom Road, Lafayette Parish: EA and Final Design. Final Design of 2-mile four lane median divided roadway with 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. Project includes J-turns and U-turns.
11/14 – 04/17	I-20 at LA 544 Overpass Replacement, Lincoln Parish, LA: This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and four roundabouts. Mr. Shuckrow is providing design support. Mr. Shuckrow assisted with the drainage design and provided roadway design support.
08/14 – 05/19	Juban Road (LA1026) Widening (SPN H.004634.5), Livingston Parish, LA: Final design for reconstruction of Juban Rd as a four-lane median divided roadway with multilane roundabout 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, Calcasieu Parish, LA: This project focuses on safety improvements along the LA 385 corridor between LA 3186 south of I-10 to Eddy Street north of I-10. Mr. Shuckrow provided engineering design support.
Career History	Mr. Shuckrow has 13 years of experience in the design of roadways, freeways, signalized and roundabout geometry intersections. Based in the firm's Baton Rouge office, Chance has worked in the design of drainage, horizontal and vertical profiles, and corridors. He has also worked in cost estimating of projects and in the preparation of roadway design plans.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Scott Andrepont, PE		Years of relevant experience with this employer	17
	Title		Project Engineer		Years of relevant experience with other employer(s)	4
	Degree(s) / Years / Specialization			BS / 2005 / Civil Engineering; MS / 2007 / Civil Engineering		✓ Experience with LA 384 project included in this RFP
	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			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 five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. Crosswalks included. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Plan Production and Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000’east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Project will convert existing intersection to single lane roundabout intersection.				
05/19 - 05/24		SPN. H.011242, LA 384 (Big Lake Road to McNeese Street): Two Stage 0s completed for the project included in this RFP. Project included concepts, cost estimates, checklists, and public outreach. Included NEPA-compliant public meetings.				
04/23 – Present		Lagneaux Turn Lane Improvements: Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.				
04/23 – Present		Rue Du Belier Roundabout: Project will convert existing single roundabout to double lane roundabout with drainage improvements and lighting. Assisted with design.				
04/23 – Present		S. Domingue Roundabout: Project will provide roundabout and drainage improvements. Assisted with design.				
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. Project includes J-turns and U-turns. Included NEPA-compliant public meetings.				

08/17 – 03/20	LA 73 Turn Lanes: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines. Project includes construction support.
09/22 – Present	E. Milton Ave Improvements, Lafayette Parish, LA: This project will widen an existing roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. This project includes curb and gutter with sidewalks, as well as preliminary and finals plans.
02/22 – Present	W. Broussard Roundabout at Duhon Rd. (LA 724), Lafayette, LA: 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 at Guillot Rd Improvements: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.
08/22 – Present	LA 89 at Chemin Metairie Parkway, Youngsville, LA: This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Project includes preliminary and finals plans. Project includes J-turns and U-turns.
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. Project includes J-turns and U-turns. Included NEPA-compliant public meetings.
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. Project includes J-turns and U-turns. Included NEPA-compliant public meetings.
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 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.
04/20 – Present	US 90 and FM 481 Improvement, Kinney County, TX: QA/QC of Striping, Signing, and High Friction Surface course plans.
07/13 – 09/13	LA 1088 Traffic Corridor Study for LADOTD in St. Tammany Parish, LA: Assisted in the geometric layout for 3 Alternatives for the improvements of LA 1088. Each alternative included roundabouts at determined intersection with J-turns as well as complete streets with combinations of bike paths/multiuse paths / sidewalks along the corridor. Design Assistance. Includes roundabouts.
Career History	Mr. Andrepont is a design engineer and has been assigned to a variety of projects which include safety projects, roadway design, drainage design, foundation design and other civil engineering projects. His duties include design and analysis, preparation of construction plans, and specifications. He also has experience providing engineering design support during construction. He is also an ATSSA – Work Zone TCS/TCT/Flagger.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Steven Hazen, PE		Years of experience with this firm/employer	16
	Title		Senior Engineer		Years of experience with other firm(s)/employer(s)	34
	Degree(s) / Years / Specialization			BS / 1974 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 18087 / LA / 03-31-2027		
	Year registered	1979	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Structural Design MPR 4		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. Crosswalks included. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5; Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000’east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; project will convert existing intersection to single lane roundabout intersection.					
02/22 – Present	W. Broussard Roundabout at Duhon Rd. (LA 724): This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (structural design).					
09/18 – 12/18	I-220 / I-20 Interchange Improvement & BAFB Design-Build Proposal, Bossier Parish, LA: Project Engineer. Design of preliminary roadway drainage and H&H analysis for Musselshell Bayou and its tributaries and HEC-RAS analysis of Red Chute Bayou to check for effect of road embankment on flood stages. Project included both bridges and box culverts. Preliminary design was in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.					
02/10 – 10/11	Off System Highway Bridge Program; Sparks Davis Rd Bridge over Tributary to Buchanan Bayou, Caddo Parish, LA: Project Engineer. Work included HEC-RAS analysis of existing bridge opening and bridge replacement alternative plans. Existing bridge was a three-span concrete bridge, and the recommended alternative was four reinforced box culverts. Inspection and design were in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.					



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



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Randy Boudreaux, PE			Years of relevant experience with this employer	37
	Title	Senior Structural Engineer			Years of relevant experience with other employer(s)	2
	Degree(s) / Years / Specialization			MS / 1987 / Civil Engineering, BS / 1985 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 0032362 / LA / 09-30-2026		
	Year registered	2006	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Structural Design MPR 4		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
08/11 – present	Fracture Critical/Complex Bridge Inspections and Load Rating, Office of State Aid Road Construction, Statewide, MS: Load Rating Engineer. Bridge inspection and load rating services were provided for the MDOT Office of State Air Road Construction. From 2011 through 2020 our firm performed more than 400 inspections and load ratings for bridges across the state. Load ratings were performed using both LRFD and LFR utilizing various software including BrR, TRAPP, and BRASS.					
08/20 – 07/21	Timber Bridge Load Rating and Inspections, Office of State Aid Road Construction, Statewide, MS: Load rating engineer. Neel-Schaffer inspected and performed load-rating services on 175 timber element bridges located in 11 counties across the state. The bridges that were inspected for this contract were built between 1940 and 2013 and are of various lengths.					
07/09 – 06/12	MS 463 over CNRR & Hoy Road, Madison, MS: Structural Engineer leading all design and plan production. Performed LRFD structural design, detailing and quality control for a grade separation bridge. The bridge consists of two continuous curved steel girder units with spans of 170'-200'-170' and 170'-200'-200'-170'. Each bent location is skewed 35 degrees and consists of two adjacent “hammer-head” type piers with parabolic varying depth caps which give the appearance of a two-column arched bent.					
11/18 – Present	CTA Tram and Pedestrian Bridge, Gulfport, MS: Lead structural engineer for all design and plan production. Neel-Schaffer is serving as a subconsultant to Eley Guild Hardy Architects for the new Coast Transit Authority (CTA) Bridge over US 90 that will connect the City’s transit center, the Mississippi Aquarium, and Jones Park with a vehicular tram, pedestrian walkway, and bicycle path. In addition to the design, layout, and plan development for the 439-foot-long steel box girder and prestressed concrete beam span bridge, the project includes retaining walls, concrete slab span pedestrian ramps and lighting. The steel box girder spans are significantly curved with a radius of 172 feet and have both radial and skewed supports and were modeled with 3D finite elements utilizing Midas Civil engineering software. The bridge, pedestrian ramps and retaining walls are supported by auger cast-in-place piles and drilled shafts. This project was designed using LRFD specifications.					
04/97 – 01/99	US 82 Mississippi River Bridge and Approaches: Structural Engineer. A joint effort between the Mississippi and Arkansas Departments of Transportation, this is 2.8-mile, four-lane bridge was estimated to cost approximately \$275 million. Performed structural design, detailing and quantity takeoffs for two continuous haunched steel plate girder bridge spans units. One unit had spans of 76.6m-100m-76.5 and the second unit had spans of 84.5m-110-85.5m.					
01/98 – 10/99	US 90 across East Pascagoula River, Jackson County, MS: Structural Engineer. Performed structural design, detailing and quantity takeoffs. The 3,500-foot bridge has prestressed concrete bulb-tee spans with 80' x 150' navigation channel and deep piers designed for vessel collision. Scour analysis included effects of both stream flow and tidal action and design of mitigation features.					
08/05 – 12/05 03/09 – 05/09	Popp’s Ferry Road Bridge Repairs, Biloxi, MS: Structural Engineer performed on-site damage assessment, structural design, detailing and quantity takeoffs. A direct barge impact to a pile bent collapsed two spans of this 3,900-foot-long prestressed concrete and bascule bridge. Contract plans and specifications for debris removal, replacement of the pile bent and spans were prepared for advertisement within three weeks of initial damage assessment.					



02/95 – 08/96	Norfolk Southern Railroad - Jackson, AL (DACW01-92-0041 USACE): Lead Structural Engineer. Performed structural design and detailing for a pier protection fender system for vessel impact.
06/09 - 01/10	Taylor Creek Road Bridge over Tootoosahatchee Creek, Orange County, FL: Lead Structural Engineer. Performed LRFD structural design, detailing and quantity takeoffs. The bridge consists of three pre-stressed concrete girder units with spans of 50.5' - 50'-50.5' made continuous for live load and a gutter to gutter width of 40'. The substructure consists of vertical wall end bents on a pile supported footings and standard intermediate pile bents. The approach roadway is supported by 640.5' of concrete retaining walls along each side. (AASHTO LRFD)
12/08 - 06/09	I-20 over US 51 Bridge Replacement, Jackson, MS: Lead Structural Engineer. Performed LRFD structural design, detailing and quantity takeoffs. The bridge consists of one continuous curved steel girder unit with spans of 134'-141'-145'-121'-121'. Bridge width (gutter to gutter) is a constant 72' and is in super elevation transition along the last two spans. The two center-most bents were designed as post-tensioned concrete "two-column" straddle bents (in-line with the steel girders) to minimize the depth of the substructure over the underlying US Hwy 51. The remaining bents were designed as traditional 4-column bents. All bents were supported on steel pile supported footings. (AASHTO LRFD)
06/04 - 07/07	Camp Horner Road over Cahaba River, Jefferson/Shelby Counties, AL: Performed structural design, detailing and quantity takeoffs. The bridge consists of 110' and 130' simple pre-stressed concrete bulb tee girder spans and a gutter to gutter width of 54'. The substructure consists of rock bearing drilled shaft supported end and intermediate bents. Lead Structural Engineer.
08/10 - 01/14	Marina Access Bridge, Bay St. Louis, MS: Lead Structural Engineer. Performed LRFD structural design, detailing and quantity takeoffs. The bridge consists of simple prestressed concrete girder spans with a 70' main span over the seawall and five 30' spans with a 90' radius horizontal curve. The approach roadway embankment has mechanically stabilized earth walls (MSEW) along each edge to minimize the footprint and maximize the available parking spaces. The bridge was designed for hurricane wind loading and submergence during storm surge.
Career History	Mr. Boudreaux joined Neel-Schaffer in 1989 and serves as a Structural Engineer based in the firm's Jackson (MS) office. Randy has nearly 40 years of structural design experience, including the design and/or rehabilitation of bridges, buildings, water and wastewater treatment facilities, flood control structures, and temporary retaining structures. Mr. Boudreaux has also provided expert witness services. Randy's responsibilities include producing and checking design calculations, preparing contract plans and specifications, preparing preliminary cost estimates, reviewing shop drawing submittals, and reviewing surveys, soil borings, engineering studies, or other information required for planning and design of projects.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name		Ellen Burke Howard, PE, PTOE, RSP ₁	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 / 03-31-2028; PTOE 3735, 08/01/29; RSP 349		
	Year registered	2013	Discipline	Civil Engineering	
	Contract role(s) / brief description of responsibilities		Project Manager for Traffic Studies, Signal Design, MPR 5		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. Crosswalks included. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Traffic Project Manager. 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 while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Traffic Project Manager. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Traffic Project Manager. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000’east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Project will convert existing intersection to single lane roundabout intersection.				
02/20 – Present	I-20 at LA 544 Overpass Replacement, Lincoln Parish, LA: Traffic Project Manager. 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, offering 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. Preliminary and final plans. Project includes traffic signals. Crosswalks included.				
07/21 – Present	FYA Signal Improvement (LCG), Lafayette, LA: Project Manager. Oversaw development of signal plans to upgrade 28 intersections to include flashing yellow arrow signal heads as well as backplates. Project includes traffic signals. FYA includes crosswalks.				
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. Project includes J-turns and U-turns.				
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. Project includes traffic signals.				

05/19 - 05/24	SPN. H.011242, LA 384 (Big Lake Road to McNeese Street): Lead Road Designer for two Stage 0s completed for the project included in this RFP. Developed the concepts, cost estimates, assisted with checklists, and public outreach. Included NEPA-compliant public meetings.
12/19 – 03/20	US 80: Intersection at Bellevue Rd (S.P. No. 4400010504, T.O. No. H.014044.1): Traffic Engineer responsible for Initial and final data Collection, existing safety analysis, and Chapter 1 of Final Report and signalized intersection analysis. Project includes J-turns and U-turns.
09/20 – Present	College Drive Enhancement Project, Baton Rouge, LA: Project Manager. Traffic study along College Drive between Perkins Road and Bawell Street/ Bankers Avenue including the I-10 Ramps is an effort to improve capacity and safety. Oversaw data collection including peak period observations and travel time runs. Provided oversight for safety analysis along the College Drive corridor. Project includes traffic signals.
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. Project includes J-turns and U-turns. Project includes traffic signals.
08/22 – Present	LRSP Ardenwood Dr Road Diet, Baton Rouge, LA: Project Manager. Oversight for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (HCS, Sidra), Safety Analyses, Traffic Report Preparation. Project includes traffic signals. Crosswalks included.
09/21 – Present	Harding Blvd at I-110, Baton Rouge, LA: Project Manager. Traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I-110 Ramps in an effort to improve capacity. Provided oversight for data collection and Initial Data Collection Report. Project includes traffic signals.
02/16 – 10/17	LA 6 Feasibility Study, Natchitoches, LA: Project Manager. Oversight for intersection analysis including Synchro and Sidra analysis. Safety analysis included reviewing crashes, creating collision diagrams, and using the HSM Predictive method to analyze safety of potential alternatives. Project includes traffic signals.
03/20 – 06/20	Braud Rd at Germany Rd Temp. Signal Design, Gonzales, LA: Project Manager provided oversight for 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). Project includes traffic signals.
03/19 – 11/19	District 08 Signal Timing Study, Natchitoches, LA: Project Manager. Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs. Project includes traffic signals.
03/19 – 11/19	US 61 Signal Timing Study, Baton Rouge, LA: Project Manager. Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs. Project includes traffic signals.
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. Intersection Operational Analyses (HCS), safety analysis, alternative development, and traffic report preparation. Project includes J-turns and U-turns. Project includes traffic signals.
Career History	Mrs. Howard joined Neel-Schaffer, Inc. in January 2014. Before joining Neel-Schaffer, Mrs. Howard worked as a Traffic Engineer for LADOTD District 62. She also worked as a Traffic Engineer Intern for DOTD's Traffic Engineering Management Section in Headquarters. She worked on a variety of projects involving Traffic Engineering Studies, Signal Timing and Coordination, Corridor Studies, traffic modeling using VISSIM and Transportation Management Studies. During her employment at LADOTD, she also reviewed numerous Corridor Studies, Intersection Studies, Safety Studies, Traffic Impact Studies, and Temporary Traffic Control Plans. She is proficient in Traffic Engineering software such as HCS, Synchro, SIDRA, SimTraffic, VISSIM as well as LADOTD's CAT Scan safety tool. She also attended Highway Safety Manual (HSM) workshop, Highway Capacity Analysis Seminar, Roundabout Design Workshop, Traffic Signal Workshop, Synchro Training, Vissim Training, Access Management Location and Design Course, Alternative Intersections / Interchanges Workshop, and Crash Reconstruction for Traffic Engineers Course. With Neel-Schaffer, Mrs. Howard has served as a project engineer for the noted traffic related LADOTD projects. Mrs. Howard is a certified Professional Traffic Operations Engineer (PTOE), a certified Road Safety Professional Level 1, and has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Jonathan Duhe, PE, PTOE, RSP ₁		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			✓ Experience with LA 384 project included in this RFP
	Active registration number / state / expiration date		PE No. 41047 / LA / 03-31-27; PTOE No. 4418, 03/18/27; RSP No. 282			
	Year registered	2016	Discipline	Civil Engineering		
	Contract role(s) / brief description of responsibilities		Traffic Studies and Signal Design, MPR 5			
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/23 - Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Traffic Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns . It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Traffic Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Traffic Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000' east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Project will convert existing intersection to single lane roundabout intersection.					
02/22 – Present	W. Broussard Roundabout at Duhon Rd. (LA 724), Lafayette, LA: 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. Project includes traffic signals.					
05/19 - 05/24	SPN. H.011242, LA 384 (Big Lake Road to McNeese Street): Lead Road Designer for two Stage 0s completed for the project included in this RFP. Developed the concepts, cost estimates, assisted with checklists, and public outreach. Included NEPA-compliant public meetings.					
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. Project includes traffic signals.					

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. Project includes traffic signals.
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. Project includes traffic signals.
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. Project includes traffic signals.
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. Project includes traffic signals.
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. Project includes J-turns and U-turns. Project includes traffic signals.
02/16 – 10/17	LA 6 Feasibility Study, Natchitoches, LA: Traffic Engineer. Assisted with intersection analysis including Synchro 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. Project includes traffic signals.
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). Project includes traffic signals.
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. Project includes traffic signals.
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. Project includes traffic signals.
12/19 – 02/21	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. Project includes J-turns and U-turns. Project includes traffic signals.
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 (TS/PP-Draft), 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 / 9-30-27; 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 analysis and prepared the report of findings. Project Manager.					
10/21 – 05/22	Hurricane Ida Emergency Lighting and Signage Project, New Orleans, LA: NSI performed day inspections of all signs and day and night inspections of all streetlights within Zone 3. Charles coordinated and oversaw all operations of the project as well as participated in inspections along the interstate system.					



08/21 – 12/21	LA 840-6 at Oliver Road, Monroe, LA: NSI performed a traffic study for the intersection to determine whether left turn lane phasing would be appropriate for the Oliver Road approaches. Charles oversaw the analyses for the project. Project Manager.
10/21 – 12/21	Wemple Road at Old Brownlee Road Intersection Safety Study, Bossier City, LA: NSI performed a Safety Study to evaluate the existing conditions of the intersection and to determine whether modifications would be beneficial. Mr. Adams performed all analyses for the study and oversaw the data collection for the project. Project Manager.
05/21 – 08/21	Tulane Avenue Chick-fil-A, New Orleans, LA: NSI performed a Traffic Assessment and circulation assessment for a new Chick-fil-A restaurant in the City of New Orleans. Charles performed analyses, observations and oversaw the circulation assessment. Project Manager.
04/21 – 08/21	Signal Design for Airline Drive and Barclay Blvd, Bossier, LA: NSI developed traffic signal plans for the new intersection of Airline Drive and Barclay Blvd. Charles was the designer and developed signal phasing and timings for the project. Project Manager.
02/21 – 05/21	LA Tech Student Housing Study, Ruston, LA: NSI performed a traffic study for new student housing complex that would serve LA Tech University. Charles performed all intersection analyses for the project. Project Manager
09/20 – 06/21	Venture Global LNG Traffic Study, Plaquemines, LA: NSI performed numerous traffic assessments for a new LNG facility along LA 23 in south Plaquemines Parish. Mr. Adams performed intersection analyses, prepared TTC plans, and reviewed construction sequencing to reduce the impact on the traveling public.
09/20 – Present	W Esplanade Ave at Carrollton Street, Metairie, LA: NSI is preparing preliminary and final signal design plans for the intersection of W Esplanade Ave and Carrollton Street. Mr. Adams is preparing the signal plans. Project Manager.
08/20 – 10/20	St Vincent Avenue at 84th Street, Shreveport, LA: NSI prepared preliminary and final traffic signal plans for the intersection. Mr. Adams prepared preliminary and final signal plans. Project Manager.
11/19 – 07/20	Golden Pass LNG Safety Study, Port Arthur, TX: NSI performed traffic safety assessments along FM 87 for the entrances to the LNG facility as well as developing signing plans and lighting plans for each entrance. Project Manager.
03/19 – 07/19	Remco Drive Extension, Haughton, LA: NSI performed a traffic study to determine feasibility for extending Remco Drive from US 80 to Bodcau Station Road. Mr. Adams performed observations and analyses. Project Manager.
01/19 – 03/20	LA 3 at Walter O Bigby Carriageway, Bossier City, LA: NSI performed Signal and Sign Design. Charles developed signal timings and signal phasing as well as prepared the traffic signal plans for the intersections of LA 3 at Walter O Bigby Carriageway and US 80 at Hamilton Road. Project Manager.
06/18 – 08/18	Linton Road Extension, Bossier Parish, LA: NSI performed traffic study to determine feasibility of extending Linton Road to Fairburn Road. Mr. Adams performed analyses. Project Manager.
06/17 – 03/18	Port Access Improvements, New Orleans, LA: NSI performed extensive analyses and developed alternative accesses from I-10 to the Port of New Orleans. Charles performed observations and analyses.
01/17 – 07/17	TCP for Transmission Line Installations, Terrebonne & Assumption Parishes, LA: NSI prepared TTC plans for numerous installation sites throughout both parishes. Charles developed and prepared all TTC plans. Project Manager.
12/19 – 02/21	US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA: Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR. Project includes signalized intersections. Charles performed traffic engineering and public outreach.
Career History	Over the past 30 years, Charles has consistently managed and designed projects for the City of Bossier City as well as for the Bossier Parish Police Jury. During 2008 – 2015 he served as NSI's Shreveport Office manager and continues to maintain the relationships gained from that experience. He has established relationships in the local community and knowledge of the project area. His experience in the area includes Traffic Data Collection, Traffic Signal Timing, Traffic Signal design, Traffic Operations, Traffic Safety, ITS and Transportation Engineering. He manages a wide range of local and regional projects that vary in complexity from developing traffic control plans for major construction projects and traffic signal timing plans to performing roundabout feasibility studies and other traffic related studies for both public and private clients. Prior to joining NSI, Charles was employed by LADOTD as a District Traffic Engineer in the Bossier District and then as the State Traffic Engineer. Mr. Adams is a certified Professional Traffic Operations Engineer and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Glen Reed, PE		Years of relevant experience with this employer	35
	Title		Senior Electrical Engineer		Years of relevant experience with other employer(s)	15
	Degree(s) / Years / Specialization			BS / 1976 / Electrical Engineering		
	Active registration number / state / expiration date			PE No. 28369 / LA / 03-31-2028		
	Year registered	1999	Discipline	Electrical		
	Contract role(s) / brief description of responsibilities			Roadway Lighting		
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), Lafayette, LA: Design Engineer. Provided photometric lighting design and analysis for the approach and departure segments of the W. Broussard Road at Duhon Road Roundabout in Lafayette Parish. Developed low mast roadway lighting and associated electrical infrastructure design, including in-ground conduit and electrical connections, in accordance with Lafayette Utilities System (LUS) standards and applicable roadway lighting practices.				
08/17 – 04/18		Mississippi Department of Transportation I-59 at SR 42 Lighting, Hattiesburg, MS: Senior Electrical Engineer. Interchange lighting for I-59 at SR- 42 consisted of using LED high mast and low mast lights. Mr. Reed designed all illumination facilities ensuring compliance with NEC, AASHTO, and IESNA, as well as MDOT standards.				
01/19 – 03/20		SR 601 / 30th Ave Relocation, Gulfport, MS: Electrical Design for Power to ITS/Traffic Signals and Roadway Lighting for MDOT – Neel-Schaffer developed Phase B Roadway Final Plans for the construction of SR 601 and relocation of 30th Avenue for the southern portion of the project in Harrison County. Roadway lighting, traffic and ITS elements included installing two brand new intersections, and the removal of three existing intersections. ITS technology including CCTV cameras, radar vehicle detection, bluetooth vehicle detection, dynamic message boards and fiber optic communication to provide information and travel time to motorists.				
8/17 – 04/18		MDOT I-59/SR42 Hattiesburg/Petal MS: Electrical Design of power to ITS Equipment and Roadway Lighting. Neel-Schaffer was selected by the Mississippi Department of Transportation in 2016 to provide final contract plans for lighting, signing, ITS elements, and signal modifications for a proposed \$24 million I-59/SR 42 Interchange improvements project near Laurel, MS. This project also includes improvements along SR 42 from I-59 to Old Richton Road. The limits of the lighting design extended along the entire segment of I-59 within the project limits and within the no access limits along SR 42. LED fixtures and galvanized poles with a combination of high and low mast fixtures were specified. ITS elements included CCTV cameras, radar vehicle detection, dynamic message boards and fiber optic communication to provide information and travel time to motorists. Traffic signal plans included improving three traffic signals along SR 42 and interconnecting them with fiber. This fiber will be connected into a larger network by MDOT in the future.				
10/17 – 07/18		MDOT US 82 Interchange Improvements – Columbus, MS: Electrical Design of Power to ITS Equipment and Roadway Lighting. Neel-Schaffer prepared plans for a wide variety of improvements at the intersections of US 82 and 18th Avenue and US 82 and Military Road in Columbus, MS. The improvements include traffic lighting, signing and traffic signal design/ITS elements, and signal timings for the busy intersections. The lighting plan extended from roundabout to roundabout along Military Road, using LED fixtures on low mast light poles. The ITS elements included interconnection of signals between US 45 and the US 82 westbound ramp terminals provided by short range broad band radio IC and fiber optic cable. CCTV cameras were installed. A complex phasing plan was initiated to operate both the 18th Avenue/5th Street and the 18th Avenue/82 westbound ramp intersections from a single controller.				



01/15 – 09/17	MDOT SR 12 Starkville, MS: Electrical Design of Power to ITS Equipment, including CCTV cameras, radar detection devices and dynamic message boards. A safety project resulted in construction of a raised median to replace the TWLTL, signal replacements (14 intersections), ITS components, and ADA compliance. All signals were interconnected due to their close spacing. This will also allow the changing of signal timings to accommodate game day traffic for Mississippi State University events.
02/07 – 05/12	MDOT I-269 Project Southaven, MS – Electrical Design of Power to ITS Equipment, including CCTV cameras, radar detection devices and dynamic message boards. Neel-Schaffer designed approximately seven miles of new interstate from MS 305 to just east of US 78.
04/15 – 12/15	Mississippi Department of Transportation I-20 at SR-15 Lighting, Newton, MS: Senior Electrical Engineer. Interchange lighting for I-55 at SR-115 consisted of using LED high mast and low mast lights. Mr. Reed designed all illumination facilities ensuring compliance with NEC, AASHTO, and IESNA, as well as MDOT standards
11/13 – 06/14	I-10 Interchange at Gautier-Vancleave Rd. Lighting: Senior Electrical Engineer. The work included 7,000 feet of underground branch circuit, one secondary power controller, eight high mast poles with 1000 HPS, and 11 low mast poles with high pressure sodium. All illumination facilities were designed ensuring compliance with NEC, AASHTO, and IESNA, as well as MDOT standards Mr. Reed designed all illumination facilities, ensuring compliance with NEC, AASHTO, and IESNA, as well as MDOT standards.
02/12 – 12/12	Lighting on MS 49, Belzoni, MS: Senior Electrical Engineer. The project consisted of 2.5 miles of roadway lighting on MS 49 in Belzoni. This included 62 400-watt high-pressure sodium 35-foot poles, and two secondary power controllers. All illumination facilities were designed ensuring compliance with NEC, AASHTO, and IESNA, as well as MDOT standards. Mr. Reed designed all illumination facilities ensuring compliance with NEC, AASHTO, and IESNA, as well as MDOT standards.
03/10 – 12/10	I-110 Loop Bridge Lighting, Biloxi, MS: Senior Electrical Engineer. Neel-Schaffer provided design services that helped light up the I-110 loop bridge over US 90 on the Mississippi Gulf Coast in Biloxi. A total of 201 light fixtures, spaced approximately 10 feet apart, now illuminate an outline of the bridge that carries drivers to Harrison County beach. The \$535,000 project, financed by Harrison County and through a Transportation Enhancement Grant from the Mississippi Department of Transportation, has changed the view of US 90 and the I-110 loop for drivers and pedestrians.
06/10 – 03/13	MDOT Bridge ITS Project, AR, LA, MS – Electrical Design of Power to ITS Equipment. To address the needs of an interactive system, Neel-Schaffer was selected the Mississippi Department of Transportation to design an active bridge monitoring system at the four Mississippi River crossings in Mississippi. The locations included: • US 49 bridge in Lula, MS / Helena, AR • US 82 bridge in Greenville, MS / Lake Village, AR • I-20 bridge in Vicksburg, MS / Tallulah, LA • US 84 bridge in Natchez, MS / Ferriday, LA At each location, ITS technologies were implemented, including CCTV cameras, vehicle detection devices, dynamic message signs, highway advisory radio, and broadband and fiber optic communications. These devices were located at each of these bridges and in advance of the detour or diversion routes to provide alternate route information to travelers. In addition to these features, Real Time River Current (RTRC) sensors were installed at each bridge location to measure both the river current velocity as well as direction to alert watercraft, ports and maritime officials of current conditions prior to reaching the bridge. This type of critical information is planned to reduce the potential for barge crashes that have occurred in the past at the river bridges.
Career History	Mr. Reed joined Neel-Schaffer in 1991 and has over 45 years of experience in high voltage electrical systems and control. He is involved with the design and construction engineering for power distribution, lighting, instrumentation and control systems for a variety of projects, including the supply of electrical power to industrial sites, various water and wastewater projects, roadway lighting, and airfield lighting.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE



Firm employed by Neel-Schaffer, Inc.

Name	Joshua Schexnider, PE			Years of relevant experience with this employer	10
Title	Project Engineer			Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			BS / 2016 / Civil Engineering; BS / 2000 / General Studies		✓ Experience with LA 384 project included in this RFP
Active registration number / state / expiration date			PE No. 45891 / LA / 03-31-2028		
Year registered	2021	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road Design, Drainage Design, Public Outreach		

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 - Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Plan Production and Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000' east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Project will convert existing intersection to single lane roundabout intersection.
05/19 - 05/24	SPN. H.011242, LA 384 (Big Lake Road to McNeese Street): Project Engineer for two Stage 0s completed for the project included in this RFP. Assisted with checklist, Stage 0 report, and public meetings. Included NEPA-compliant public meetings.
04/23 – Present	Lagneaux Turn Lane Improvements, Lafayette, LA: Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.
04/23 – Present	Rue Du Belier Roundabout: Project will convert existing single roundabout to double lane roundabout with drainage improvements and lighting. Assisted with design.
04/23 – Present	S. Domingue Roundabout: Project will provide roundabout and drainage improvements. Assisted with design.
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. Project includes J-turns and U-turns.

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), Lafayette, LA: 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 at Guillot Rd Improvements: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.
08/22 – Present	LA 89 at Chemin Metairie Parkway, Youngsville, LA: This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Project includes preliminary and finals plans. Project includes J-turns and U-turns.
12/21 – 01/22	LA 1256 intersection improvements (Calcasieu Parish): This 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	Mandeville Bypass, St. Tammany Parish: This project will construct a new 2-mile four lane median divided roadway with multilane roundabout intersections at LA 1088 and US 190. Project includes roundabout. Included NEPA-compliant public meetings.
08/16 – Present	Southcity Parkway Extension, Lafayette, LA: Assisted in preparation of plans. Project includes 3 multilane roundabouts. Project includes J-turns and U-turns. Included NEPA-compliant public meetings.
08/17 – 03/19	Juban Road (LA 1026) Widening, Livingston Parish, LA: Assisted in preparation of plans. This project includes roundabouts. Included NEPA-compliant public meetings.
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, Ascension Parish, LA: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines.
06/16 – 06/16	LA 22 Corridor Study, St. Tammany Parish, LA: Assisted with preparation of plans. Project includes six 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. He has 10 years of engineering experience and 14 years of surveying experience. 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

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Jacob Thiaville, EI			Years of relevant experience with this employer	4
	Title	Engineer Intern			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 / 09-30-2027		
	Year registered	2023	Discipline	N/A		
	Contract role(s) / brief description of responsibilities			Engineer Intern - 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 five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Plan Production and Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000’ east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Project will convert existing intersection to single lane roundabout intersection.					
04/26 - Present	LA 44 at Causey Road/Merritt Evans Road Turn Lanes, Ascension Parish, LA: Assisted with design. Project will add turn lanes to LA 44. Includes signals and drainage design.					
05/22 - 05/24	PN. H.011242, LA 384 (Big Lake Road to McNeese Street): Project involved Stage 0s completed for the project included in this RFP. Assisted with checklist, Stage 0 report, and public meetings. Included NEPA-compliant public meetings.					
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. Tools: InRoads ss2 alignment tracking, Excel, MicroStation, MUTCD					
04/23 – Present	Lagneaux Turn Lane Improvements, Lafayette, LA: Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.					

06/22 - 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. Project includes J-turns and U-turns.
04/23 – Present	Rue Du Belier Roundabout: Project will convert existing single roundabout to double lane roundabout with drainage improvements and lighting. Assisted with design.
04/23 – Present	S. Domingue Roundabout: Project will provide roundabout and drainage improvements. Assisted with design.
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 required ROW, line and grade design, plan production. Assisted 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 signs for urban and rural areas. Tools: InRoads alignment tracking, Excel, MicroStation, MUTCD, Google Earth, LA Tax Assessor
05/22 – 05/23	Downtown Connector-Baton Rouge Sidewalk, Greenway, Baton Rouge, LA: Quantities and Basic Drafting. Completed summary sheets. Tools: InRoads alignment tracking, Excel, Google Earth
05/22 – Present	LSU Lab School SRTS Sidewalk Project, Baton Rouge, LA: Plan production and quantities. Completed all quantities and summary sheets. Tools: InRoads alignment tracking
10/22 – Present	E Milton Ave Roundabout at 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 at Duhon Rd (LA 724), 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 at 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. Project includes J-turns and U-turns.
Career History	Jacob work as an Engineer Intern in our Transportation Department. He was an intern in the Baton Rouge office from May to December 2022. After graduating from Louisiana State University with a Bachelor of Science in Civil Engineering, Jacob joined the firm on a full-time basis. Jacob works in our New Orleans office.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Stephen Perault		Years of relevant experience with this employer	7
	Title		Senior Technician		Years of relevant experience with other employer(s)	33
	Degree(s) / Years / Specialization			n/a		✓ Experience with LA 384 project included in this RFP
	Active registration number / state / expiration date			n/a		
	Year registered	n/a	Discipline	n/a		
	Contract role(s) / brief description of responsibilities			Senior CAD Designer		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
03/23 – Present	IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. Stephen serves as the lead designer. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000’ east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Project will convert existing intersection to single lane roundabout intersection.					
08/15 – Present	H.011242.1: Stage 0 Feasibility Study and Environmental Inventory for LA 384 (Big Lake Road to McNeese Street), Calcasieu Parish: Assisted with layouts and cost estimates.					
01/19 – 12/19	LA 73 (Old Jefferson Highway) Turn Lanes, Ascension Parish, LA: This project constructed turn lanes at multiple locations along LA 73 in Ascension Parish. Mr. Perault assisted with the design and plan production for this project. The design was completed in accordance with LADOTD guidelines.					
12/22 – Present	LA 89 at Guillot Rd Improvements: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Preliminary and Final Road Design.					
8/17 – 8/20	US 71 (Barksdale Blvd) Streetscape Improvements Phase 1: Designer. Project constructed 1.5 Miles of sidewalk improvements and lighting to LADOTD requirements. Plan and Profiles sheets were provided on aerial imagery with DOTD review and approval.					
08/15 – Present	H.011279.1: Stage 0 Feasibility Study LA 328 (Latiolais Drive to Julie Street): Assisted in concept layouts and cost estimate. This project considers multiple alternatives along a 5.5-mile portion of LA 10 including roundabouts, additional capacity, access management, couplets and more.					

11/19 – Present	IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62): This project will provide low-cost safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design (preliminary and final plans) and construction related engineering. Mr. Perault has assisted with the roadway plan production and design for these projects. The task orders under this project are as follows: Local Road Signing (Vermilion) (SPN. H.013014); Project includes ball-bank study, striping and signing to improve the safety along roadway segments and curves. Independence SRTS – Phase II (SPN. H.010108.1); The project includes approximately 4,100 feet of sidewalks, storm sewer drainage system, handicap curb ramps, and signage along LA 40, N. Oak St. and Pine St. LRSP (Iberia Parish and City of N.I.) (SPN. H.013770); Project includes signage and striping for safety improvements along 30 Miles of roadway. LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1); This project will provide safety improvements which include a road diet, new crosswalks, sidewalks, signage, and new pavement markings. The project limits are along Avenue B (LA 60), Plaza Street and Red Cross Plaza. W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621); This project will provide safety improvements which include 2,000 feet of sidewalks, pavement markings, signage, and storm sewer drainage along W. 11th Avenue between S. Tyler (LA 21) to S. Jefferson Avenue. LRSP Signs, Striping and X-Overs (Gonzales) (SPN. H.013621.1); This project will provide safety improvements (median modifications, pavement markings, signage) along S. Irma Boulevard and S. Purpera Avenue. Downtown Greenway LA Connector (BR) (SPN. H.013751); The project will provide sidewalks and shared lanes on Louisiana Ave. and Eddie Robinson Sr. Dr. The project scope includes adding sidewalks, replacing driveway pavement, installing plastic pavement striping, and ADA-compliant curb ramps. LSU Laboratory School SRTS Project (SPR. H.009290); This project includes shared use paths along Dalrymple Dr., sidewalks along Fraternity Dr., curb extensions, signage, striping and ADA-compliant handicapped ramps. Local Road Signing (Ascension) (SPN. H.015011); Project includes raised median installation, signage, and striping for safety improvements along 32 parish and local roadways in Ascension Parish.
02/20 – Present	I-20: LA 544 Overpass Replacement, Lincoln Parish, LA: Mr. Perault is assisting in the design and plan production for this project. This project begins North of the LA 544 and Woodward Avenue intersection and ends south of LA 544 and Gains Avenue intersection. It will replace the LA 544 Overpass diamond interchange with a double roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts.
08/17 – Present	Mandeville Bypass, Mandeville, LA: This project will provide a new 3 Mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Dishili is managing the roadway design services. Includes multiple multilane roundabouts. Project includes construction support.
08/17 – 03/19	Juban Road Widening, Livingston Parish, LA: Served as the engineer of record and managed the completion of the roadway and drainage design services for this project which widened LA 1026 (Juban Rd.), construct three multilane roundabouts and two new frontage access roadways, with storm drainage sewer systems. Project includes construction support.
06/18 – Present	I-49 South at Verot School Road, Lafayette, LA S.P. H.011235.5: This project will construct 2.4 miles of mainline freeway, an interchange at the intersection of I-49 South/US 90 and Verot School Road, and a roundabout. Neel-Schaffer is serving as the subconsultant for this project and designing the mainline and frontage roadways and associated drainage. Neel-Schaffer is also completing the traffic design and TMP. Mr. Perault is assisting in the design and plan production for this project which includes the BNSF railroad crossing overpass at Verot School Road.
Career History	Mr. Perault has more than 40 years' experience in roadway design which includes the design of interchanges, new urban and rural roadways, widening for existing corridors, intersection improvements, as well as over 25 roundabout projects. He has completed work for State, Parishes and industry. His project experience at LADOTD includes: US 190: Roundabout at Eden Church RD. S.P. H.000466: Project included a 3-legged roundabout at the intersection of US 190 and Eden Church Rd. Responsible for the design and development of preliminary and final roadway plans, and prepared the construction cost estimate. LA 637: Port of S. Louisiana Connector S.P. H.008322: Responsible for the design and development of preliminary and final roadway plans for the widening of LA 637 from 2 to 3 lanes and prepared the construction cost estimate. Existing 3-Lane to Contraband Bayou Bridge S.P. H.003969: Designer of the preliminary and final roadway plans that involved the widening on LA 1138-2 from 2 to 3 lanes and a 3-legged Roundabout at the intersection of Holly Hill Road and LA 1138-2 and assisted with the construction cost estimate. LA 16 Widening, Denham Springs – Watson S.P. 262-02-0023: Designed the roadway for the widening of LA 16 from 2 to 4 lanes. Responsible for the development of preliminary and final roadway plans and prepared construction cost estimate.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Russ Bryan, PLA		Years of relevant experience with this employer	19
	Title	Landscape Architect Manager / Vice President		Years of relevant experience with other employer(s)	5
	Degree(s) / Years / Specialization		BS / 2002 / Landscape Architecture		
	Active registration number / state / expiration date		PLA #699 / LA / 1.31.27		
	Year registered	2007	Discipline	Landscape Architect	
	Contract role(s) / brief description of responsibilities		Landscape Architect		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/24 - Ongoing	Pelican Park Trail Master Plan, Mandeville, LA: Neel-Schaffer is designing this Trails Master Plan, which will propose the addition of trails and pathways within the park’s property as well as new trails that would connect the park to other trail networks as well as nearby neighborhoods. Landscaping, wayfinding signage, and other items are included in the project.				
08/20 – 10/20	I-10 & I-12 College Dr. Flyover Ramp Design-Build Project, Baton Rouge, LA: This project required the replacement of three trees for each tree removed as part of the construction. Mr. Bryan assisted with the public/stakeholder outreach by providing he did the rendering of the full build for the project. He did the renderings and did the conceptual landscape design for the tree replacement plan re-quired for the full build in the median and gore areas.				
11/19 – 01/20	LADOTD Design of Safety Projects; W. 11th Avenue Pedestrian and Bicycle Improvement, St. Tammany Parish, LA: This project will provide safety improvements which include 2,000 feet of sidewalks, pavement markings, signage, and storm sewer drainage along W. 11th Avenue between S. Tyler (LA 21) to S. Jefferson Avenue. Mr. Bryan completed a typical section rendering for the client.				
12/17 – 07/20	South City Parkway Extension, Lafayette, LA: Mr. Bryan completed graphics for a linear park as an alternative use of the extra greenspace associated with the project.				
11/09 – 01/10	Itawamba County Welcome Center Landscape Renovation, Itawamba County, MS: Neel-Schaffer provided landscape architectural services for landscaping and site renovation of the Mississippi Welcome Center located on US 78 in Itawamba County. Renovation services included selective removal of existing plant material and the installation of new shrubs, trees and groundcover. Plans were also provided for improved handicap accessibility, improvements to the existing irrigation system and drainage improvements to capture water from the downspouts. Other improvements included new site lighting, welcome sign and guard station. New benches and trash receptacles were also part of the project.				
10/09 – 12/10	I-20 Vicksburg Welcome Center, Vicksburg, MS: Landscape architectural services for the Welcome Center included the selective removal of existing plant material and the installation of new shrubs, trees, and groundcover. Plans were also provided for a new automated irrigation system and a wood fence to screen the center’s dumpster location. New benches and trash receptacles were also part of the project.				
04/09 – 02/10	I-59 Pearl River Welcome Center Landscape, Pearl River County, MS: The project scope included replacement of concrete pavement for truck parking areas, concrete paving for new bus parking areas, stormwater drainage piping and inlets, landscaping, streetscape, replacement of old roadway lighting, picnic shelter construction, new sewage lift station and force main tie into the Pearl River County Utility Authority system. Mr. Bryan was the Landscape Architect for the project.				
04/09 – 08/09	Woodville Hospitality Station, Woodville, MS: Planting & Irrigation design for the \$2.5 million project that included relocation of an existing drainage channel, which divided the parking area to the rear of the site, requiring an extensive amount of fill material to be imported. Neel-Schaffer designed entry and exit lanes along US 61, a frontage road adjacent to the highway for residential access, truck/bus parking areas, car parking areas, and a travel-trailer dump station.				



2015	Visitor Center and Lighthouse Park (Phases 1 and 2), Biloxi, MS: Created landscape and irrigation plans and specifications for the Welcome Center and Lighthouse Park. The project includes a scenic walking path with signage, children's play area, two previous paver parking areas, landscaping, lighting, and a pavilion with an unobstructed view of the Mississippi Sound and Biloxi Lighthouse. The scenic walking path is 1,400 feet and allows access to the natural area while preserving the bayhead swamp. Also created plans and specifications for the parking lot expansion in the second phase.
01/24 – 04/24	Tanglefoot Trail Extension Feasibility Study, Ripley, MS: Landscape Architect (Subconsultant). Provided existing conditions assessment for approximately 19-mile rail corridor from New Albany to Ripley including right-of-way widths, elevated crossings, railroad regulations, and other opportunities/constraints. Participated in key stakeholder interviews with rail company representatives, MS Department of Transportation, existing trail management, and others. Assisted in the draft and formatting of information into a final document.
10/22 – Ongoing	C & G (Columbus & Greenville) Rail Trail: Landscape Architect. Data analysis and property mapping for a project that converts 92 miles of inactive C&G rail line between Greenwood and West Point into Mississippi's longest rails-to-trails. The proposed C&G Rail Trail would be a multi-purpose recreation trail along the lines of our state's other major trails; Longleaf Trace and Tanglefoot Trail.
01/18 – Ongoing	US Highway 49 Landscape Improvements Project, Hattiesburg, MS: median and shoulder planting design along 2.5 miles through the City of Hattiesburg, MS, using Transportation Alternative Funding through Mississippi DOT and local partners, permit required and approved
01/14 - 12/14	Mississippi State University South Entrance Road Project, Starkville, MS: Shoulder tree and screen/windbreak planting design along 3.4 miles of new 3-lane and 2-lane roadway, irrigation design at north and south termini
08/10 – 09/12	West 4th Street Reconstruction Phase 1, Hattiesburg, MS: Median planting design with decorative nosepoint paving along 1.0 mile of reconstructed 3-lane roadway, created plan view rendering for public review
04/09 – 11/10	Henderson Point Park & Ocean Springs Park, Harrison County, MS: Park design for approximately 8.0 acres at Henderson Point at base of Bay St. Louis Bridge in Harrison County including parking, sidewalks, pavilions, play equipment, site amenities and land-scape design, parklet (small park) design at base of US Highway 90 Bridge in Ocean Springs, MS, including benches, signs and planting design.
09/08 – 01/09	Jeff Davis Avenue Reconstruction, Long Beach, MS: Overall streetscape design including on-street parking, sidewalks, decorative paving and landscape design for 0.4 mile of 2-way roadway
Career History	Mr. Bryan joined Neel-Schaffer in 2007 and has over 24 years of experience in planning, design and construction projects for public and private clients. His experience includes creation of detailed planting plans, irrigation plans, site plans, and design of public facilities such as streetscapes, parks, and athletic complexes. Mr. Bryan also has experience in the creation of plans for office parks, residential subdivisions, and detailed site analysis and assessment. These projects created spaces that are functional, attractive, compatible with the natural environment, and safe for all modes of transportation including bicycle, pedestrian, and vehicular. Mr. Bryan is familiar with typical DOT landscape standards including clear zones, setbacks, sight triangles, and permitting. Mr. Bryan has also served as an advocate for cycling, hiking and blueways through his involvement with the Pine Belt Pathways and Piney Woods Chapter of the Land Trust for the Mississippi Coastal Plain.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name		Kara Moree, CFM	Years of experience with this firm/employer	1
	Title		Regional Environmental Coordinator	Years of experience with other firm(s)/employer(s)	19
	Degree(s) / Years / Specialization		BS / 2005 / Resource Biology & Biodiversity		✓ Experience with LA 384 project included in this RFP
	Active registration number / state / expiration date		ASFPM US-06-02202 / LA		
	Year registered	2006	Discipline	N/A	
	Contract role(s) / brief description of responsibilities		Public Outreach, Environmental		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
08/20 – 04/25	S.P. H.013284: Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA*: Project Manager and NEPA Specialist on the Enhanced Planning Study and Environmental Assessment for a proposed new bridge crossing of the Mississippi River for the purposes of providing transportation system redundancy and additional capacity across the Mississippi River and alleviating traffic congestion in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new “south” Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 with a connection to Interstate 10 on the west side of the Mississippi River and to LA 30 (and widening of, LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls. This project required an elevated level of public involvement, including quarterly updates to the Capital Area Road and Bridge District (CARB-D), a commission comprised of Parish Presidents from Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge parishes, the Secretary of LADOTD, and a commission chairman appointed by the Governor. Included NEPA-compliant public meetings.				
02/15 - 01/17	SPN. H.011242.1, LA 384 (Big Lake Road to McNeese Street)*: Environmental Project Manager. Responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations for evaluating alternatives to improve the mobility of the corridor. Additional duties included identifying wetlands, stakeholder/public meetings , and preparing mitigation cost tables as well as creating Environmental Avoidance mapping using GIS. Included NEPA-compliant public meetings.				
08/24 – Ongoing	LADOTD SP H.003931 I-10 Calcasieu River Bridge P3 Project, Lake Charles, LA: Environmental Compliance Manager (ECM) for the Design Build Contractor (Louisiana Bridge Builders). Tasks include the management and guidance of the environmental permitting and compliance commitments for the project in accordance with NEPA standards. Acts as a liaison between the design team, environmental permitting team and all agencies involved in the permitting process. Providing guidance to LBB and assisting in decision making are key to the job duties as well as preparing all associated Environmental Plans such as a Comprehensive Environmental Protection Plan and a Hazardous Materials Management Plan. Included NEPA-compliant public meetings.				
05/13 – 08/19 08/19 – 08/20	Environmental Impact Statement (EIS) for Houma-Thibodaux to I-10 Connection – North-South Corridor/Hurricane Evacuation, LADOTD SP No. 700-99-0302*: Project Manager. Assisted with providing environmental studies and NEPA documentation related to addressing alternative courses of action for the development of a north-south hurricane evacuation route and suitable mitigation plans for all alternatives, including the preferred alternative. Responsible for providing various sections of the EIS, such as noise, vegetation and habitat, agriculture and farmland, threatened and endangered species, essential fish habitat, water quality, wild and scenic rivers, wetlands, and permits and mitigation. A preliminary Draft EIS document was recently reviewed by LADOTD.				
01/17 – 08/18	Stage 1 Environmental Assessment for LA 447 Corridor Study, LADOTD SP No. H.005734, Walker, LA*: Project Manager. Assisted in providing environmental studies, NEPA documentation, public, agency, and stakeholder meeting coordination . Performed wetland delineations and oversaw all aspects of the environmental portion of the project. Ms. Moree organized and conducted the kick-off meeting, scoping meeting, stakeholder meeting, and public meeting and assisted with data collection, schedule preparation, project work plan development and other project initiation activities. She completed the draft SOV and has received approval from FHWA for the logical termini. She oversaw the Phase 1, noise, air and other environmental tasks. Included NEPA-compliant public meetings.				



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

* Previous experience



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Leah Selcer, PE			Years of relevant experience with this employer	5
	Title	Senior Project Manager			Years of relevant experience with other employer(s)	6
	Degree(s) / Years / Specialization			BS / 2014 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 43492 / LA / 09-30-2027		
	Year registered	2019	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Road and Drainage 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).					
6/22 – Present	H.001779 Jimmie Davis Bridge (LA 511) (HBI) Design Build: Drainage Design. This project will replace the existing 5 lane roadway with a 4 lane median divided roadway with turn lanes. It will provide a new bridge crossing for LA 511 at the Red River and will also modify the existing bridge crossing for use as a linear park and provide a multiuse path. Neel-Schaffer is providing the roadway drainage design, traffic analysis, signal design, striping and signing plans, road design support and Bridge H&H and Scour for the river crossing. This preliminary design is being completed in support of the Design Build Proposal document.					
03/21 – 09/21	ARDOT 061614: Bridge Replacements Along SR 86, Prairie County, AR: Engineer for H&H Design. Neel-Schaffer was selected to develop and provide final roadway plans, final bridge plans and a hydraulic analysis for this project that includes the replacement of hydraulic structures at two sites along SR 86 near SR 38 in Prairie County. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.					
05/20 – 11/20	ARDOT 101054: Bridge Replacements Along SR 230, Lawrence and Craighead Counties, AR: Engineer for H&H Design. Neel-Schaffer was selected to develop and provide final roadway plans, final bridge plans, hydraulic analysis and a geotechnical report for this project that includes the replacement of hydraulic structures at 10 sites along SR 230 between Alicia and Bono in Lawrence and Craighead counties. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.					
10/20 – 03/21	ARDOT 040788: Bridge Replacements Along SR 64, Crawford County, AR: Engineer for H&H Design. Neel-Schaffer was selected to develop and provide final roadway plans, final bridge plans and a hydraulic analysis for this project that includes the replacement of hydraulic structures at two sites along SR 64 near Mulberry in Crawford County. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.					
08/20 – 11/20	ARDOT 030412: Bridge Replacements Along SR 70, Sevier County, AR: Engineer for H&H Design. Neel-Schaffer was selected to develop and provide final roadway plans, final bridge plans and a hydraulic analysis for this project that includes the replacement of hydraulic structures at three sites along SR 70 near the Oklahoma state line. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.					
06/20 – Present	I-10/12 College Drive Flyover Design Build, Baton Rouge, LA: NS is performing a traffic study at the I-10/12 merge in an effort to improve capacity and safety. Ms. Selcer assisted with drainage engineering.					
12/20 – 04/21	ARDOT 040780: Bridge Replacements Along SR 186, Franklin County, AR: Engineer for H&H Design. Neel-Schaffer was selected to develop and provide final roadway plans, final bridge plans and a hydraulic analysis for this project that includes the replacement of hydraulic structures at two sites along SR 186 near Altus in Franklin County. Ms. Selcer prepared a Hydrologic and Hydraulic Analysis for the roadway drainage structures associated with the project.					
06/20 – 10/20	US 71 (Barksdale Blvd.) Streetscape Improvements Project, Bossier City, LA: Engineer for streetscape improvements project in Bossier City, LA. Tasks included sidewalk design and plan preparation, utility conflict identification, and drainage design.					
5/21 – 10/21	LA Hwy 71 (Barksdale Blvd.) Highway Lighting Project, Bossier City, LA: Engineer for civil design features associated with Phase II of this street lighting project, including preparing of stormwater pollution prevention plans.					



03/23 – Present	US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); H&H Analysis and Design Services: This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design.
06/24 – Ongoing	LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5; H&H Analysis and Design Services: Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000' east of Duncan Avenue.
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).
02/15-01/16	I-210 Exit Ramp Right Turn Lane Addition, Calcasieu Parish, LA: Ms. Selcer prepared construction documents and cost estimates for roadway intersection improvements required to mitigate traffic impacts along state and parish roadways for the proposed Axiall Plant Expansion in Calcasieu Parish, LA. Prepared plans, including demolition, geometric drawings, signing plans, associated drainage improvements for the addition of a right turn lane at the existing Interstate Highway Off Ramp. Project included determining existing ROW and required ROW, taking inventory of as-built plans for the existing geometric section, coordinating existing utility relocations, and determining the required section based on the design criteria, roadway classification, and traffic engineers' recommendations.
02/15-01/16	LA 108 & Maplewood Drive Intersection Improvements, Calcasieu Parish, LA: Ms. Selcer prepared construction documents and cost estimates for roadway intersection improvements required to mitigate traffic impacts along state and parish roadways for the proposed Axiall Plant Expansion. Prepared plans, including demolition, geometric drawings, signing plans, associated drainage improvements for the addition of a left turn lane at the existing state highway intersection. Project included determining existing ROW and required ROW, taking inventory of as-built plans for the existing geometric section, coordinating existing utility relocations, and determining the required section based on the design criteria, roadway classification and traffic engineers' recommendations.
11/15-01/16	LA 964 (Old Scenic Highway) Left Turn Lane Addition, Zachary, LA: Ms. Selcer was responsible for the preparation of preliminary and final construction plans and cost estimates for the addition of a left turn lane on LA 964 in Zachary, Louisiana. She prepared plans, including demolition, geometric drawings, signing plans, associated drainage improvements for approval by DOTD.
Career History	Ms. Selcer joined Neel-Schaffer in 2020 as a Water Resources Project Engineer and, in 2023, was promoted to the role of Louisiana Hydrology and Hydraulics (H&H) Lead. As the H&H Lead, Leah oversees all H&H and drainage design projects in Louisiana. Based in the firm's Baton Rouge office, Leah has 10 years of extensive and diverse experience on a variety of Civil Engineering and Coastal Engineering projects. She has a broad range of project engineering and management experience, providing design, planning, and budgeting services for multiple projects. She is also experienced in preparing permits, plans and specifications, design calculations, reports, and presentations for a variety of civil engineering projects. She has assisted in the engineering and design of several complex civil, coastal and water resources projects for coastal ports, parish governments, LADOTD, CPRA, as well as private developers.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT EXPERIENCE



Firm employed by Neel-Schaffer, Inc.

Name	Ryan Lam, EI			Years of experience with this firm/employer	3
Title	Engineering Intern			Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization			BS / 2023 / Civil Engineering		
Active registration number / state / expiration date			EI 35526 / LA / 03-31-28		
Year registered	2023	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Engineer Intern - 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 five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Plan Production and Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000' east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; Project will convert existing intersection to single lane roundabout intersection.
04/23 - Present	Lagneaux Turn Lane Improvements, Lafayette, LA: Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.
04/23 - Present	Rue Du Belier Roundabout: Project will convert existing single roundabout to double lane roundabout with drainage improvements and lighting. Assisted with design.
04/23 - Present	S. Domingue Roundabout: Project will provide roundabout and drainage improvements. Assisted with design.
07/21 - 08/21	LA 1088: Sault 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 callouts on plan/profile sheets, and 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 joined our Baton Rouge office as an Engineer Intern working in our Transportation Department. Ryan has experience with design and plan production. Ryan was a summer intern in the road design section at LADOTD's headquarters during the summers of 2021 and 2022. After graduating in May 2023 from Louisiana State University with a Bachelor of Science in Civil Engineering, Ryan joined Neel-Schaffer on a full-time basis.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Daniel Marks, PE			Years of relevant experience with this employer	2
	Title	Senior Project Manager			Years of relevant experience with other employer(s)	11
	Degree(s) / Years / Specialization		BS / 2013 / Civil Engineering			
	Active registration number / state / expiration date		PE No. 42342 / LA / 09/30/2026			
	Year registered	2018	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).					
05/22 - 03/24	MOVEBR, Baton Rouge, LA: Project Manager. MOVEBR is a \$1.1 billion Transportation Improvement Program. As a project manager for the program, Mr. Marks’ responsibilities included overseeing the design and development of construction plans, producing programmatic financial projections, managing the schedules of multiple projects with a total portfolio value in excess of \$250M, negotiating contracts for consultants and specialty contractors, and facilitating communication between many public and private stakeholders.					
1/21 – 5/22	H.011684 S State Highway 327 SPUR: Staring Lane Extension, Baton Rouge, LA: LADOTD Project Manager. Mr. Marks led the preconstruction activities on behalf of the Louisiana Department of Transportation for this project. The preconstruction services included topographic site surveys, environmental document preparation, traffic impact studies, and preliminary project plan development. This Road Transfer Program project had a cost estimate of \$15.6 million.					
09/19 - 12/20	H.012914 S State Highway 3073: US 167 – Kaliste Saloom Road, Lafayette, LA: CE&I. Mr. Marks was responsible for every aspect of quality assurance on this project. Multiple signalized intersections and a large amount of sidewalk and pedestrian facility improvements required comprehensive sidewalk closure and pedestrian re-routing during construction. The purpose and need for this project was concrete pavement rehabilitation on an urban arterial with an ADT in excess of 46,000 vehicles per day. Mr. Marks was onsite daily (and nightly) communicating with the contractor and inspection and testing firm. This project was one of the first several in District 03 to use Headlight for documentation. The construction cost was approximately \$6.5 million.					
09/19 - 04/20	H.013527 Repairs to Vermilion River Bridges (HBI), Lafayette, LA: CE&I. This project involved mechanical and electrical repairs to six movable bridges along the Vermilion River from Lafayette, LA to Abbeville, LA. Five of the bridges were vertical lift bridges and one (Ambassador Caffery Pkwy) was a swing span bridge. The project was funded with Federal emergency dollars to make repairs to facilities impacted by 2016 flooding. The project involved overnight work and sophisticated traffic management, both with motorists and the US Coast Guard. The repairs were technical in nature and required me to become knowledgeable of the National Electric Code (NEC), structural components, and hydraulic systems.					
10/17 – 04/20	H.016215 Verot School Road (LA 339), Lafayette, LA: CE&I. The project, a 3.27-mile total reconstruction, involved the complete removal of an existing two-lane roadway with an ADT of 20,000 vehicles per day and subsequent replacement with a new four-lane boulevard with pedestrian facilities in south Lafayette, LA. Mr. Marks provided on-site construction administration services for this project, which had a total construction cost of over \$38 million. This project was high profile in nature and received major input from the public and media. Post construction, this roadway has achieved its program goals and provided the local municipality with a high-value segment of infrastructure compatible with future corridor transportation plans. Pedestrian facility utilization is high, and road users have experienced a substantial safety improvement from the implementation of dedicated turn lanes throughout the boulevard, separating turning movements from through-traffic.					
01/18 – 06/18	LA 343: LA 342 - 1.0 MI N LA 342, Duson, LA: CE&I. Mr. Marks served as the CEI field lead on this project which involved the complete reconstruction of 1 mile of LA 343 by way of in-place cement stabilized base course, RPCCP base course, and asphalt paving. Asphalt patching was performed at bridge ends which included guard rail installation. Erosion control pipe and significant sack revetment was placed to stabilize the soil near the bridge end bents. Upstream, cross drainpipes were replaced under traffic. This project required the careful implementation of PGL transitions at tie-ins.					



10/15 – 02/16	H.008345 LA 3083: Bayou Alexandre Bridge Replacement Coteau Holmes, LA: CE&I. This on system bridge replacement project involved the replacement of a single lane timber bridge in rural St. Martin Parish with a new concrete girder span bridge. Mr. Marks provided daily onsite inspection during the early stages of the project until it was discovered that the concrete piles needed to be redesigned for inadequate bearing capacity observed during test pile driving. Mr. Marks observed the complete demolition and environmental compliance necessary to dispose of environmentally sensitive creosote piles and timber bridge. After test pile failure on a restrrike, the project was postponed.
03/18 – 10/18	H.002117 LA 700: Vermilion P/L - LA 342, Duson, LA: CE&I. This route, a rural two-lane minor collector, needed complete reconstruction including in-place soil cement stabilization, Type E interlayer, and asphalt paving. This project also involved subgrade lime treatment and reinforced concrete pipe with flexible and sacked revetment. Mr. Marks provided daily inspection oversight and worked with District Laboratory personnel to administer the newly adopted asphalt paving quality assurance program.
02/19 – 12/19	H.012860 LA 31: 0.12 MI SE LA 94 - LA 336-1, Breaux Bridge, LA: CE&I. This route, an urban minor arterial, received much needed asphalt concrete overlay of Portland cement concrete pavement, drainage structures, pedestrian improvements including the complete reconstruction of sidewalks and handicap curb ramps within the project limits, and a new signal at its intersection with Bridge Street. Mr. Marks provided inspection oversight of field operations and quality assurance on behalf of LADOTD.
06/20 – 12/20	LA 731: LA 182 - US 90 S. Service Road, Broussard, LA: CE&I. This project included predominantly asphalt paving and large drainage structure installation. Mr. Marks provided quality assurance as an employee of LADOTD during the installation of a dual 72" cross drain in a substantial channel requiring significant dewatering and construction layout. The 72" pipes entered an MH-14X OPEN manhole and extended to a large cast in place concrete headwall. This work also included municipal sewer and water facility adjustments and coordination. Mr. Marks was also instrumental in preconstruction activities including the development of what became a very accurate Contract Time Worksheet for this project.
04/15 – 04/16	H.011399 LA 367: LA 1113 - LA 365 Branch, LA: CE&I. This project was a 6.5 mile full reconstruction of a rural major collector. Mr. Marks was the drainage inspection lead on this project, overseeing the installation of a triple barrel 7x7 box culvert extension as well as a dual 36" cross drain under traffic. The drainage work included cast in place structural concrete and the cleaning of other drainage structures along the route. The box culvert extension occurred in a large drainage canal that required a dam and diversion piping for installation.
07/18 – 10/19	H.009456 LA 347: Roundabout at Doyle Melancon Road, Breaux Bridge, LA: CE&I. This roundabout was installed at a previously stop controlled intersection just outside of the city of Breaux Bridge near the high school. The placement of the inscribed circle demanded that a large drainage canal be filled and subsequently surcharged prior to the installation of new pavement. Mr. Marks provided on-site quality assurance during concrete paving operations.
08/13 – 12/14	Roundabout at Interchange, LA 93 & LA 3168, Scott, LA: CE&I. A gateway to the City of Scott from I-10, this roundabout required a total revamp to the existing interchange. All approaches were realigned and major changes to the grading and elevation of the area created a canvas for this critical terminus. As an LADOTD employee, Mr. Marks provided daily on-site inspection of operations and the daily logging of work reports and material testing.
11/13 – 08/14	H.006292 Lion Castille Road Bridge Over Bayou Portage Guidry, Breaux Bridge, LA: CE&I. This off-system bridge project replaced a timber bridge with a new precast concrete panel bridge over driven PPC piles. Mr. Marks provided construction contract administration as a LADOTD employee. Mr. Marks led efforts for layout, sampling and testing, and project documentation.
08/13 – 06/14	850-02-0015 Little Platte Canal and Creek Bridges, Henderson, LA: CE&I. This project consisted of the installation of a new double barrel box culvert with associated headwalls and guard rail. The roadway was completely closed during construction to allow full access for cranes and equipment to complete the realignment of the drainage canal and deep excavation required. The roadway was completely reconstructed with new embankment and full section consisting of class II base course (stone) and asphalt concrete pavement. Mr. Marks provided daily construction contract administration.
Career History	Mr. Marks is a seasoned transportation project manager with over a decade of experience in civil engineering and infrastructure development across Louisiana. He has extensive experience in construction engineering and inspection (CE&I), having provided quality assurance and field oversight for numerous urban and rural roadway projects, bridge replacements, roundabouts, and drainage infrastructure improvements. He is certified in the following: ATSSA Traffic Control Supervisor Training Course, Baton Rouge, 2015; ATSSA Traffic Control Technician Training Course, Baton Rouge, 2015.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Nicholas Castille, PE			Years of experience with this firm/employer	1
	Title	Project Engineer			Years of experience with other firm(s)/employer(s)	4
	Degree(s) / Years / Specialization			BS / 2019 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 48009 / LA / 09-30-2027		
	Year registered	2023	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Road Design		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
11/19 – 06/23	Kaliste Saloom Roadway Expansion Phase IIIA and IIIB, Lafayette, LA: Performed construction administration services including payment application derivation, review of inspector progress reports, attendance of construction progress meetings, and change order preparation in accordance with Lafayette Consolidated Government standards. He was also a point of contact for project updates for public involvement.					
12/19 – 01/21	Apollo Road Extension Phase III, Scott, LA: Performed hydrologic and hydraulic analysis (LADOTD HYDR) of site for open ditch and drainage structure design including application of alignment, section template, and structures database using MicroStation and InRoads. Also provided plan and profile sheet production and annotation. Derivation of estimated construction quantities and associated costs.					
04/22 – 02/25	LA 182 (University Ave) at LA 723 (Renaud) Roundabout, Lafayette Parish, LA: Coordination of survey subconsultant for original and supplemental survey efforts. Design of horizontal and vertical geometry to LADOTD standards for applicable roadway sections in MicroStation and InRoads. Drainage area delineation, runoff quantification, inlet spacing, subsurface drainage, cross-drain, side-drain, and open channel drainage design using LADOTD HYDR tools. Quantification of estimated project construction materials, and plan and profile sheet production. Sequence of construction design and plan production.					
05/21 – 02/25	Verot School Road at US 90, Lafayette Parish, LA: Design of pavement markings and traffic control layouts for applicable roadway sections, preparation of sequencing of construction plan sheets, quantification of estimated project materials, and plan and profile sheet annotation in accordance with LADOTD standards. Horizontal geometry and drainage modifications as necessary for constructability, design and plan sheet production of joint layout and graphical grading. Preliminary no-rise analysis using effective HEC-RAS (1D) model.					
08/20 – 12/21	Elm Grove Garden Drive Pedestrian Improvements, Baton Rouge, LA: Hydrologic analysis of project area and hydraulic design (LADOTD HYDR) of subsurface drainage system to replace existing open ditch system along two-lane corridor and design of sidewalk to accommodate drainage improvements in accordance with City of Baton Rouge standards. Application of design in MicroStation and InRoads for plan sheet production and annotation.					
10/21 – 03/25	Southern University Ravine Stabilization, Baton Rouge, LA: Hydrologic and hydraulic analysis of project watershed, preparation of HEC-HMS and HEC-RAS (2D) models for use in determining water surface elevations and velocities within proposed improvement area. Prepared hydraulic analysis report with exhibits and analysis results. Production of preliminary environmental assessment in compliance with NRCS/NEPA standards.					
03/20 – 02/25	Upper West Fork Cypress Bayou Environmental Assessment, Baton Rouge, LA: Hydrologic and hydraulic analysis of existing project watershed, preparation of HEC-HMS and HEC-RAS (2D) models for use in storm routing and dam breach analyses. Prepared an environmental assessment summarizing findings in accordance with NRCS design criteria and standards. Economic analysis of studied alternatives and various project map production using ESRI ArcGIS Pro. Coordination of multiple subconsultants including geotechnical, cultural, environmental, and general civil firms.					
11/21 – 05/25	Alcide Bonin Coulee Drainage Improvements, St. Martin Parish, LA: Supervision of HEC-RAS (1D) model development and drainage impact analysis for determination of water surface elevations and coulee cross drain improvements. Preparation of construction plans and US Army Corps permit plans, as well as LADOTD permitting applications. Preparation of construction cost estimate and coordination of project delivery with St. Martin Parish.					



04/24 – 05/25	US 82 Frontage Road Bridge Replacement: Began preparation of conceptual (Phase A) plans for a bridge replacement project in coordination with the Mississippi Department of Transportation using MDOT standards and Bentley OpenRoads. Submitted preliminary right-of-way plans including horizontal and vertical alignment of proposed roadway and bridge replacement, guardrail design, and necessary modifications to intersecting side road.
02/24 – 05/25	St. Martinville Main Street Enhancement, St. Martinville, LA: Development of construction plans for sidewalk widening and lighting improvements throughout LA-31 (Main Street) in St. Martinville. Meetings with and coordination with the City of St. Martinville Mayor as necessary, permitting applications with DOTD, management of electrical subconsultant and existing utility coordination.
05/25 – Present	E. Opelousas Street Improvements: Project will provide roadway, intersection, and drainage improvements from Opelousas Street west of E. Ward Line Road (LA 397) to E. Opelousas Street to accommodate commercial development north of E. Opelousas Street. Completed hydrologic and hydraulic design and analysis and assisted with plan sheet production. Generated summary of drainage structures and prepared hydraulic report.
07/25 – Present	W. Broussard at Duhon Road Roundabout: Project will provide roundabout and drainage improvements. Assisted with review of plans and hydraulic design and plan production. Generated plan sheets based on preliminary signing and pavement markings designs. Supervised generation of geometric detail and special paved ditch detail plan sheets. Updated preliminary summary of estimated quantities and opinion of probable construction cost.
07/25 – Present	Lagneaux Turn Lane Improvements: Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Review of hydraulic design with designer for constructability and conformance with governing criteria. Review of plans for quality control. Development of summary of estimated quantities and opinion of probable construction cost.
07/25 – Present	Rue Du Belier Roundabout: Project will convert existing single roundabout to double lane roundabout with drainage improvements and lighting. Updated summary of estimated quantities and opinion of probable construction cost.
08/25 – Present	S. Domingue Roundabout: Project will provide roundabout and drainage improvements. Assisted with hydraulic design and plan production. Generated summary of drainage structures and preliminary summary of estimated quantities and opinion of probable construction cost.
08/25 – Present	I-10 Calcasieu River Bridge (H.003931) Erosion Control Plans: Project will provide interstate roadway and bridge improvements along existing I-10 from I-210 to Kirkman Street including improvements at side streets and service roads. Design of erosion control measures in accordance with LADOTD Standards and planned phases of construction activities of proposed improvements. Production of plan sheets for nine phases of construction spanning the proposed roadway and bridge improvements.
Career History	Mr. Castille is a licensed Professional Engineer and has experience in design, planning, and hydraulic modeling. His core experience is in hydrologic and hydraulic modeling, open channel drainage systems, and subsurface drainage systems. He assists with various engineering design tasks including roadway plan and preparation, horizontal geometric design, inspections, design of geotechnical features, design of open and closed drainage systems, and hydrologic and hydraulic modeling. He has also been responsible for the supervision of lab and field technicians, assisting in the design of shallow and deep foundations, pavement design, and geotechnical construction materials testing and reporting.



16. STAFF EXPERIENCE

J-TURN AND U-TURN PROJECT 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 / 09-30-2027		
	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 five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); 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 while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); Utility Design Services. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn 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. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; project will convert existing intersection to single lane roundabout intersection.				
04/23 – Present		Lagneaux Turn Lane Improvements, Lafayette, LA: Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.				
04/23 – Present		Rue Du Belier Roundabout: Project will convert existing single roundabout to double lane roundabout with drainage improvements and lighting. Assisted with design.				
04/23 – Present		S. Domingue Roundabout: Project will provide roundabout and drainage improvements. Assisted with design.				
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 in Mandeville. NSI used InfoWater Pro to develop 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.
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. Developed a master plan and designed 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 NS's Louisiana offices and Senior Project Manager for NS's large Gulf Coast Katrina Recovery Projects. Prior to joining NSI, Mr. Lancaster was Design Manager for a national firm oversight of the Sewerage and Water Board of New Orleans' Sewer System Evaluation and Rehabilitation Program (SSERP). Responsibilities included overseeing all aspects of planning, design and construction administration. He was most recently Project Manager for the City of Bay Saint Louis' (MS) FEMA utility replacement projects and the S&WB's 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

J-TURN AND U-TURN PROJECT EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name		Gary LeBlanc, PE		Years of relevant experience with this employer	3
	Title		Project Engineer		Years of relevant experience with other employer(s)	28
	Degree(s) / Years / Specialization			BS / 1994 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 28220 / LA / 09-30-2027		
	Year registered	1999	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Road QA/QC		
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/23 – Present		IDIQ for road design projects - this contract includes five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226); QA/QC for roadway design and geometrics. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection while constructing J-turns and U-turns. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366); QA/QC for roadway design and geometrics. This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5; QA/QC for roadway design and geometrics. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000' east of Duncan Avenue. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; project will convert existing intersection to single lane roundabout intersection.				
04/23 – Present		Lagneaux Turn Lane Improvements, Lafayette, LA: Project will provide left turn lanes for eastbound and westbound traffic at Ridge Road and Lagneaux in Lafayette. Assisted with design.				
04/23 – Present		Rue Du Belier Roundabout: Project will convert existing single roundabout to double lane roundabout with drainage improvements and lighting. Assisted with design.				
04/23 – Present		S. Domingue Roundabout: Project will provide roundabout and drainage improvements. Assisted with design.				
07/23 – Present		US 90 Roundabout at LA 101: Providing QA/QC for improvements to the safety of the intersection by upgrading a two-way stop intersection into a single lane roundabout. The roundabout is being designed using LADOTD and FHWA guidelines. This is a single lane roundabout that will comfortably accommodate WB-67 since this intersection is a detour route for I-10. This project includes pavement signing and striping, drainage improvements, access management, construction sequencing, and cost estimates for bidding.				

10/22 – 10/23	East-West Connector (Winfield Road Congestion Relief): NSI Performed a Traffic Study and Line and Grade for a new east-west corridor through Bossier Parish. Gary completed the Traffic Study for the project and all intersection analyses for the four major intersections. Includes multilane Roundabouts.
2/23 - 12/23	Winfield Road Extension: Project provided new four-mile connector roadway between LA 1 at Belleview. NS provided road design services. Gary provided QA/QC.
12/23 – Present	LA 384 Feasibility Study: QA/QC Capacity analysis and supporting documents.
02/24 - Present	I-69 SUI 13, 12 and 11, Road Design Services for ARDOT: NSI is contracted with ARDOT to provide roadway and drainage design services for a 30 Mile new segment of I-69 with multiple interchanges near Monticello. Mr. LeBlanc is providing QA/QC for the roadway design. This corridor will be constructed in phases to allow it to advance as funding is available. Neel-Schaffer will produce this design as separate design packages.
07/22 – Present	I-20: LA 544 Overpass Replacement, Lincoln Parish, LA: NSI is completing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP. Project includes line and grade tasks (establish design criteria, develop typical sections, horizontal geometry, vertical geometry).
04/22 – Present	I-49 South at Verot School Road: Provided QA/QC for this project to construct 2.4 miles of mainline freeway and interchange at the intersection of I-49 South/US 90 and Verot School Road. This project includes the design of a major bridge crossing at Verot Rd. and I-49, and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is serving as the subconsultant for this project and designing the mainline and frontage roadways and associated a drainage. Project includes preliminary and final plans as well as signals.
07/22 – Present	W. Broussard Roundabout at Duhon Rd. (LA 724): This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (Preliminary and final design).
07/22 – Present	E. Milton Ave. Roundabout Widening and Corridor Improvements, Youngsville, LA: QA/QC this project includes a line and grade, preliminary and final plans for a 1.1-mile project at the intersection of Chemin Metairie Road and E. Milton Avenue. This project includes adding a two-way left turn lane to existing 2-lane and convert a single roundabout to multilane roundabout. The corridor includes subsurface drainage, restricted crossing U-turn , and raised median to prevent left turn movements.
Career History	Mr. Leblanc has been employed by Neel-Schaffer for three years following a 28-year career with LADOTD. While at LADOTD, Mr. LeBlanc spent 18 years in the Traffic Section (formerly Geometric Design). Mr. LeBlanc is the original author of the Typical Left Turn Lane detail depicting geometric widening and storage requirements for turn lanes. Mr. Leblanc is also the Engineer of Record for LADOTD Pavement Marking Standards including PM-05 Typical Intersection Striping Layouts, which depicts turn lanes and R-Cuts. In addition, Mr. LeBlanc has provided QA/QC services for numerous turn lane projects, both as standalone initiatives and as components of larger LADOTD projects. Mr. LeBlanc twice served on the committee for the LADOTD Design Guidelines as well as served on the committee for the Road Design Manual.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.					
	Name	Ronald Kirk Gallien, PE, PTOE			Years of experience with this firm/employer	5
	Title	Senior Project Manager			Years of experience with other firm(s)/employer(s)	36
	Degree(s) / Years / Specialization			BS / 1984 / Civil Engineering		
	Active registration number / state / expiration date			PE No. 23428 / LA / 09-30-2027; PTOE No. 1288		
	Year registered	1989	Discipline	Civil		
	Contract role(s) / brief description of responsibilities			Traffic 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 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 layout 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, tornadoes, 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	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 / 03-31-2028		
	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 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. Mr. Standige is providing constructability reviews 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 brings over 30 years of roadway construction engineering experience with LADOTD. His career includes serving as District Construction Engineer for one year, Area Construction Engineer for five years, and Construction Project Engineer and Assistant Construction Project Engineer for 24 years. He possesses comprehensive expertise in all facets of highway and bridge construction and has overseen the execution and rehabilitation of numerous complex DOTD projects, including superstructures, highways, bridges, and overpasses. Mr. Standige is highly knowledgeable in the constraints and requirements imposed by federal and state statutes and regulations, and has played a key role in developing plans and specifications that align with federal, state, and local construction standards. During his tenure as Construction Engineer and Area Engineer, he managed multimillion-dollar roadway and bridge construction projects within his assigned area, including oversight of project engineers' offices. He collaborated closely with design engineers to ensure quality assurance and constructability and was responsible for approving payment estimates and plan changes in Site Manager, as well as reviewing and approving contractors' Critical Path Method (CPM) schedules. Mr. Standige is certified as a Work Zone Traffic Control Supervisor and Flagger.



16. STAFF EXPERIENCE

	Firm employed by Neel-Schaffer, Inc.				
	Name	Lonny Territo		Years of relevant experience with this employer	13
	Title	Senior Technician		Years of relevant experience with other employer(s)	15
	Degree(s) / Years / Specialization		N/A		
	Active registration number / state / expiration date		N/A		
	Year registered	N/A	Discipline	N/A	
	Contract role(s) / brief description of responsibilities		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 five separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout 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 while constructing J-turns and U-turns. 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 widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a J-turn and U-turn 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. 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass; 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass in Morgan City, LA. 5.) H.015640 LA 150 & LA 818: Roundabout; project will convert existing intersection to single lane roundabout intersection.				
05/15 – Present	LA 328 Stage 0 Traffic & Safety Study: Traffic and safety analysis of the LA 328 in proximity to I-10 in St. Martin Parish. Performed traffic counts and Breaux Bridge, LA: traffic controller downloads.				
06/14 – Present	Baton Rouge Computerized Signalization, Phases IV and V: Performed traffic engineering, signal design and construction services in support of the City of Baton Rouge computerized signalization. Phase IV included 21 intersections and Phase VA included 23 intersections. Phase VB which is currently in the design phase includes 24 intersections. Performed traffic counts and traffic controller downloads.				
09/14 – 01/18	District 02 Traffic Signal Inventory Retainer Contract: LA 39, LA 46 & LA 47 Corridor Improvements (28 intersections): Performed traffic counts and traffic controller downloads.				
09/14 – 01/18	District 02 Traffic Signal Inventory Retainer Contract, LA 39, LA 46 & LA 3021 Corridor Improvements (26 intersections): Performed traffic counts and traffic controller downloads.				
09/14 – 01/18	District 02 Traffic Signal Inventory Retainer Contract: I-610, I-10, US 90 & LA 3021 Corridor Improvements (17 intersections) (4400004829 Task Order H.011649.5) Performed traffic counts and traffic controller downloads.				



09/14 – 01/18	District 02 Traffic Signal Inventory Retainer Contract: US 61 & LA 3154 Corridor Improvements (23 intersections): Performed traffic counts and traffic controller downloads.
08/14 – 08/17	Retainer Contract for Traffic Signal Engineering, US 80 Traffic Control Signal Upgrades: Provided signal design plans and signal timing plans at 20 intersections along US 80 in Shreveport, LA. Performed traffic counts and traffic controller downloads.
07/14 – 12/14	Baton Rouge Computerized Signalization Phase VA: Phase VA included 23 intersections, performed construction inspection in support of the City of Baton Rouge computerized traffic signal synchronization system. Performed construction inspection as the Resident Project Representative.
12/14 – 05/15	Retainer for Signal Timing Studies Districts 61, 62 & 02: US 11, Slidell, LA (16 intersections): Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14 – 05/15	Retainer for Signal Timing Studies Districts 61, 62 & 02: LA 3040/LA 20/LA 57, Houma/Thibodaux (25 intersections): Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14 – 05/15	Retainer for Signal Timing Studies Districts 61, 62 & 02, LA 44, Gonzales, LA (10 intersections): Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14 – 05/15	Retainer for Signal Timing Studies Districts 61, 62 & 02, LA 19, Baker, LA (10 intersections): Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14– 05/15	Retainer for Signal Timing Studies Districts 61, 62 & 02, US 425, Vidalia/Ferriday, LA (11 intersections): Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14 – 05/15	Retainer for Signal Timing Studies Districts 61, 62 & 02, LA 3124/LA 60/LA 10/LA 16, Bogalusa, Amite, Franklinton, Kentwood, Amite, LA (32 intersections): Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
Career History	Lonny joined Neel-Schaffer in 2013 and has nearly 30 years of experience as a technician and resident project representative. He has provided construction inspection services and traffic counts and traffic controller downloads for a wide variety of projects, including intersection improvements and traffic studies.
Certifications	ATTSA – Traffic Control Supervisor ATSSA – Registered Flagger IMSA/FOA Certified Fiber Optic Technician IMSA - Work Zone Temporary Traffic Control Technician IMSA – Traffic Signal Inspector Level 1 IMSA - Traffic Signal Design/Engineering Level II IMSA - Traffic Signal Senior Field Technician Level III.



16. STAFF EXPERIENCE

	Firm employed by C. H. Fenstermaker & Associates, L.L.C.					
	Name		Dax Douet, PE		Years of experience with this firm/employer	29
	Title		Director, Engineer		Years of experience with other firm(s)/employer(s)	1
	Degree(s) / Years / Specialization			BS / 1997 / Civil Engineering		
	Active registration number / state / expiration date			PE.0030170 / LA / 09.30.26		
	Year registered	2002	Discipline	Civil Engineer		
	Contract role(s) / brief description of responsibilities			Fenstermaker's Principal / Senior Roadway Oversight and 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).					
12/08 –02/23	Kaliste Saloom Road Widening & Intersection Improvements – LA 3073 to LA 733 (Lafayette Parish, LA) Served as Project Manager and Lead Roadway Engineer for this \$35 million, multiphase widening and intersection-improvement program along a heavily traveled, constrained urban corridor. From project initiation through construction closeout, he directed roadway geometry, roundabout and bridge components, drainage and hydraulic design, right-of-way and servitude requirements, utility coordination, public involvement, permitting, and phased plan development. Led design revisions as standards and project conditions changed, including updates to roundabout geometry, drainage outfalls, sequence-of-construction plans, and LADOTD permit documents. Coordinated LCG, LADOTD, residents, property owners, appraisers, utility providers, design staff, contractors, and inspectors through more than a decade of design and construction. Performed senior QA/QC of roadway and drainage plans and reports, signed final plan sheets, and resolved construction issues involving hydraulic grade lines, bridge-deck conditions, utility conflicts, traffic shifts, field revisions, and the phased opening of the roundabout.					
05/13 – 10/19	H.010620 US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build (Lafayette Parish, LA) Served as Lead Design Manager / Roadway Engineer of Record for this LADOTD Design-Build project upgrading US 90 to a six-lane controlled-access facility with frontage roads, two major overpasses, ramps, signal improvements, drainage, and MSE retaining walls. He directed roadway and drainage design, geometric development, traffic control, multistage construction sequencing, and coordination of structural, geotechnical, traffic, utility, and railroad requirements within constrained existing right-of-way. Managed five engineering subconsultants; led design mobilization and reviews with James Construction and LADOTD; prepared the design review plan; reviewed, signed, and sealed roadway plan revisions; and coordinated design exceptions, Form DR responses, and phased final plans. During construction, directed responses to RFIs, NCRs, field conditions, and plan revisions involving roadway geometry, drainage, traffic shifts, guardrail, bridges, retaining walls, and utilities, and coordinated as-built plans and final QA documentation through project closeout					
05/18 – 07/24	H.011235.5 Verot School Road Interchange at U.S. Highway 90 (Lafayette Parish, LA) Served as Project Manager and Lead Roadway Engineer for Fenstermaker's design scope on this \$127 million LADOTD project involving approximately 2.1 miles of controlled-access US 90 (Future I-49 South) and an elevated interchange at Verot School Road. Established roadway design criteria and directed development of horizontal and vertical alignments, typical sections, service-road and roundabout geometry, roadway models, cross sections, drainage systems, and sequence-of-construction plans. Led the design team; coordinated Huval, Neel-Schaffer, LADOTD, LUS, and utility providers; and resolved issues involving outfalls, tailwater conditions, hydraulic grade lines, right-of-way, servitudes, driveways, and utility conflicts. Performed senior QA/QC of roadway and drainage plans and reports, addressed agency and consultant comments, and coordinated preliminary and final plan submittals, roundabout revisions, and continuing utility and design changes.					

09/15-06/17	Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA 384 and LA 385) (Calcasieu Parish, LA) Served as Engineer of Record and Lead Roadway Design Engineer for three roadway-improvement projects developed from a regional traffic impact study supporting concurrent industrial facilities in lower Calcasieu Parish. Led widening and intersection improvements at LA 384 and West Lincoln Road, LA 384 and Tank Farm Road, and LA 385 and West Lincoln Road, including turn lanes, roadway geometry, lane and shoulder widths, pavement cross sections, grading, signing and striping, guardrail, and drainage interfaces. Performed QA/QC, directed plan revisions, addressed LADOTD comments and design exceptions, and signed and sealed plans. During bidding and construction, coordinated with the client, LADOTD, Calcasieu Parish, and contractors; resolved RFIs involving roadway profiles, box culverts, ditches, earthwork, pavement, driveways, and traffic-control details; and signed and sealed revised sheets and as-built plans through project closeout.
12/13-06/22	Churchpoint Road/Roddy Road Roundabout and Redesign, Ascension Parish, LA (Ascension Parish, LA) Served as Project Manager and Engineer of Record for the redesign of this roundabout after funding delays required Ascension Parish to update the original study and design to current conditions and LADOTD standards. Reran the SIDRA operational analysis and directed updates to the intersection geometry, survey and SUE information, drainage and hydraulic design, pavement and geotechnical recommendations, utility relocations, street lighting, right-of-way maps, and preliminary and final plans. Coordinated Ascension Parish, LADOTD, utility providers, and the multidisciplinary design team; led utility-coordination and plan-in-hand meetings; and resolved roadway-profile and drainage revisions needed to avoid an existing waterline. Performed senior QA/QC of the categorical exclusion, traffic and drainage reports, constructability review, plans, and design exceptions; addressed LADOTD comments; and coordinated the 95% and final design submittals through signed revisions.
05/25-Ongoing	LADOTD Contract No. 4400030052 – IDIQ Roadway Design Services with Majority of the Work in Districts 03 & 07 - Current Task Orders Served as Principal and Senior QA/QC Reviewer for three roadway-design task orders: H.015484.5 LA 1162: Keith Duplechin Road–LA 29, H.015966.5 LA 3233 R-Cut at the I-49 South Interchange, and H.014842.5 LA 3184: LA 3025–I-10. Provided executive oversight, senior technical guidance, and quality reviews for gravel-road paving, interchange access improvements, and roadway rehabilitation and preservation. Participated in project initiation, field and resource meetings, and ongoing coordination with LADOTD and the design teams. Reviewed conceptual layouts, preliminary and final plans, advanced check prints, submittals, and responses to LADOTD comments; guided resolution of design and review issues; and provided oversight related to project scope, schedules, subconsultant participation, and potential contract modifications.
Career History	Dax Douet is a Louisiana-registered civil engineer and Engineering Director with 30 years of experience delivering transportation infrastructure. He has more than 10 years of experience in responsible charge of roadway design, serving as Project Manager, Lead Design Manager, Lead Roadway Engineer, and Engineer of Record for complex LADOTD and local widening, interchange, roundabout, drainage, access, utility, and traffic-control projects. As Fenstermaker’s Principal on the Neel-Schaffer team, Dax will provide senior roadway oversight, technical guidance, and QA/QC through preliminary and final plan development.



16. STAFF EXPERIENCE

	Firm employed by C. H. Fenstermaker & Associates, L.L.C.					
	Name	Ian Trahan, PE			Years of experience with this firm/employer	6
	Title	Manager, Engineer			Years of experience with other firm(s)/employer(s)	24
	Degree(s) / Years / Specialization			BS / 1997 / Civil Engineering		
	Active registration number / state / expiration date			PE.0031410 / LA / 03.31.27		
	Year registered	2004	Discipline	Civil Engineer		
	Contract role(s) / brief description of responsibilities			Senior Roadway Engineer; Utility, Access, and Traffic-Sequencing Coordination		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
11/23- Ongoing	Hangar Road Extension & LA HWY 3212 Improvements (Iberia Parish, LA) Served as a Project Engineer / Lead Design Engineer for the extension of Hangar Drive to LA 3212, including improvements to the state highway and a modern roundabout at Hangar Drive, the realignment of Leon Landry Road, and new left-turn lanes serving industrial facilities. Coordinated Iberia Parish Government, LADOTD, design disciplines, utilities, property owners, and the contractor. Led geometric and drainage design and review, including splitter-island revisions, roundabout grading and drainage, pavement joint layouts, design waivers, hydraulic calculations and reporting, right-of-way requirements, utility relocations, temporary traffic control, and detour sequencing. Managed responses to LADOTD review comments, reviewed plan revisions, transmitted the 100% final plan submittal, and supported construction through progress meetings and field-driven design revisions.					
02/25-Ongoing	LA 93 Roadway Improvements (Lafayette Parish, LA) Served as Lead Roadway Design Engineer for the widening of LA 93 north of the I-10 Exit 97 westbound ramp to a four-lane boulevard and constructing roundabouts at the westbound ramp terminal and Renaud Drive. Led and reviewed roadway design for the two roundabouts, LA 93, Renaud Drive, I-10 ramps, frontage roads, and connecting roadways. Work included high-speed roundabout approach geometry; WB-67 swept-path analysis using AutoTURN; horizontal and vertical alignments; superelevation; typical sections; ADA ramps; driveways and access connections; and design waivers. Coordinated responses to LADOTD traffic and geometric review comments and the development of the 30% and 60% preliminary plans. Also coordinated survey, utility, geotechnical, pavement, and drainage design and has performed drainage analyses, established roadway and ditch profiles, and coordinated roadway elevations and hydraulic criteria within the project’s floodplain.					
10/21-Ongoing	Old Spanish Trail and Evergreen Intersection Improvements (Calcasieu Parish, LA) Served as Project Manager / Lead Design Engineer for intersection improvements that include an additional dedicated turn lane, drainage modifications, utility relocations, traffic control, and construction sequencing. Coordinated with Sasol, Calcasieu Parish, the design team, and utility providers and led the completion of the final design. Reviewed and revised the roadway and drainage plans to address updated Parish requirements, including drainage structures, pipe sizes and elevations, ditches and swales, roadway profiles and cross sections, pavement markings, signing, typical sections, and sequence of construction. Also coordinated right-of-way and easement requirements and the relocation of water, sewer, electric, telecommunications, and other utilities; reviewed quantities, cost estimates, and technical specifications; and completed the responsible-charge review and final sealed plan submittal.					

02/22-Ongoing	Old Spanish Trail & Trousdale Intersection Improvements (Calcasieu Parish, LA) Served as Project Manager / Lead Design Engineer for the design and construction inspection services for improvements to the Old Spanish Trail and Trousdale Road intersection, including revised turn-lane storage and taper geometry. Managed coordination with Calcasieu Parish, utility providers, permitting agencies, survey personnel, and the design team and has responsible charge for the final plans. Led revisions addressing updated Parish requirements, including roadway profiles and vertical alignment, typical sections, geometric details, drainage, water-main relocation, right-of-way and easements, pavement marking and signing, erosion control, quantities, and limits of construction. Evaluated traffic-impact-analysis findings and turn-lane requirements; developed sequence-of-construction and temporary traffic-control plans using AutoTurn analysis for lane closures; coordinated final plans, estimates, schedules, and technical specifications; and prepared permit documents for LDH.
05/22-08/22	Coach Williams Boulevard Extension (Calcasieu Parish, LA) Served as the Drainage Design Engineer for this roadway project that extended Coach Williams Boulevard approximately three miles to LA 379 as a two-lane urban collector with open-ditch drainage and a modern roundabout at Old Spanish Trail. Performed detailed drainage design for the canal diversion and related ditch relocation. Evaluated alignments and typical sections, verified channel-bottom elevations, calculated canal capacities at incremental water-surface elevations, and confirmed that three 60-inch pipes could convey the 50,000-gallon-per-minute design flow. Also evaluated downstream velocities for turbidity-curtain requirements and coordinated the canal tie-in, roadway shoulder drains, sheet-pile tie-rod clearances, spill-prevention measures, and affected plan revisions with Calcasieu Parish, SRA representatives, the contractor, survey personnel, and the CAD team. Completed final quality-control review and stamped the revised design sheets.
06/17-12/19	Ford Street Extension (East Baton Rouge Parish, LA) Served as the Engineering Manager and Engineer of Record for civil design and construction for the drainage design for the Ford Street Extension, a curb and gutter boulevard roadway from Howell Boulevard to Plank Road. Responsibilities included development of the existing and proposed drainage maps, sub-surface storm sewer design, inlet spacing, and sizing the required structure to accommodate design flows of an existing lateral of Monte Sano Bayou.
01/17-06/19	South Claiborne Avenue Realignment (New Orleans, LA) Served as the Engineering Manager and Engineer of Record for the design of the realignment of South Claiborne Avenue for the Sewage and Water Board of New Orleans' Water Hammer Mitigation project. Responsibilities included all demolition, erosion control, roadway typical sections, roadway horizontal and vertical alignments, sidewalks and ADA ramps, grading, storm drainage, erosion control, pavement marking, roadway signing, and construction details.
09/00-04/04	Interstate 74 Reconstruction (Peoria, IL) Served in responsible charge of roadway design for a two-mile segment of an eight-mile interstate reconstruction project. The segment included major interchanges at Gale and University avenues and four overpasses. Designed interstate and ramp horizontal and vertical geometry, temporary widening for staged construction, drainage, pavement markings, and maintenance of traffic. Also led designers and CAD technicians through all phases of design.
Career History	Ian Trahan is a Louisiana-registered professional civil engineer with more than 10 years of experience in responsible charge of roadway design. His transportation experience includes roundabouts, roadway widening and realignment, turn lanes, interchange improvements, roadway geometry, storm drainage, utility relocations, right-of-way coordination, traffic control, and construction-phase support. Ian currently leads roadway design for the LA 93 improvements and has managed intersection projects at Old Spanish Trail and Evergreen Road and Old Spanish Trail and Trousdale Road in Calcasieu Parish. As Senior Roadway Engineer on the Neel-Schaffer team, he will coordinate roadway design with utility, access, right-of-way, and traffic-sequencing requirements.



16. STAFF EXPERIENCE

	Firm employed by C. H. Fenstermaker & Associates, L.L.C.					
	Name	Austin Doucet, PE, CFM			Years of experience with this firm/employer	9
	Title	Manager, Engineer			Years of experience with other firm(s)/employer(s)	0
	Degree(s) / Years / Specialization			BS / 2019 / Civil Engineering		
	Active registration number / state / expiration date			PE.0048642 / LA / 09.30.26		
	Year registered	2024	Discipline	Civil Engineer		
	Contract role(s) / brief description of responsibilities			Roadway and Drainage Design; Local Agency and Utility Coordination		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
07/24-Ongoing	Ham Reid Road Extension (Phases I and II) (Calcasieu Parish, LA) Served as the Project Manager for this two-phase transportation project, which created a one-mile roadway corridor with a two-lane boulevard section, roundabout improvements, including a two-lane concrete roundabout at Nelson Road and Ham Reid Road, subsurface drainage, street lighting, landscaping, and a 4,700-foot shared pedestrian and bicycle facility. Coordinated final-plan and LADOTD review, right-of-way documentation, public-meeting planning and materials, utility relocations, bidding, construction sequencing, and construction-phase issues with Calcasieu Parish, the City of Lake Charles, utility owners, consultants, contractors, and inspectors.					
11/17-11/21	Coach Williams Drive Extension and Roundabout (Calcasieu Parish, LA) Served as the Project Manager and oversaw construction administration for this transportation project extending Coach Williams Drive approximately three miles to Houston River Road (LA 379), including a modern roundabout at Coach Williams Drive and Old Spanish Trail. Reviewed plans, specifications, quantities, and drainage-related revisions; coordinated submittals, RFIs, testing documentation, inspection reports, pay quantities, change orders, and field issues; and participated in Parish progress meetings, roundabout field reviews, and detour-road walkthroughs.					
07/17-06/24	Apollo Road (LA 93) Extension and Roundabout (Lafayette Parish, LA) Served as the Design Engineer provided roadway and drainage design for the project’s roadway and drainage design and construction-phase support involving approximately 2.2 miles of four-lane, median-divided boulevard, a roundabout, J-turn intersections, six-foot sidewalks, utility relocations, and major drainage improvements. Responsibilities included J-turn and left-turn-lane design, AutoTurn evaluations, sight-triangle development, roundabout grading and subsurface drainage, inlet spacing, open-ditch and culvert analyses, hydrologic and hydraulic modeling, drainage reports and plans, quantities, cost estimates, and specifications. Also coordinated utility-conflict resolution, addressed LADOTD and internal QA/QC comments, designed temporary detour-road drainage, reviewed submittals, and supported construction administration, change orders, and project closeout.					
08/24-Ongoing	McGuire Road Drainage Repair (Calcasieu Parish, LA) Served as the Project Manager for the drainage design and plan development. Responsibilities included existing and proposed drainage analysis, subsurface drainage design, temporary access and detour-road coordination, plan and specification review, right-of-way and utility coordination, environmental permitting, and resolution of field and design issues with the Parish, surveyors, consultants, and utility owners.					
Career History	Austin Doucet serves as Fenstermaker’s Lake Charles Office Manager and manages transportation and infrastructure assignments for the Calcasieu Parish Police Jury. His experience includes roadway widening and extensions, roundabouts, drainage, utilities, traffic maintenance, public meetings, construction-phase coordination, and project closeout. Austin served as Design Engineer for the Apollo Road Extension and currently manages the Coach Williams Drive and Ham Reid Road transportation projects. On the Neel-Schaffer team, he will support roadway and drainage design and provide local agency, utility, and public-meeting coordination informed by his extensive Calcasieu Parish experience.					



16. STAFF EXPERIENCE

	Firm employed by C. H. Fenstermaker & Associates, L.L.C.					
	Name		Aimee Latiolais, PE		Years of experience with this firm/employer	11
	Title		Engineer II		Years of experience with other firm(s)/employer(s)	1
	Degree(s) / Years / Specialization			BS / 2014 / Civil Engineering		
	Active registration number / state / expiration date			PE.0042932 / LA / 03.31.27		
	Year registered	2018	Discipline	Civil Engineer		
	Contract role(s) / brief description of responsibilities			Roadway 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).				
05/18-Ongoing		H.011235.5 Verot School Road Interchange at U.S. Highway 90 (Lafayette Parish, LA) Served as Deputy Project Manager and Roadway Design Engineer for this \$127 million LADOTD project involving a new access-controlled interchange at US 90 (Future I-49 South) and Verot School Road. Responsibilities included horizontal and vertical alignments, typical sections, protected left-turn and roundabout geometry, AutoTURN evaluations, turnouts and driveways, roadway modeling, striping, limits of construction, and right-of-way and servitude requirements. Also performed storm sewer and outfall design, inlet spacing and pipe sizing, hydraulic calculations, and drainage report development. Coordinated internal staff and design partners, organized technical reviews and design tasks, addressed LADOTD comments, and managed roadway and drainage deliverables through the 100% preliminary, 60% final and 95% final plan stages.				
01/16-03/23		Kaliste Saloom Road Widening & Intersection Improvements – LA 3073 to LA 733 (Lafayette Parish, LA) Served as Roadway and Drainage Engineer and Construction Administrator for this multiphase widening of a heavily traveled urban corridor within constrained right-of-way while maintaining traffic. Revised roundabout and slip-lane geometry to updated LADOTD and FHWA criteria; developed SIDRA models and the roundabout justification report; designed subsurface drainage, inlets, pipes, and outfalls; performed hydraulic modeling; and coordinated driveway connections and water, sewer, electrical, and fiber conflicts. Prepared plan-and-profile sheets, quantities, bid documents, final plans, LADOTD comment responses, and sequence-of-construction and detour plans. During construction, resolved RFIs and field issues, reviewed submittals and change orders, coordinated traffic shifts, and supported public meetings, inspections, and project closeout.				
03/16-06/24		Apollo Road (LA 93) Extension and Roundabout (Lafayette Parish, LA) Served as Roadway and Drainage Design Engineer for this \$15 million project involving approximately 2.2 miles of four-lane, median-divided boulevard. Responsibilities included horizontal and vertical alignments, roadway surfaces, roundabout geometry, SIDRA and AutoTURN analyses, typical sections, joint layouts, driveways and median openings, striping, signage, and right-of-way and utility review. Also developed inlet spacing, drainage maps, subsurface and open channel drainage improvements, sequence of construction and detour plans, specifications, quantities, cost estimates, and bid documents. Coordinated plan production and technical reviews, addressed LADOTD and internal QA/QC comments, reviewed and signed final plans, and supported later turn-lane, U-turn loon, driveway-access, and construction-phase revisions through project closeout.				
Career History		Aimee Latiolais has 12 years of experience in roadway and drainage design, plan development, project coordination, and construction administration for LADOTD and local transportation projects. She has led design tasks involving roadway geometry, roundabouts, subsurface drainage, utilities, maintenance of traffic, and preliminary and final plans. As Fenstermaker’s Roadway Design Lead on the Neel-Schaffer team, Aimee will coordinate roadway and drainage design, access, utilities, traffic sequencing, plan development, and LADOTD reviews.				

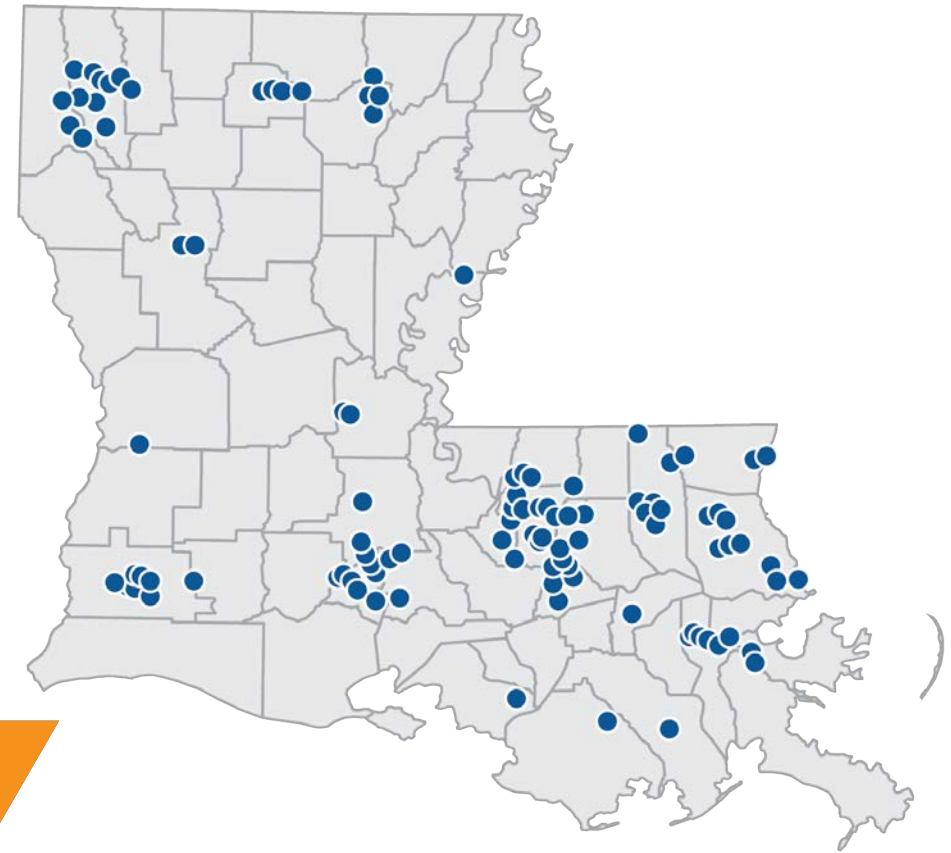


16. STAFF EXPERIENCE

	Firm employed by C. H. Fenstermaker & Associates, L.L.C.				
	Name	Anna Doucet, MBA, PE		Years of experience with this firm/employer	11
	Title	Manager, Engineer		Years of experience with other firm(s)/employer(s)	0
	Degree(s) / Years / Specialization		MBA / 2025 / Business Administration, BS / 2014 / Civil Engineering		
	Active registration number / state / expiration date		PE.0043469 / LA / 09.30.27		
	Year registered	2019	Discipline	Civil Engineer	
	Contract role(s) / brief description of responsibilities		Roadway and Drainage Design; Plan Development		
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).				
02/16-06/24	Apollo Road (LA 93) Extension and Roundabout (Lafayette Parish, LA) Served as the Project Manager and Design Engineer and provided roadway and drainage design and plan-development support before serving as one of the project managers for this \$15 million project involving approximately 2.2 miles of four-lane, median-divided boulevard, a roundabout, J-turn intersections, sidewalks, utility relocations, and major drainage improvements. Responsibilities included roundabout sight-triangle and design-criteria review; horizontal and vertical alignment, grading, sidewalk, cross-section, striping, and joint-layout revisions; drainage-calculation QC; and coordination of LADOTD comments and final-plan submittals. Also managed utility and permit coordination, bidding and addenda, construction RFIs and change orders, sequencing and field issues, and project closeout through the June 2024 closeout meeting.				
04/15-03/24	Coach Williams Drive Extension and Roundabout (Calcasieu Parish, LA) Served as the Project Manager and Design Engineer and provided roadway, roundabout, and drainage design before transitioning into project management for this \$17.7 million project extending Coach Williams Drive approximately three miles to Houston River Road (LA 379). Design responsibilities included horizontal and vertical alignments, roadway modeling and cross-sections, roundabout geometry and grading, truck aprons, sight triangles, joint layouts, drainage basins and profiles, culverts and swales, striping and signage, erosion control, quantities, cost estimates, and sequence-of-construction planning. Also coordinated right-of-way, survey, utilities, environmental permitting, plan reviews, and final-plan development. Managed RFIs, change orders, pay quantities, inspection documentation, field and drainage issues, permit and utility coordination, project meetings, roundabout opening, and final closeout during the project’s construction phase.				
06/17-01/24	Ham Reid Road Extension (Phases I and II) (Calcasieu Parish, LA) Served as Drainage Design Engineer and provided drainage design and plan-development support for this two-phase transportation project involving a new boulevard corridor, roundabout improvements, subsurface drainage, and a shared pedestrian and bicycle facility. Responsibilities included inlet-spacing and storm-sewer analyses, existing and proposed basin delineation, runoff calculations, ditch and culvert sizing, drainage maps and profiles, and preparation of the drainage report and supporting figures. Coordinated drainage solutions near pipeline and wetland constraints, directed CADD updates, and performed QA/QC of drainage plan-and-profile sheets and storm-sewer results for consistency with the design model and plans.				
Career History	Anna Doucet has 11 years of experience in roadway and drainage design, plan development, hydrologic and hydraulic modeling, project management, and construction-phase coordination. Her transportation experience includes roadway alignments and grading, roundabout design, subsurface and open-channel drainage, utility and permitting coordination, final plans, bidding, and project closeout. On the Neel-Schaffer team, Anna will apply experience gained through Apollo Road and the Calcasieu Parish Coach Williams Drive and Ham Reid Road projects to support roadway and drainage design and preliminary and final plan development.				



Our transportation design group included in this SOQ has experience providing the services included in the scope of work throughout the state and in the southeast US. In addition, we have provided services like this for every parish in Louisiana. The graphic shows our recent DOTD road design experience.



Section 17

Contract No. 4400035806

**LA 384 (BIG LAKE RD TO MCNEESE ST)
ROUTE: LA 384, CALCASIEU PARISH**

“NS effectively and proactively controlled the contract. When additional scope was added to the contract, the consultant coordinated effectively with the Department’s project manager to identify critical path tasks. The consultant completed these tasks in a timeframe which allowed the scheduled letting date to remain unaffected even with the increased scope.”

– DOTD Performance Review

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

– DOTD Performance Review

17. FIRM EXPERIENCE

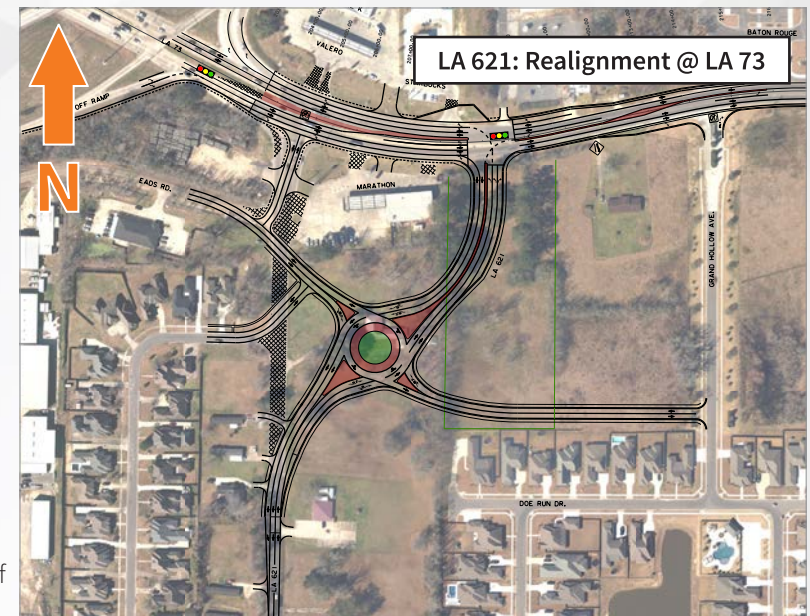
Firm Name	Neel-Schaffer, Inc.		Discipline(s)*	Traffic, Road
Project name	IDIQ for Road Design Projects		Firm responsibility (prime or sub?)	Prime
Project number	H.0144366, H.015226		Owner's name	LADOTD
Project location	Calcasieu and Ascension Parishes		Owner's Project Manager	Catherine Mastin, Mohammad 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. (NS) 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. NS will provide all services required to complete the construction plan set. These services include **traffic design, traffic control design, traffic signal analysis and design, hydraulic analysis and design, transportation management plans**. In addition to plan development, **cost estimates**, special provisions write ups, quality plan reviews, and construction support are provided. NSI is willing to assist in public, stakeholder meetings and provide documents needed for the environmental process.

The task orders under this contract are as follows:

- 1.) US 90: Roundabout at LA 101 (Calcasieu) (SPN. H.015226);** This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design.
- 2.) LA 621: Realignment at LA 73 (Ascension) (SPN. H.014366);** This project will widen LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multi-lane roundabout and **J-turn intersection with U-turns** to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621.
- 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa) SPN. H.009425.5;** Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000' east of Duncan Avenue.
- 4.) H.016158: LA 182: US 90 - Greenwood St. Overpass;** 3 miles of pavement rehabilitation along LA 182 from the Westbound Exit Ramp to the Greenwood St. Overpass, located in Morgan City, LA. The scope of work includes pavement patching, 4" mill and overlay, roadway reinforcing mesh, curb ramps at existing driveways and turnouts, guardrail and embankment at overpass.
- 5.) H.015640 LA 150 & LA 818: Roundabout;** Project will convert existing intersection to single lane roundabout intersection.

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



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

Project Relevance:

- ✓ Preliminary and Final Plans
- ✓ J-Turn intersection with U-turns
- ✓ Plan Quality Assurance
- ✓ Includes Safety Improvements
- ✓ Safety improvements
- ✓ Traffic Analysis and Safety Analysis

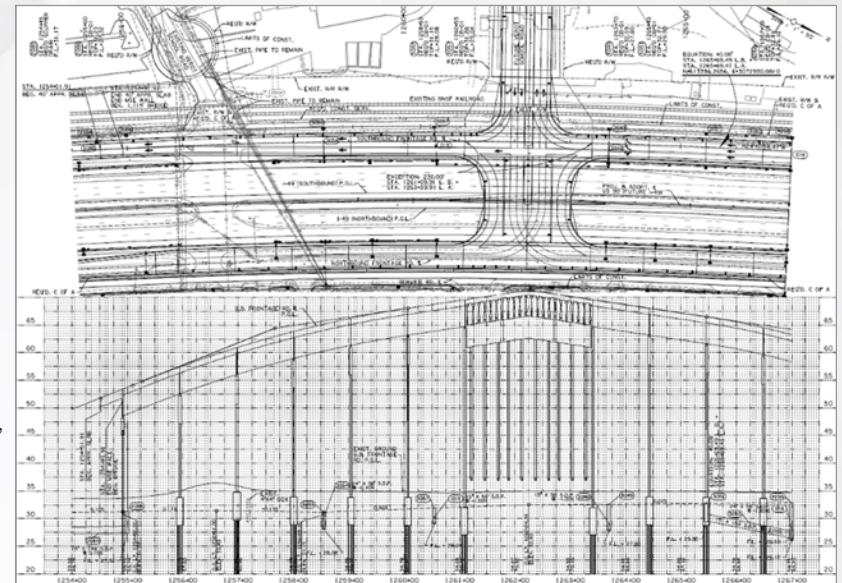
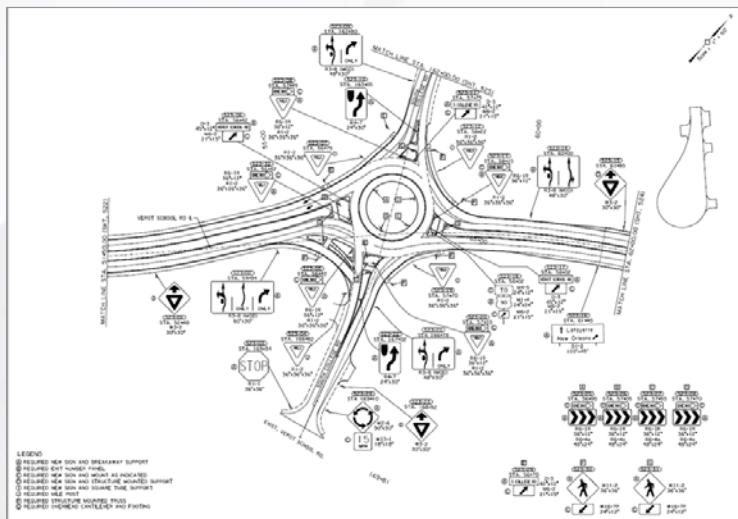
17. FIRM EXPERIENCE

Firm Name	Neel-Schaffer, Inc.	Discipline(s)*	Traffic, Road, Bridge
Project name	I-49 South at 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.

NS is providing **roadway design services for the proposed interstate, frontage roadways, and associated drainage**. NS 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. Our subconsultant, C. H. Fenstermaker & Associates, L.L.C., provided the design for Verot School Road and the service road.

Firm Members: Nick Ferlito, Dishili Curry, Mai Nguyen, Jonathan Duhe, Ellen Howard, Charles Adams, Jacob Thiaville, Ryan Lam, Steve Perault, Dax Douet, Aimee Latiolais



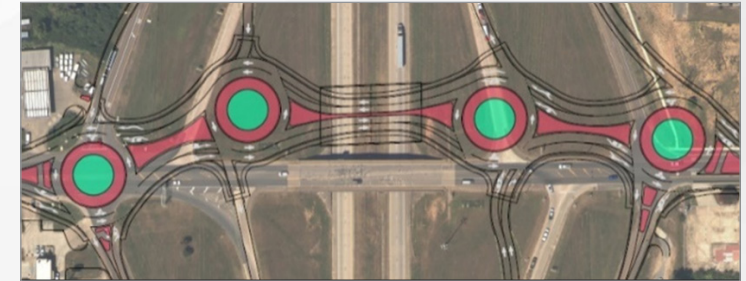
Project Relevance:

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

17. FIRM EXPERIENCE

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

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



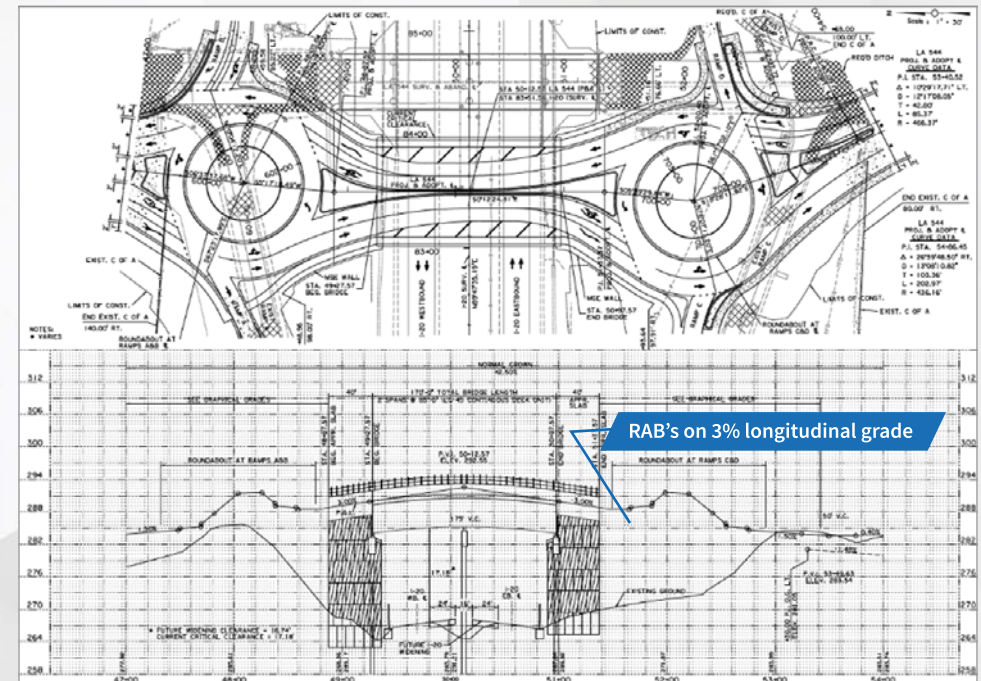
Challenges:

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

Solutions:

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

Firm Members: Dishili Young, Mai Nguyen, Chance Shuckrow, Scott Andrepont, Josh Schexnider, Steve Perault, Kirk Gailen, 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 Curry, Chance Shuckrow, Scott Andrepont, Mai Nguyen

Project Relevance:

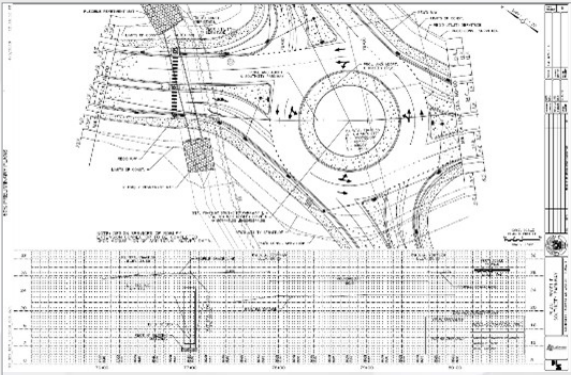
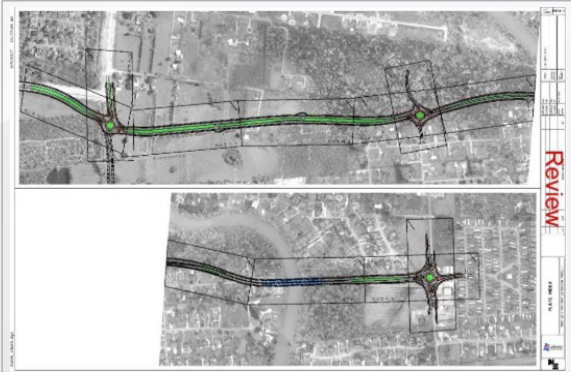
- ✓ Includes three multilane roundabouts (RAB's) with PCCP
- ✓ Construction Phasing completed under traffic (no detours)
- ✓ Utility avoidance
- ✓ Close coordination with local entity and stakeholders



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

17. FIRM EXPERIENCE

Firm Name	Neel-Schaffer, Inc.		Discipline(s)*	Traffic, Road, Bridge
Project name	Southcity Parkway, Road design, Traffic Study, and Bridge Design		Firm responsibility (prime or sub?)	Prime
Project number	H.500-15-082/PO 156297		Owner's name	Lafayette Consolidated Government
Project location	Lafayette, LA		Owner's Project Manager	Mitchell P. Wyble, PE
Owner's address, phone, email	P.O. Box 4017 - C, Lafayette, LA 70502; 337.291.8542 mhollier@lafayetteLA.gov			
Services commenced by this firm (mm/yy)	11/15	Total consultant contract cost (\$1,000's)	\$750	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$750	

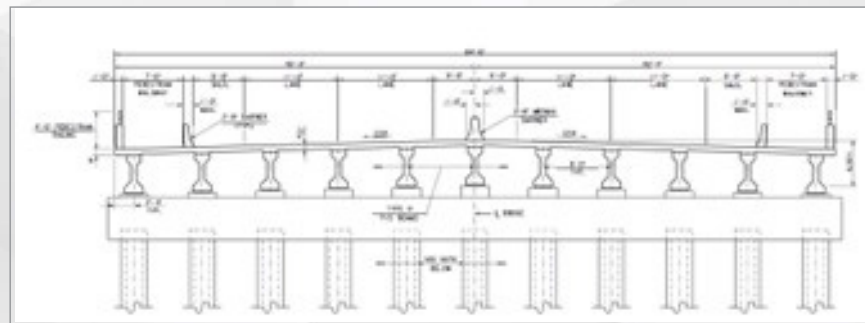


Southcity Parkway will provide a new 1.8-mile, four-lane median-divided roadway connecting US 167 (Johnston Street) with Kaliste Saloom Road, including **U-Turns, J-turns, and a new fixed span bridge crossing** of the Vermilion River. NS is providing design services, which include roadway, bridge, and drainage design. The roadway design is in conformance with LADOTD guidelines, utilizing MicroStation and InRoads.

NSI completed the Environmental Assessment (EA), technical studies, line and grade, roadway and bridge design, established US Coast Guard navigation clearances, completed a hydrologic and hydraulic (H&H) analysis for the proposed Vermilion River bridge crossing, obtained the no-rise certification, and conducted H&H analyses for each drainage crossing and the overall roadway drainage system. The road design was completed using InRoads and MicroStation. The Vermilion River bridge crossing was analyzed using a one-dimensional unsteady flow model developed in HEC-RAS software. Roadway drainage for the 2-mile corridor was analyzed using LADOTD software. Peak flows were determined using the rational method, with considerations for future development.

The results were summarized in a technical report. In addition to design services, NSI is also providing environmental planning (Environmental Assessment, USCG permit, navigation studies), completed public involvement, developed traffic forecasts, conducted traffic analysis, and will provide construction services.

Firm Members: Dishili Young, Mai Nguyen, Chance Shuckrow, Scott Andrepont, Charles Adams



Project Relevance:

- ✓ Includes U-turns and bulbouts
- ✓ Road design, traffic and lighting
- ✓ Designed to DOTD guidelines
- ✓ Similar SOW

17. FIRM EXPERIENCE

Firm Name	C. H. Fenstermaker & Associates, L.L.C.		Past Performance Evaluation Category(ies)*	Road
Project name	Kaliste Saloom Road Widening & Intersection Improvements, LA 3070 to LA 733		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	Lafayette Consolidated Government
Project location	Lafayette Parish, LA		Owner's Project Manager	Warren Abadie, PE
Owner's address, phone, email	1515 E University Avenue, Lafayette, LA 70501, (337) 291-8548, WAbadie@LafayetteLA.gov			
Services commenced by this firm (mm/yy)	10/08	Total consultant contract cost (\$1,000's)	\$6,160	
Services completed by this firm (mm/yy)	06/23	Cost of consultant services provided by this firm (\$1,000's)	\$3,561	

Fenstermaker provided full-service engineering, including survey, right-of-way, roadway and drainage design, utility coordination, and CE&I, for the \$35 million widening of approximately 1.7 miles of Kaliste Saloom Road, a major urban arterial in a high-growth, high-traffic corridor.

The project widened an existing two-lane roadway to a five-lane concrete section within a constrained, developed environment while maintaining traffic throughout construction. Fenstermaker performed a line-and-grade study to evaluate alignment and widening alternatives and minimize impacts before final design. This work is directly relevant to the LA 384 corridor widening and intersection improvement program.

Fenstermaker integrated roadway, drainage, structures, and utilities to address existing conflicts and support future expansion. Hydraulic analyses and a floodplain no-rise evaluation supported design of a 345-foot bridge crossing and subsurface drainage improvements, demonstrating experience coordinating corridor design with complex hydraulic requirements.

Utility coordination was critical to project delivery. Fenstermaker designed relocation of approximately 1,200 linear feet of 6- to 12-inch waterlines and 4,230 linear feet of 21-inch gravity sewer installed by open-cut and trenchless methods. Early identification and resolution of conflicts maintained service continuity and supported phased construction.

The project also included a multilane roundabout, sidewalks, and bicycle accommodations.

Fenstermaker's integrated approach addressed roadway operations, multimodal access, maintenance of traffic, drainage, and utility conflicts within a heavily traveled urban corridor, all key considerations for widening LA 384 and implementing intersection and Complete Streets improvements.

Firm Members: Anna Doucet, Austin Doucet, Dax Douet, Josh Laborde, Aimee Latiolais

Project Relevance:

- ✓ Carries more than 25,000 vehicles per day
- ✓ Required phased drainage construction within constrained right-of-way

**2021 ACEC Honor Award Recipient
for Category H: Transportation**



17. FIRM EXPERIENCE

Firm Name	C. H. Fenstermaker & Associates, L.L.C.		Past Performance Evaluation Category(ies)*	Road
Project name	Ham Reid Road Extension		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	Calcasieu Parish Police Jury
Project location	Calcasieu Parish, LA		Owner's Project Manager	Lee J. Skellham, PE
Owner's address, phone, email	1015 Python Street, Lake Charles, LA 70601 (337) 721-4100 lskellham@calcasieu.gov			
Services commenced by this firm (mm/yy)	09/14	Total consultant contract cost (\$1,000's)	\$2,491	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$1,397	

The two-phase, \$11.1 million Ham Reid Road Extension created a one-mile asphalt roadway corridor with a two-lane boulevard section, roundabout improvements, walkability features, and green infrastructure. Project layout considered access management and connections to local roads, details directly relevant to the operational, safety, and access-control objectives of the LA 384 corridor.

Fenstermaker coordinated with landscape architects to develop 4,700 feet of meandering, eight-foot-wide sidewalk through bioswales, detention areas, tree canopy, and other green infrastructure. The shared pedestrian and bicycle facility connects schools, churches, golf courses, and neighborhoods. Fenstermaker also hosted public meetings and used hands-on exhibits to communicate future conditions.

Fenstermaker provided engineering design and surveying for the roundabout at Nelson Road and Ham Reid Road. The work replaced an existing signalized intersection with a two-lane concrete roundabout and included sidewalks, subsurface drainage, and street lighting. The project limits extended approximately 800 feet along each roadway and required conversion of multiple existing roadway sections into a five-lane concrete approach and roundabout configuration. Fenstermaker also provided CE&I.

The corridor parallels a 150-foot utility easement containing a transmission line, four major high-pressure pipelines, and telecommunications facilities. The proposed alignment crossed the easement twice to provide local-road connections while minimizing additional access points.

Fenstermaker coordinated with each utility owner to meet individual encroachment requirements, including a minimum 30-degree crossing angle for a major pipeline. The roadway alignment and drainage design were adjusted to resolve these constraints. The project demonstrates relevant experience with intersection redesign, access management, Complete Streets elements, lighting, drainage, public involvement, and complex utility coordination in Calcasieu Parish.

Firm Members: Anna Doucet, Austin Doucet, Dax Douet, Aimee Latiolais



Completed roadway featuring landscaped medians that enhance both roadway safety and corridor aesthetics.

17. FIRM EXPERIENCE

Firm Name	C. H. Fenstermaker & Associates, L.L.C.		Past Performance Evaluation Category(ies)*	Road
Project name	Apollo Road (LA 93) Extension and Roundabout		Firm responsibility (prime or sub?)	Prime
Project number	N/A		Owner's name	City of Scott
Project location	Lafayette Parish, LA		Owner's Project Manager	Jan-Scott Richard
Owner's address, phone, email	125 Lions Club Road, Scott, LA 70583. (337) 349-7591, jrichard@cityofscott.org			
Services commenced by this firm (mm/yy)	07/11	Total consultant contract cost (\$1,000's)	\$3,654	
Services completed by this firm (mm/yy)	03/24	Cost of consultant services provided by this firm (\$1,000's)	\$3,294	

This \$15 million construction project created approximately 2.2 miles of four-lane, median-divided boulevard with six-foot sidewalks, providing a major transportation connection for the Acadiana region. Fenstermaker prepared preliminary and final roadway design plans and provided utility relocation coordination, land acquisition services, right-of-way and parcel plats, agency coordination, wetland delineation and permitting, bid and contract administration, and construction engineering and inspection services.

The project improved traffic flow, access to schools, walkability, and emergency connectivity along a designated hurricane evacuation route. The roadway was elevated above the Base Flood Elevation, and major drainage improvements were incorporated to support long-term corridor performance and resilience.

Capacity and safety improvements at Apollo Road and US 90 required modifications to an existing railroad crossing. Fenstermaker coordinated with LADOTD and BNSF Railway through meetings, field visits, and bi-weekly coordination calls to confirm the feasibility and constructability of the intersection design while maintaining the project schedule.

Pedestrian safety was integrated into the roadway and drainage design. Where paved gutter drains were located adjacent to six-foot sidewalks, Fenstermaker incorporated barrier curbs to provide additional separation and protection for pedestrians.

Drainage features included a 27-foot-wide concrete arch and box culverts to manage stormwater and support the elevated roadway. The project demonstrates Fenstermaker's ability to coordinate roadway widening, intersection improvements, multimodal facilities, drainage structures, utilities, right-of-way, agency reviews, and construction-phase services for a complex urban corridor.

Firm Members: Anna Doucet, Austin Doucet, Dax Douet, Aimee Latiolais, Josh Laborde



Aerial construction progress of the J-turn intersections from initial preparation through concrete pavement placement

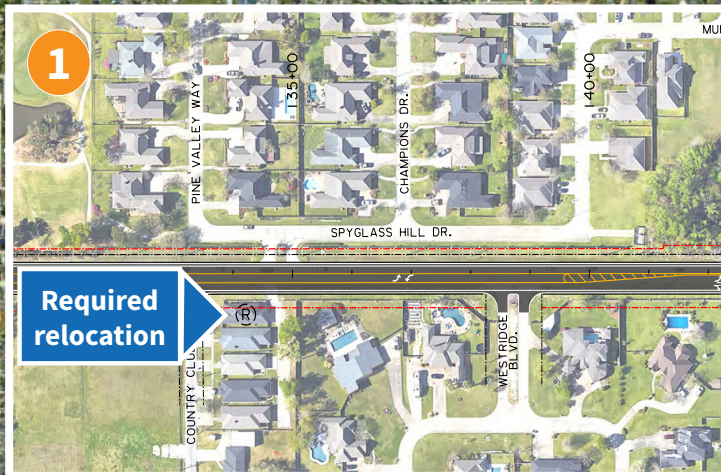
Existing Constraints Map

Concepts layouts completed by NS

KEY

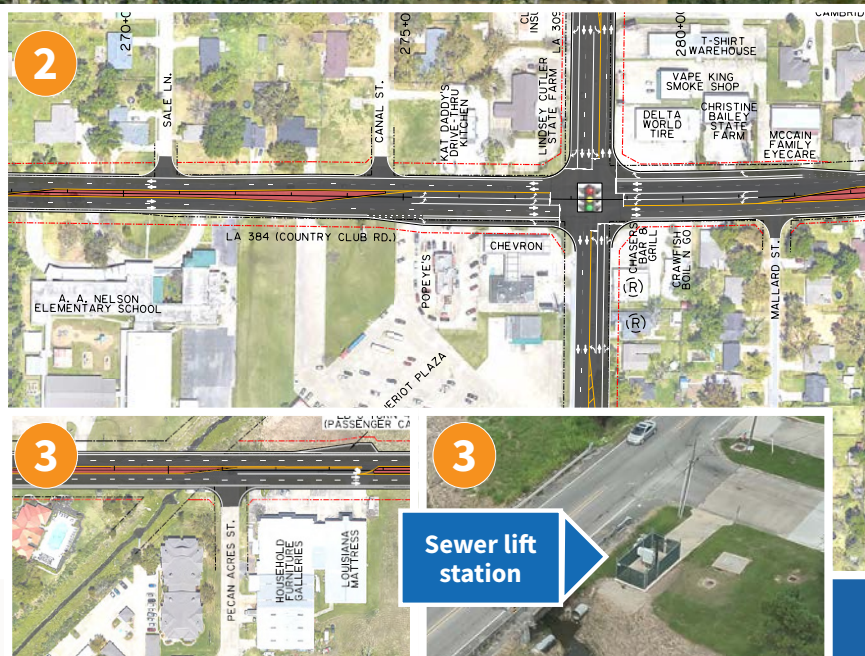
 Proposed roadway work

 Work with req'd ROW



Lake St.

Section 18



1 Relocation is required at Country Club Ct. and there are impacts to adjacent properties. Designing a shallow swale could reduce the required ROW by approximately 10 feet and remove any requirement for relocations.

2 At Lake St., relocations are required. Shifting the roadway alignment towards the west will prevent the relocations.

3 The design will impact a sewer lift station located near Pecan Acres St. A localized shift in the alignment to the north may allow for the project to avoid this impact by matching the existing southern edge of pavement.

18. APPROACH & METHODOLOGY:

We appreciate the opportunity to present our qualifications for the LA 384 corridor improvements from Big Lake Road to McNeese Street. Neel-Schaffer (NS) offers direct, project-specific knowledge of this corridor, **having completed both Stage 0 studies that established the foundation for the improvements included in this advertisement.** This prior work positions our team to transition efficiently from Stage 0 into Stage 3 design and through construction.

Our team has already provided traffic, safety, roadway design, public outreach, and drainage services for this corridor. Through that work, we have developed a clear understanding of the existing constraints within the project limits, which are identified on the existing constraints map provided on the **divider for Sections 18 and 19-23.**

The primary challenges for this project include utility relocations, right-of-way impacts, maintenance of traffic, and funding. Our design approach will focus on identifying opportunities (highlighted in this section as project-specific **Opportunities**) to reduce these impacts by refining the roadway section width, minimizing utility conflicts and right-of-way needs, and maintaining traffic throughout construction. Together, these refinements can help reduce the overall project cost. The following sections describe our experience with this corridor, opportunities to reduce impacts, project-specific challenges, and our proposed solutions.

Beyond feasibility studies, our team has design experience with turn lanes, U-turns, J-turns, roadway widening, bridge design, lighting design, landscaping design, and the other elements included in this scope of work. The following sections highlight this experience and describe our approach to successful project delivery. **Reference divider 17 for our DOTD project experience map.**

Corridor Evaluation Completed by Neel-Schaffer

NS has already completed substantial corridor evaluation work for this project, including the following tasks:

- Collected ADT data, TSI information, and crash data
- Completed field observations and project site visits
- Prepared traffic, safety, and HCS
- Evaluated existing conditions, constraints, and recommended alternatives
- Developed concept layouts and a construction phasing plan
- Completed the Stage 0 Feasibility Report, Environmental Checklist, Scope and Budget Checklist, Structural Site Survey and engineering probable cost estimate
- Conducted a NEPA-compliant public meeting.

The **divider for Sections 12–15** shows the NS phasing plan developed for this project. The plan supports phased construction as funding becomes available, providing taxpayers with near-term relief while future funding is secured.

PROJECT BACKGROUND

The purpose of this project is to improve mobility and safety along the LA 384 corridor between Lisle Peters Road and McNeese Street. The proposed improvements include a three-lane roadway

LOCATION	DESCRIPTION
LA 384 at Jefferson Drive	Phase 5
*Alternative 2	Signalized Intersection
LA 384 at LA 3092 (Lake Street)	Phase 1
Alternative 1	Signalized Intersection
LA 384 at Nelson Road	Phase 2A
*Alternative 1	Segment between Lake Street and Nelson Road
LA 384 at Nelson Road	Phase 2
Alternative 1	Signalized Intersection (Signal Modifications)
LA 384 at Weaver Road	Phase 3
Alternative 1b	Signalized Intersection (Signal Modifications)
LA 384 at Elliot Road/Ihles Road	Phase 4
Alternative 1	Signalized Intersection (Signal Modifications)
LA 384 at Prien Lake Road	Phase 6
Alternative 3	Partial R-Cut

Table 1: Proposed intersection improvements

section from Lisle Peters Road to Nelson Road, and a median-divided four-lane section from Nelson Road to McNeese Street. Intersection improvements will include signals, turn lanes, U-turns and J-turns. The proposed intersection improvements are summarized in **Table 1**. The proposed typical sections prepared by NS are shown on the **divider for Sections 1–11.**

Lisle Peters Road to Nelson Road: Three-Lane Proposed Section

The proposed three-lane section will be constructed using asymmetrical widening to the south, maintaining the existing northern edge of pavement to minimize impacts. This approach avoids impacts to Burleson-Duhon Cemetery (**see Figure 1**) and Consolata Cemetery and reduces effects on commercial properties north of LA 384, where buildings and parking are generally located closer to the roadway. While this approach minimizes impacts in some areas, additional right-of-



Figure 1: Burleson-Duhon Cemetery and Conaco Gas Station at Lisle Peters Road

way acquisition will be required near the Conoco Gas Station at Lisle Peters Road and residential properties between Country Club Court and S. Prien Lake Road. Impacts include a residential relocation, reduced business parking, loss of residential backyard area, and removal of pools, fences, and other improvements.

Project-Specific Opportunity 1: The current design is based on a 1-foot-deep swale with a total width of 14 feet

18. APPROACH & METHODOLOGY:

(see **Figure 2**). By reducing the swale depth to 6 inches and narrowing the width to 9 feet, the required right-of-way could be reduced by approximately 10 feet throughout the corridor. Additionally, locating high points at key constraint areas would allow for further reductions in right-of-way needs. This approach would enable the proposed right-of-way line to more closely align with existing property boundaries, eliminating the need for the residential relocation and reducing impacts to adjacent properties.

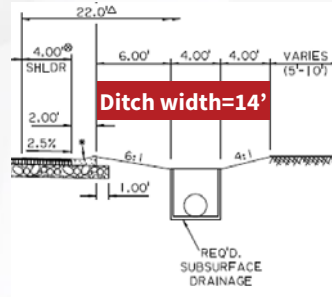


Figure 2: Stage 0 roadway section

Opportunity 2: At Elliott Road, shifting the proposed improvements for the southern leg approximately 5 feet to the west and optimizing drainage placement would eliminate impacts to the Walgreens parking area while preserving the proposed roadway improvements and operational benefits.

Opportunity 3: A similar adjustment which shifts the bulb-out between Weaver Road and Nelson Road west can reduce impacts to the ATM and sign at Investar Bank between Weaver Road and Nelson Road.

The project team will coordinate with impacted businesses, including Conoco and Checkers & Rally's, to maintain site access and operations. AutoTURN analyses will be performed to confirm adequate maneuverability for fuel delivery trucks, passenger vehicles, and drive-through traffic.

Two existing cross drains near W. Prien Lake Road (a single RCP cross drain to the west and a double-barrel RCP cross drain to the east) will be evaluated for structural condition and hydraulic capacity to determine whether they can be extended or require replacement as part of the roadway widening project.

Nelson Road to McNeese Street: Four-Lane Proposed Section

The proposed four-lane section will be constructed using symmetrical widening. Based on the Stage 0 layout, Household Furniture and Mattress near Pecan Acres Drive could lose a significant portion of its parking, while Crescent at Country Club Apartments has a building located within approximately 10 feet of the proposed right-of-way.

Opportunity 4: The project team will evaluate whether the right-of-way width can be reduced by reducing the width of the drainage section. The current design assumes that adjacent property drains towards the road. If adjacent properties drain away from LA 384 toward the nearby waterway, the roadway footprint and associated right-of-way impacts may be reduced.

Opportunity 5: Significant impacts are anticipated near Lake Street, where the proposed right-of-way extends close to existing fuel pumps and may result in two relocations. These impacts may be reduced by shifting the southern leg widening westward and transitioning through the LA 384 intersection to align with the northern leg of Lake Street.

This segment includes two bridges and a major box culvert. The box culvert will be evaluated to determine whether it can be extended or requires replacement. The evaluation will include review

of as-built plans, visual inspections, structural and hydraulic analyses, and the completion of as-designed bridge ratings utilizing AASHTOWare Bridge Rating software.

The two existing 18-ft × 18-ft slab-span bridges are currently proposed to be replaced with reinforced concrete box culverts (RCBs). However, both structures exhibit scour and shoulder erosion issues. Bridge No. 032256 has erosion at the northwest corner, while Bridge No. 032254 corners. Given these conditions and the po team recommends evaluating both bridge

A detailed hydraulic analysis will be performed to compare capacities against existing and proposed low-chord elevations and identify the most feasible long-term solution from hydraulic, structural, and cost perspectives. If a cost-effective bridge alternative is identified, it is assumed DOTD would consider its implementation. The evaluation will also address scour mitigation, drainage tie-ins, utility conflicts, and geotechnical considerations to ensure reliable long-term performance and integration with the overall roadway improvements.

 A major focus of the project will be constructability and maintenance of traffic (MOT). The bridge, roadway, drainage, traffic, and utility teams will develop and evaluate staging concepts, including phased construction, traffic shifts, and temporary detour bridges, to maintain traffic and minimize impacts during construction. The existing box culvert near Central Parkway will also be evaluated for hydraulic adequacy under proposed conditions and assessed for extension, structural capacity, and load rating requirements if impacted by the proposed improvements.

The corridor crosses two major watersheds and includes four primary drainage crossings, requiring roadway and drainage design to be developed concurrently. With Fenstermaker, our subconsultant, having developed the watershed models and supported drainage improvements along the corridor, the team has a strong understanding of the hydraulic constraints influencing the design. Crossing No. 1 is located within a FEMA regulatory floodway and will require an NFIP No-Rise Analysis. Crossing No. 3 affects repetitive-loss properties and will be coordinated with Fenstermaker's ongoing HMGP drainage improvement project for Gravity Consolidated Drainage District No. 2 to reduce flood impacts. Crossing No. 4, near Big Lake Road, consists of an undersized structure influenced by tailwater conditions and will require evaluation of both upstream and downstream hydraulic controls to develop an effective replacement strategy.

Utility relocations will be required throughout portions of the corridor, including potential conflicts with a sewer lift station at Pecan Acres Drive, CenterPoint gas pipelines, waterlines, AT&T fiber, and sewer lines. While acceptable clearances are anticipated for the gas facilities, coordination with utility owners will be required to minimize relocation impacts.



5. **Figure 3: Bridge and Sewer Lift station near Pecan Acres Drive**

18. APPROACH & METHODOLOGY:

Opportunity 6: A localized shift of the alignment to the north near Pecan Acres Drive may allow the project to avoid impacting the sewer lift station through a short segment of asymmetrical widening before returning to symmetrical widening. *See Figure 3*



The Lake Charles Urbanized Area 2045 Metropolitan Transportation Plan identifies the LA 384 corridor as needing capacity improvements, while the City of Lake Charles Bicycle and Pedestrian Master Plan recommends pedestrian enhancements within the project limits. Public comments also highlighted the need for pedestrian accommodations. Although sidewalks are not shown on the current Stage 0 layouts, they can be incorporated into the project during the design process with minimal to no additional impacts to adjacent properties.



Our team has extensive experience conducting NEPA-compliant public meetings for DOTD projects, including team members who have previously supported public outreach for this LA 384 project (*Figure 4*). We will leverage this experience to effectively plan and facilitate public meetings throughout the design phase.

The Stage 0 Report identifies LA 384 as a corridor with recurring operational and safety concerns, including LOSS 4 segments, recurring crash patterns (rear-end, right-angle, left-turn, right-turn, and sideswipe), constrained access, limited pedestrian facilities, and projected 2046 traffic demands supporting capacity and signal improvements. We will validate these findings using the Louisiana Crash Tool in CARTS and up to three years of crash data.



Signal warrant analyses will be conducted in accordance with MUTCD 2023, Section 4C, and a crosswalk report will be prepared for the eight intersections identified in **Table 1** in accordance with the DOTD Traffic Engineering Manual. The design will incorporate ADA-compliant curb ramps, sidewalk restoration, crosswalks, pedestrian signal heads, accessible pedestrian signals (APS), pedestrian clearance timing, and consideration for AA Nelson Elementary School and Dolby Elementary School, and safe pedestrian accommodations through work zones.

The project will include both permanent and temporary traffic signal designs, developed in accordance with DOTD's Traffic Signal Manual V3 (7-1-2020), applicable Standard Specifications and Standard Details, and the DOTD Traffic Signal Inventory Construction Plan V3.2 format.

APPROACH AND METHODOLOGY

Project Kickoff Meeting

NS will attend the kickoff meeting with the Project Manager, Entity, stakeholders, and project team to establish communication protocols, review schedules and submittal requirements, and confirm



Figure 4: NS LA 384 public meeting exhibit

project procedures. We will provide a project management plan, schedule, monthly progress reports, and ongoing coordination with the entity and stakeholders.

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

Our **roadway drainage design** will be completed in conformance with the DOTD Hydraulics Manual. We will utilize LADOTD HydroWIN software for open channel flow (Hydro1140), inlet spacing (Hydro6000), analysis of culverts (Hydro1120) and storm sewer system design (Hydro6020). HEC-RAS will be utilized to model the water surface profiles and calculate the scour depth should a bridge alternative be considered.



If **lighting design** is required, the design will be completed in accordance with LADOTD Illumination and Electrical Standards, applicable IES standards, NFPA 70E, and other governing codes. Our team includes experienced lighting and foundation designers, with foundation design performed in accordance with AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals.

Environmental Clearances and Permits: Environmental services are not required. NS will provide all required supporting documents.

30% preliminary submittal: We will include the title sheet, typical sections and roadway plan and profile sheets.

60% Preliminary Plans: All sheets previously submitted but in more 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, foundation layouts, construction phasing and temporary traffic control details, and the drainage report. The roadway drainage system will be designed utilizing the rational method for a 10-year design storm. This phase typically begins with the utility relocation recommendation phase, establishment of preliminary right-of-way takings. We will refine the geometry submitted during the 30% Preliminary Plan submittal to address comments and model the corridor utilizing Power InRoads (SS2), the pavement section and the topo dtm file. We will create InRoads templates and check for the required construction and hydraulic clearances. The Draft TMP will be completed at this time (if required) and in accordance with DOTD EDSM No.VI.1.1.8 and FHWA's guidance manual Developing and Implementing Transportation Management Plans for Work Zones. Property maps will start once 60% preliminary plans are completed. At this stage our road designers will begin coordinating with the lighting designers (if lighting is required) to make sure there are no initial concerns with the placement of the lighting facilities and to avoid conflicts

18. APPROACH & METHODOLOGY:

early on. Guardrail calculations and details will be included in this design package (if required).

90% Preliminary Plans and 95% Preliminary Plans/Plan-In-Hand (PIH): The Plan submittal will include all of the sheets and documents previously submitted but in more detail. This submittal will also include the summary of estimated quantities sheets (pay items only) and the suggested sequence of construction sheets. The comments from the 60% Preliminary Plans will be addressed, preliminary right-of-way taking lines will be completed. The Preliminary QA/QC checklist and Plan-In-Hand Checklist will be completed during this phase. We will attend the PIH meeting/site visit and summarize comments of the PIH meeting.

Opportunity 7: It is critical that this roadway remain open during construction. Therefore, the project will be designed to keep all lanes open during construction.

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

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

60% Final Plans: We will submit updates of the deliverables included in the prior plans. Right-of-way maps will be prepared so that the joint plan review meeting can be held. The 60% final plans submittal will conclude the tasks covered in the initial contract. Once a new contract is negotiated and an NTP is issued we will move forward with the following tasks. The Final TMP will be submitted before the 95% Final Plans, with updates to address DOTD comments and changes which may have been made to the sequence of construction plans since the Draft TMP was submitted.

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

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

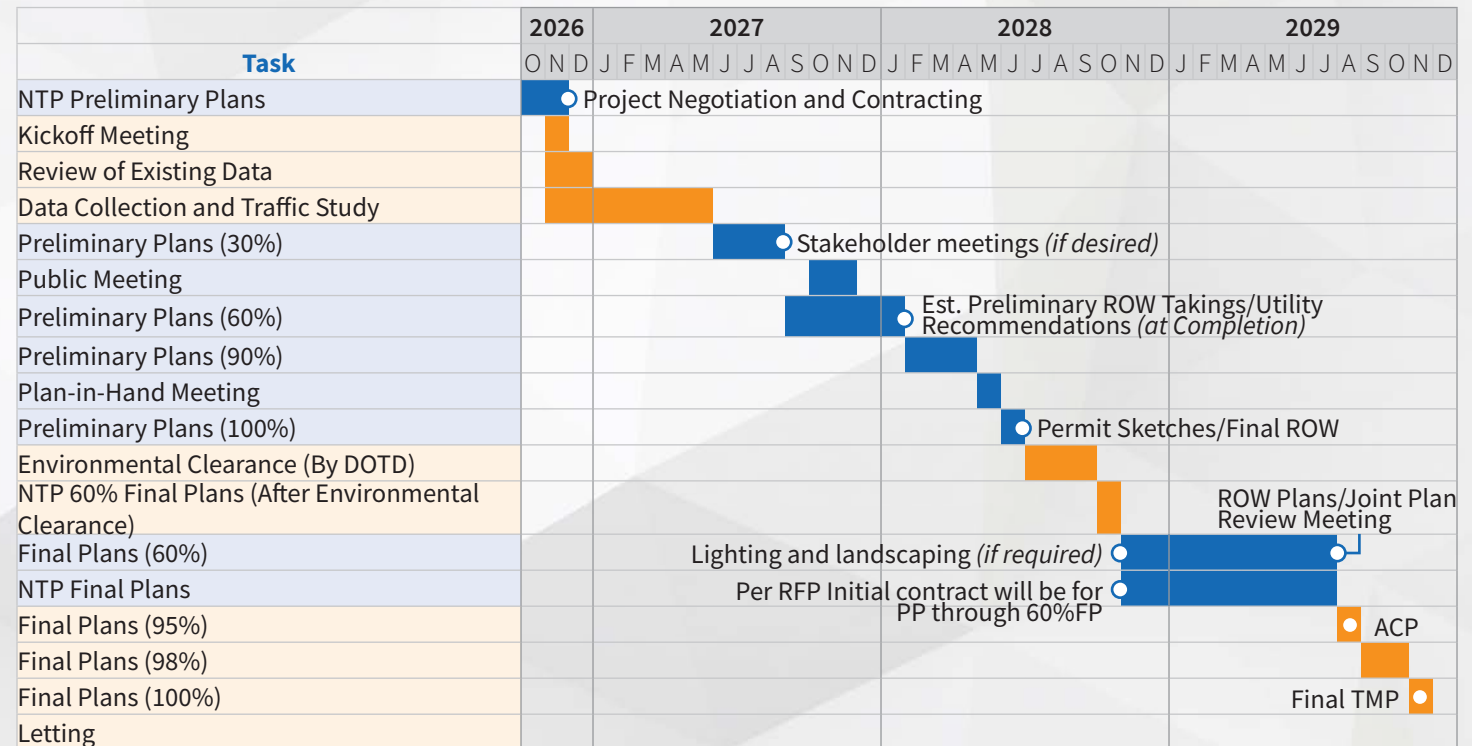


100% Final Plans: We will submit 100% signed Final Plans (Full Size Plan Set with Mylar Title Sheet) along with an electronic submittal. During this phase, the plans are transmitted to General Files.



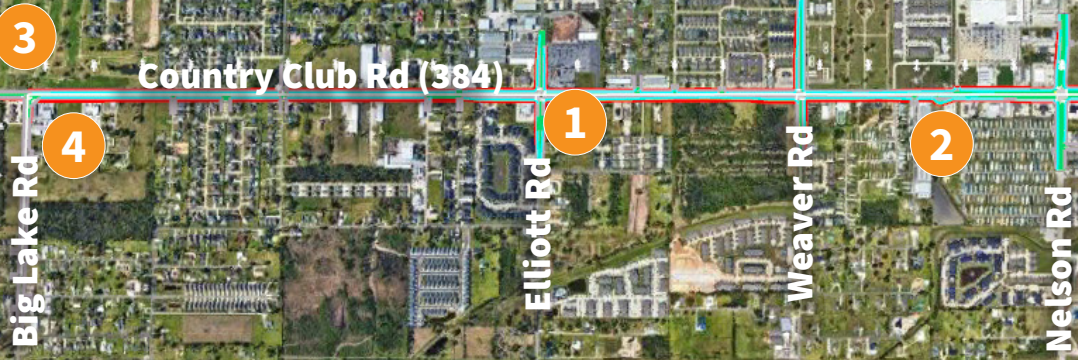
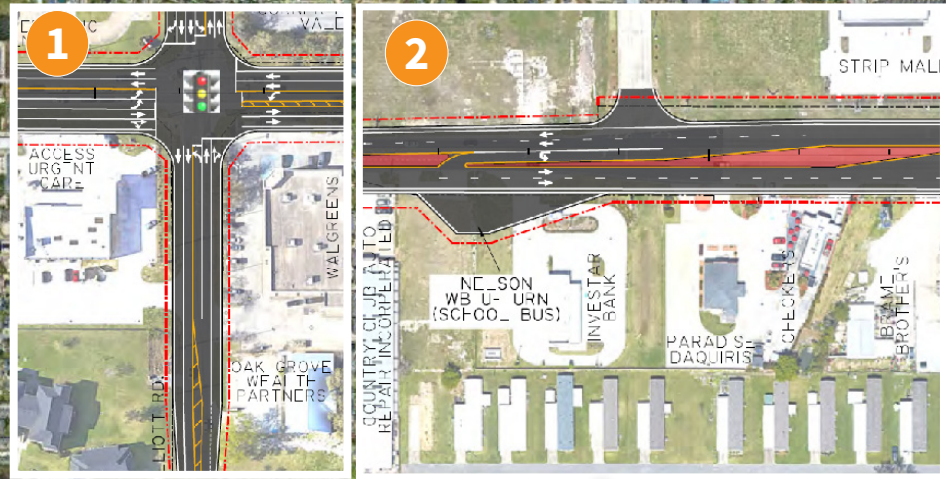
Construction Support: Our engineering support during construction will provide critical services to help ensure the successful completion of the construction phase. We will review the bids for irregularities and conformance with DOTD's acceptable overrun and underrun from the estimated construction cost.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

Anticipated Project Schedule (Exact Schedule TBD)



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

Existing Constraints Map



Sections 19-23

- 1 At Elliott Road, shifting the proposed improvements on the southern intersection leg slightly west and optimizing drainage placement may remove the impacts to Walgreens parking.
- 2 Shifting the eastbound bulb-out west will remove the impacts to the ATM at Investar Bank without impacting traffic operations.
- 3 The proposed roadway widening at Lisle Peters Road and LA 384 will match the northern existing edge of pavement to prevent impacts to two cemeteries along the corridor. Image shows Burleston-Duhon Cemetery located north of the roadway widening.
- 4 The proposed roadway widening will impact the Conoco Gas Station at Lisle Peters Road. We will work with the property owners to ensure that station operations are not impacted.



19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
 Neel-Schaffer, Inc.	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	\$43,393
	Traffic	4400010428 S.A. 6, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	\$70,974
	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	\$17,644
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	\$20,000
	ITS	440005459, H.004780.5	Kansas Lane Connector, S.A. #6	\$552
	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	\$25,388
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	N/A
	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	N/A
	Planning	4400018271, H.014746.1	LA 383 Corridor Study	\$80,319
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	\$50,741
	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	\$19,115
	Road	4400024927, H.015226.5, SA #1	US 90: Roundabout at LA 101, S.A. #1	\$102,157
	Traffic	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	N/A
	Traffic	4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	N/A
	Traffic	4400025299, H.016168.1	Baton Rouge Northern Bypass Expressway	\$152,481
	Road	4400024927, H.014366.5	LA 621 Realignment at LA 73 (on hold and should not count as backlog)	\$324,142
	Traffic	4400024927, H.014366.5	LA 621 Realignment at LA 73 (on hold and should not count as backlog)	\$66,649
	Traffic	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	N/A
	Planning	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	\$1,696
	Road	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet (awaiting NTP for design and should not count as backlog)	\$117,697
	Road	4400024927, H.009425.5	LA 16: N 2nd St. to E. of Duncan Ave. (on hold and should not count as backlog)	\$136,011
	Traffic	4400025299, H.015986.5	I-49 at LA 3233 (Harry Gilbeau Road) Traffic Study	N/A
	Traffic	4400023689, H.015574.5	LCG FYA Signal Improvements Phase 2	\$193,149
	Road	4400031591, H.015574.5	LCG FYA Signal Improvements Phase 2	\$240,503
	Other (Program Management)	4400027987, H.015373.1	LRSP and SRTTP Program Management	\$211,251
	Road	4400024927, H.016158.5	LA 182: Greenwood St. Overpass (on hold and should not count as backlog)	\$1,759
	Traffic	4400028585, H.014516.5	Mills Ave & Rees St Intersection Imp	\$56,957
	Traffic	4400023689, H.015227. S.A. #1	US 61 @ Victoria Dr. Ped Crossing, S.A. #1	\$3,064
	ITS	4400029436, H.011504.6	Alexandria Phase 2 Technical Support	\$17,605
	ITS	4400029436, H.016447.1	DMS Decom & Updates SEA	N/A
	ITS	4400029436, H.015136.1	Monroe ITS Architecture	\$34,525
	ITS	4400029436, H.013711.1	Northshore Phase 3 ITS Deployment	\$97,777



19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
 Neel-Schaffer, Inc.	ITS	4400029436, H.006474.5	Shreveport Immediate ITS Phase 2B	\$277,757
	ITS	4400029436, H.016447.5	Statewide DMS Decommission & Upgrades	\$15,784
	CE&I/OV	4400029441, H.011446.6	Mound Rest Area Renovations	\$37,800
	Other (Electrical)	4400029441, H.015218.5	Grand Prairie Safety Rest Area Lighting	\$2,802
	Other (Electrical)	4400029441, T.O. #3	Butte LaRose Rest Area Lighting	\$2,179
	Traffic	4400025299, H.014305.1	US 61: Cardinal Drive to Bert Street	\$122,597
	Traffic	4400025299, H.016437.5	US 190: Wooddale to Livingston P/L	\$83,654
	Road	4400024927, H.015640.5	LA 150 & LA 818: Roundabout	\$330,666
	Traffic	4400025299, TO #7	District 05 Study Reviews	\$300,000
	Traffic	4400032380, H.016019.5	Downing Pines at Mane St. Roundabout	\$131,646
	Other (Hydraulics)	4400032380, H.016019.5	Downing Pines at Mane St. Roundabout	\$23,072
C.H. Fenstermaker & Associates, L.L.C.	Road	Contract No. 400005673, State Project No. H.011235.5	I-49 South @ Verot School Road US 90	\$57,664
	Road	Contract No. 4400020291, State Project No. H.012869	LA 182 (UNIV) @ LA 723(RENAUD) Roundabout LA 182 and LA 723	\$126,596
	Bridge	Contract No. 4400025023, State Project No. H.015513	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Elenor Road Over Coulee	\$550
	Bridge	Contract No. 4400025023, State Project No. H.015335	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Puma Road Over Coulee	\$20,350
	Bridge	Contract No. 4400025023, State Project No. H.015516	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03, Bieber Road Over Nezpique Bayou	\$550
	Bridge	Contract No. 4400025023, State Project No. H.015512	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Mullins Road Over Tete Bayou	\$550
	Bridge	Contract No. 4400025023, State Project No. H.015515	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Andover Road Over Indian Bayou Lateral	\$550
	Bridge	Contract No. 4400025023, State Project No. H.015514	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Sarah Dee Pkwy. Over Coulee	\$12,650
	Bridge	Contract No. 4400025023,, State Project No. H.015505	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Solid Waste Water Road Over Bayou Boeuf	\$550
	Bridge	Contract No. 4400025023,, State Project No. H.015510	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Phillip Street Over Drainage Bayou	\$1,100
	Bridge	Contract No. 4400025023, State Project No. H.015509	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Huval Street Over True Canal	\$550
	Bridge	Contract No. 4400025023, State Project No. H.015508	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Adam Guidry Road Over Coulee	\$30,250



19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
C.H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023, State Project No. H.015507	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Minos Road Over Coulee	\$550
	Bridge	Contract No. 4400025023, State Project No. H.015506	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Aristide Road Over Coulee	\$550
	Bridge	Contract No. 4400025023, State Project No. H.015517	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Guegnon Street Over Youngs South Coulee	\$22,000
	Road	Contract No. 4400025625, State Project No. H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	\$464,281
	Environmental	Contract No. 4400027474	IDIQ Contract for Environmental Permitting and Biological Services Task Order No. 2, MS4 Permitting Support , East Baton Rouge Parish, District 61	\$13,410
	Road	Contract No. 4400030052, State Project No. H.015966.5	IDIQ Contract for Roadway Design Services Statewide with Majority of Work in Districts 03 & 07 Task Order No. 2, LA 2333 R-Cut at I-49 South Interchange	\$28,428
	Road	Contract No. 4400030052, State Project No. H.015484.5	IDIQ Contract for Roadway Design Services Statewide with Majority of Work in Districts 03 & 07 Task Order No. 3, LA 1162: Keith Duplechain Road – LA 29	\$31,177
	Other (Hydraulics)	Contract No. 4400033008	IDIQ Contract for Hydraulics Section Support Statewide Task Order No. 1 Hwy 90 and 182 Crossings	N/A



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

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

Previous Names

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

4450 OLD CANTON ROAD
SUITE 100
JACKSON, MS 39211

Mailing Address

4450 OLD CANTON ROAD
SUITE 100
JACKSON, MS 39211

Principal Business Office

4450 OLD CANTON ROAD
SUITE 100
JACKSON, MS 39211

Registered Office in Louisiana

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

Principal Business Establishment in Louisiana

450 LAUREL STREET
8TH FLOOR
BATON ROUGE, LA 70801

Status

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

Registered Agent(s)

Agent: CORPORATION SERVICE COMPANY

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

Officer(s)

Additional Officers: No

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

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

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

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

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

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

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

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

Amendments on File (17)

Description	Date
Disclosure of Ownership	2/2/1995
Disclosure of Ownership	4/8/1996
Disclosure of Ownership	4/19/1999
Stmt of Chg or Chg Prin Bus Off	12/6/2002
Disclosure of Ownership	11/20/2003
Disclosure of Ownership	6/7/2012
Stmt of Chg or Chg Prin Bus Off	11/9/2012
Appointing, Change, or Resign of Officer	5/24/2013
Appointing, Change, or Resign of Officer	5/24/2013
Stmt of Chg or Chg Prin Bus Off	5/24/2013
Appointing, Change, or Resign of Officer	7/22/2014
Stmt of Chg or Chg Prin Bus Off	9/8/2015
Stmt of Chg or Chg Prin Bus Off	9/18/2015
Stmt of Chg or Chg Prin Bus Off	12/28/2015
Appointing, Change, or Resign of Officer	8/3/2017
Disclosure of Ownership	8/5/2019
Stmt of Chg or Chg Prin Bus Off	9/1/2023

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Name	Type	City	Status
C. H. FENSTERMAKER & ASSOCIATES, L.L.C.	Limited Liability Company	LAFAYETTE	Active

Previous Names

C. H. FENSTERMAKER & ASSOCIATES, INC. (Changed: 12/31/2011)

Business: C. H. FENSTERMAKER & ASSOCIATES, L.L.C.

Charter Number: 33922270K

Registration Date: 8/10/1982

Domicile Address

135 REGENCY SQUARE
LAFAYETTE, LA 70508

Mailing Address

P.O. BOX 52106
LAFAYETTE, LA 70505

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 8/10/1982

Last Report Filed: 7/14/2026

Type: Limited Liability Company

Registered Agent(s)

Agent: WILLIAM H. FENSTERMAKER

Address 1: 135 REGENCY SQUARE

City, State, Zip: LAFAYETTE, LA 70508

Appointment Date: 8/12/1993

Transportation Professional Certification Board Inc.

certifies that

Ellen Lee Burke

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

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

August 1, 2014

Timothy D. Harpst
Chair



James W. Schaffer
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Jonathan Paul Duhe

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

Professional Traffic Operations Engineer

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4418 issued in Washington, DC, USA*

3/18/18

Michael R. Park
Chair



Jeffrey F. Panati
Executive Director



The Transportation Professional Certification Board

Certifies that

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

successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 8/1/2014

Certification Valid Through: 8/1/2029

Steve Kuciemba,
Executive Director and CEO

Jan O. Voss, P.Eng., PTOE
TPCB Chair

Certification Number: 3735

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

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

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

Hi Jonathan,

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

You have no action items at this time.

<https://outlook.office.com/mail/inbox/id/AAkALgAAAAAHYQDEapmEc2byACqAC%2FEWg0A3kEVra7z20iLuAHUTLHdzQAAijZ6wQAA?nativeVersio...> 1/3

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Date: June 4, 2018

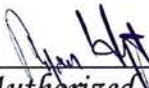
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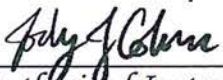
Traffic Engineering Analysis Process & Report Module 2

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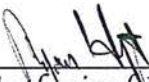
Location: Baton Rouge, Louisiana

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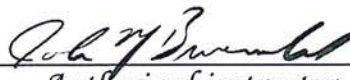
Hours (PDHs) Awarded: 4



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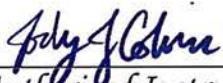
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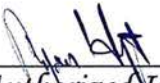
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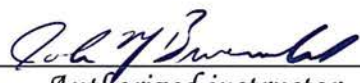
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Hours (PDHs) Awarded: 3



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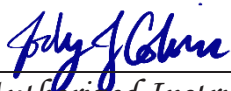
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Date: July 16, 2018

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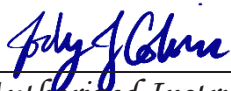
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Date: July 23, 2018

Location: Baton Rouge, Louisiana

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Hours (PDHs) Awarded: 3



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Hours (PDHs) Awarded: 3



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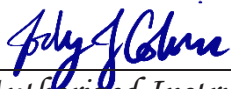
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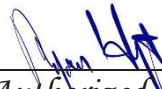
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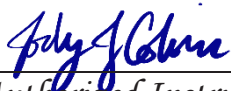
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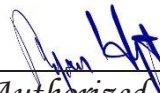
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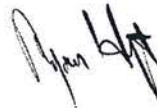
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Location: Baton Rouge, Louisiana

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Hours (PDHs) Awarded:* 3



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Hours (PDHs) Awarded: 3*



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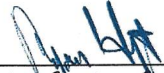
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Date: October 1, 2018
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Hours (PDHs) Awarded:* 2.5



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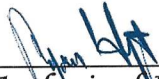
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Date: October 15, 2018
Location: Baton Rouge, Louisiana

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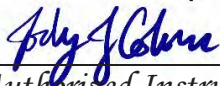
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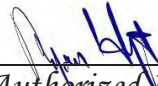
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Professional Development

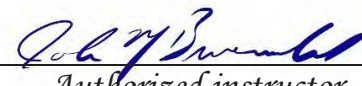
Hours (PDHs) Awarded: 2



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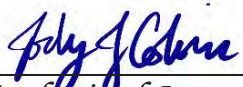
Charles Adams

for completing the

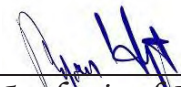
Traffic Engineering Analysis Process & Report Module 2

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Location: Baton Rouge, Louisiana

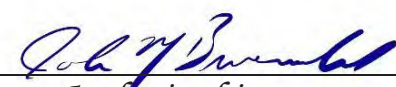
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Hours (PDHs) Awarded:* 3



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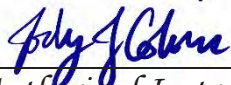
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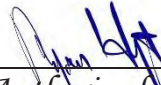
Location: Baton Rouge, Louisiana

Professional Development

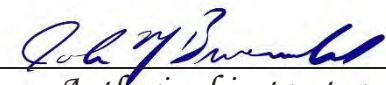
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BRIDGE DESIGN QC/QA PLAN

LA 384 (BIG LAKE RD TO MCNEESE ST)

CONTRACT NO. 4400035806

NEEL-SCHAFFER, INC.

“Solutions you can build upon”

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INTRODUCTION

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

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

CONTRACT No. 4400035806

S.P. No. H.011242.5

F.A.P. No. H011242

LA 384 (Big Lake Rd to McNeese St)

Route: LA 384

Calcasieu Parish

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

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

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

DEFINITIONS

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

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

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

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

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

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

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

QC/QA PROCEDURES

1. CALCULATIONS

INTRODUCTION

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

RESPONSIBILITIES

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

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

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

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

PROCEDURES

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

2. The Designer shall make a copy (checking copy) of the calculation set and give to the checker. The originals shall then be placed in a designated binder or folder, in a convenient location, which can be accessed by the entire design team.
3. The checker shall fill in the checking copy headings with initials and date in red. All errors and disagreements shall be marked in red. Yellow shall be used to indicate information that has been checked is correct.
4. The checker shall promptly return the checking copy to the Designer for review. If the Designer agrees with the checker's markup then the Designer shall put a green check on red marks. When the Designer and Checker disagree, then the Engineer of Record shall resolve the dispute.
5. The Designer shall change the originals and return the originals and the checking copy to the checker for the checker's initials and date to be placed on the original.
6. The originals shall immediately be placed back into the calculation folder or binder. The checking copy shall be kept as required.

2. DRAWINGS

INTRODUCTION

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

RESPONSIBILITIES

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

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

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

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

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

PROCEDURES

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

Use of Colors

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

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

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

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

To document the backchecking process, the Designer:

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

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

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

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

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

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

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

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

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

7. If changes mandated by the client at the final review are simple in nature, the Engineer of Record or a designee may abbreviate the checking process by noting the changes in red on a new Check Print (which should be sequentially numbered) and signing the Check Print as the Backchecker, indicating that the changes do not materially affect the design. Then the normal correcting and verifying processes should be utilized.

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

APPENDIX

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

The following items are included in the Appendix:

- Design Criteria Checklist
- Project Activity Log Sheet
- Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist
- Consultant Submittal Review Checklist
- Final Calculation Book Checklist
- Design Comment Review Form
- QA Information Package Checklist
- QC/QA Certification
- Consultant Submittal QC/QA Certification

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

Design Criteria Checklist

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

Cover Sheet

The following information must be included on the cover sheet:

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

Governing Design and Construction Specifications and Other References

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

Design Assumptions and Design Exceptions

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

General Information

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

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

Hydraulic Design Criteria

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

Design Factors

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

Design Loads

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

Limit States

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

— **Bridge Barrier Railing**

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

— **Guardrail**

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

— **Approach Slab**

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

— **Deck and Deck Drainage**

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

— **Bearing**

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

— **Joint**

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

— **Superstructure**

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

— **Substructure**

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

— **Piles and Drilled Shafts**

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

— **Geotechnical Design**

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

— **Mechanical Design**

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

— **Electrical/Lighting Design**

All electrical design criteria shall be included in this section if applicable. Standard plans should be listed if they are utilized.

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

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

Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist

LADOTD BRIDGE DESIGN AND EVALUATION MANUAL
PART I – POLICIES AND PROCEDURES

CHAPTER 3
POLICY FOR QC/QA

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

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

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

Consultant Submittal Review Checklist

LADOTD BRIDGE DESIGN AND EVALUATION MANUAL
 PART 1 - POLICIES AND PROCEDURES

CHAPTER 3
 POLICY FOR QC/QA

APPENDIX K—CONSULTANT SUBMITTAL REVIEW CHECKLIST

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

Legend:

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

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

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

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

Final Calculation Book Checklist

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

— **Cover Sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of "Final Calculation Book"
- The EOR's seal with signature and date

— **Final Calculation Book Check List**

— **QC/QA Certifications**

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

— **Design Criteria**

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

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

— **Superstructure Design Calculations**

— **Substructure Design Calculations**

— **Quantity Calculations**

— **Special Provisions/NS-Items**

— **Construction Cost Estimate**

— **As-Designed Rating Report**

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

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

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

— **All Electronic Design Files**

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

Design Comment Review Form

STATE PROJECT NO.
 PROJECT NAME
 PARISH
 COMMENTS RESPONSE MATRIX

Responses to the DOTD's comments received on the plans prepared by Neel-Schaffer, Inc., are as follows:

SHEET NO.	COMMENT NO.	COMMENT	RESPONSE/ACTION TAKEN	FILE NAME

QA Information Package Checklist

Project No.:

Project Description:

- _____ Calculation Book
- _____ Plans
- _____ Special Provisions
- _____ Cost Estimate
- _____ Other Documents _____

QC/QA Certification

Project No.:

Project Name:

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

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

Consultant Submittal QC/QA Certification

Project No.:

Project Name:

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

Submittal Description

Supervisor or Team Leader Name

Signature

Date

22. SUB-CONSULTANT INFORMATION:

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
C. H. Fenstermaker & Associates, L.L.C.	135 Regency Square Lafayette, LA 70508	Dax Douet, PE dax@fenstermaker.com	(225) 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.

