LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

STATEMENT OF QUALIFICATIONS

IDIQ CONTRACTS FOR SAFETY STUDIES

CONTRACT NOS. 4400023689 AND 4400023690
Statewide

February 22, 2022

Project Manager
Nick J. Ferlito, Jr., P.E., PTOE
nick.ferlito@neel-schaffer.com
225-614-2813

NEEL-SCHAFFER
Solutions you can build upon

NEEL-SCHAFFER
Solutions you can build upon

engineers
planners
surveyors
environmental scientists
landscape architects

February 22, 2022

Department of Transportation and Development
Consultant Contract Services, Unit 018
1201 Capitol Access Rd. (Attention Sec 80)
Baton Rouge, LA 70802

RE: CONTRACT NOS. 4400023689 AND 4400023690
IDIQ CONTRACTS FOR SAFETY STUDIES
STATEWIDE

To Whom It May Concern:

NEEL-SCHAFFER, INC. (NSI) is pleased to submit our 24-102 for Contract No. 4400023689 AND 4400023690 by email.

We understand DOTD's needs and requirements and are confident in our team's ability to meet and exceed the requirements established for the IDIQ Contracts for Safety Studies. NSI was founded in 1983 and is a highly progressive engineering, design and consulting firm that offers diverse expertise in the areas of infrastructure and environmental consulting to both public and private-sector clients throughout the South and Southeast regions of the United States. NSI's five Louisiana offices are located in Lafayette, Baton Rouge, New Orleans, Mandeville, and Shreveport.

Neel-Schaffer, Inc. has been partnering with DOTD, as well as federal and local public agencies, in highway and bridge design, traffic engineering, transportation planning and modeling, and the preparation of NEPA documents in Louisiana for 35 years.

Your consideration of Neel-Schaffer, Inc. is appreciated.

Sincerely,
NEEL-SCHAFFER, INC.

Jerry Trumps
Executive Vice President

DOTD FORM: 24-102

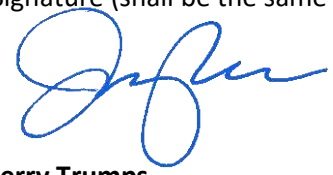
(Revised June 1, 2021)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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 title as shown in the advertisement	IDIQ Contracts for Safety Studies Statewide
2. Contract number(s) as shown in the advertisement	Contract Nos. 4400023689 AND 4400023690
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	NEEL-SCHAFFER Solutions you can build upon
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0001372
6. Prime consultant mailing address	10000 Perkins Rowe Suite G360 Baton Rouge, LA 70810
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	10000 Perkins Rowe Suite G360 Baton Rouge, LA 70810
8. Name, title, phone number, and email address of prime consultant's contract point of contact	**Nick Ferlito, PE, PTOE** *Senior Vice President* 225-614-2813 Nick.ferlito@neel-schaffer.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	**Jerry Trumps** *Executive Vice President* Southwest Region 337-232-6111 jerry.trumps@neel-schaffer.com

<table>
<tr><td>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.</td><td colspan="2">Signature (shall be the same person as #9):
 
Jerry Trumps
Date: February 22, 2022</td></tr>
<tr><td rowspan="2">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.</td><td>Firm</td><td>Firm’s Percent</td></tr>
<tr><td>N/A</td><td>N/A</td></tr>
</table>

12. Past Performance Evaluation Discipline Table:

Evaluation Disciplines	Percent of Overall Contract	Neel-Schaffer
Road	10%	100%
Planning (Safety / Stage 0's)	75%	100%
Traffic	15%	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%**	**100%**

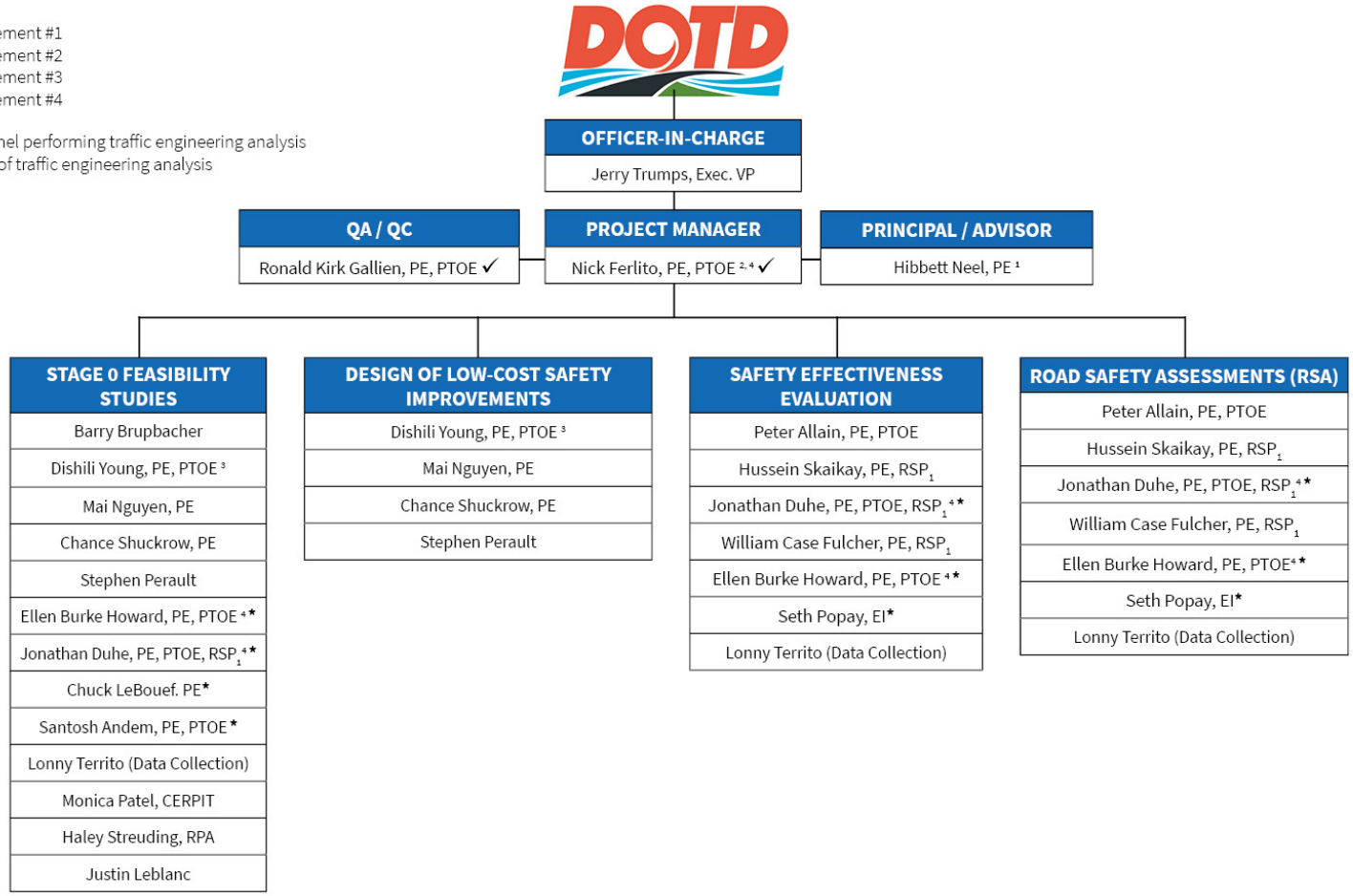
13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Neel-Schaffer, Inc.	Engineer	10	10
Neel-Schaffer, Inc.	Engineer Intern	1	1
Neel-Schaffer, Inc.	Principal	2	2
Neel-Schaffer, Inc.	Supervisor - Eng.	2	2
Neel-Schaffer, Inc.	Supervisor - Other	1	1
Neel-Schaffer, Inc.	Senior Technician	2	2
Neel-Schaffer, Inc.	Archaeologist	1	1
Neel-Schaffer, Inc.	Environmental Pro	1	1
Neel-Schaffer, Inc.	GIS Analyst	1	1

14. Organizational Chart:

[1] MPR Requirement #1
[2] MPR Requirement #2
[3] MPR Requirement #3
[4] MPR Requirement #4

* Personnel performing traffic engineering analysis
✓ QA/QC of traffic engineering analysis



15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	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 / certification & Number	State of license	License / certification expiration date
1	Hibbett Neel, PE	Neel-Schaffer	PE 0012999	LA	03/31/2022
2	Nick Ferlito, PE, PTOE	Neel-Schaffer	PE 0028001	LA	09/30/2023
3	Dishili Young, PE, PTOE	Neel-Schaffer	PE 0033723	LA	09/30/2022
4	Nick Ferlito, PE, PTOE	Neel-Schaffer	PE 0028001	LA	09/30/2023
4	Ellen Howard, PE, PTOE	Neel-Schaffer	PE 0038207	LA	03/31/2022
4	Jonathan Duhe, PE, PTOE, RSP_1	Neel-Schaffer	PE 0041047	LA	03/31/2023

Firm employed by Neel-Schaffer, Inc.					
Name	**Hibbett Neel, PE**			Years of experience with this firm/employer	39
Title	President and CEO			Years of experience with other firm(s)/employer(s)	17
Degree(s) / Years / Specialization			BS / 1963 / Civil Engineering; MS / 1965 / Civil Engineering		
Active registration number / state / expiration date			PE 0012999 / LA / 03/31/2022		
Year registered	1998	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Meets MPR 1: Principal of the prime consultant shall be a registered professional engineer in the state of Louisiana.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
Career History	Mr. Neel co-founded Neel-Schaffer in 1983, serves as the firm's President and CEO, and has 50 years of experience in the engineering profession. A Jackson resident since 1974, he attributes much of the firm's success to our commitment to serve municipalities such as the City of Jackson, maintaining a personal connection with clients while growing the company into a regional firm with more than 500 professional and technical employees working out of 38 offices across nine states. While this growth has helped his firm reach 198th on *Engineering News-Record's* prestigious list of the nation's Top 500 Design firms for 2018, Mr. Neel's No. 1 goal has always been for the firm to serve clients on a local, personal level, by improving the quality of life in the communities in which the employees live, work, and play. That means striving to help cities, counties and states thrive and grow. Mr. Neel's passion for his job was never more evident than during the City of Jackson's quest in 2013 to pass the 1-cent sales tax referendum that will help fund infrastructure improvement and rehabilitation. Mr. Neel volunteered his time, data, and other materials while working closely with former Mayor Chokwe Lumumba to present information regarding infrastructure needs during public meetings held in each of the City's seven wards in advance of the historic vote. The meetings were held from October 2013 through January 2014. Mr. Neel spoke at each meeting, providing data, and answering questions. He also carried with him a section of old, corroded cast iron water pipe that was removed from under a downtown Jackson street, giving citizens an up-close look at a real world problem facing the City. The referendum passed overwhelmingly, with 90 percent in favor. Mr. Neel's commitment to the community is one of the pillars on which he built the firm. He is actively involved in local community affairs and is serving or has served on numerous boards, including Catholic Charities, Citizens Southwest, Community Foundation of Greater Jackson, Jackson State University School of Engineering, Jackson 2000, Jackson

	Association of Neighborhoods, Keep Jackson Beautiful, Leadership Jackson, Metro Jackson Chamber of Commerce, and Mississippi Blood Services. Mr. Neel has received numerous professional recognitions, including the 2014 Goodwill Industries Volunteer Service Award; the 2012 American Council of Engineering Companies Teddy Roosevelt Award; the 2011 ITE Burton W. Marsh Award for Distinguished Service; and the 2010 Greater Jackson Chamber Partnership Mississippi-Pat Yarborough Community Service Award. In 1990, recognizing that there was an alarming lack of minority engineers in private practice, Mr. Neel started a minority scholarship program aimed at helping more minorities enter the engineering field. The firm has since awarded more than $300,000 in minority scholarships and earned national recognition from the American Society of Civil Engineers, which in 2004 awarded Neel-Schaffer with its National Diversity Champion Award. The scholarship program has been a big success, with eight recipients joining Neel-Schaffer upon graduation. two are currently employed by the firm as engineers. Mr. Neel has been a longtime member of and advocate for the Institute of Transportation Engineers. An international organization with some 17,000 members, ITE "facilitates the application of technology and scientific principles to research, planning, functional design, implementation, operation, policy development, and management for any mode of ground transportation." In 2014, Mr. Neel served as the International President of this prestigious organization. Through his travels, he has gained a great appreciation for sustainable design techniques and how they can be used to transform a city. This includes the 'Complete Streets' concept, which Neel-Schaffer employed in designing the reconstruction of Capitol Street in downtown Jackson. In 2018, Mr. Neel was further honored by ITE when he was named an Honorary Member. Only 80 members have received Honorary Member status since 1933, when the first was chosen. Mr. Neel is responsible for all activities of the firm, which offers multiple disciplines and has offices located throughout the South. This includes overall management, direction and corporate planning. Mr. Neel is committed to growing the company strategically while practicing the utmost ethical and responsible business practices. He has special expertise in the areas of design and management of public works projects. His responsibilities have ranged from management of individual traffic and transportation projects to development and management of major branch office projects, involving water, wastewater, parks, transportation, and community development.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Jerry Trumps**			Years of experience with this firm/employer	21
Title	Executive Vice President, Southwest Region			Years of experience with other firm(s)/employer(s)	19
Degree(s) / Years / Specialization			B.S. / 1976 / Business Administration / University of Louisiana		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Officer in Charge		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
1980 - 1992	**Public Works Director, City of Lafayette, LA:** Managed Public Works Department (responsible for bridges, roadways, traffic, drainage, transit, public buildings and utilities)
1992 - 1999	**Jerry Trumps and Associates, Inc.** Planning/General Consulting for local governments, including public works & infrastructure
1999 - Present	**Neel-Schaffer, Inc., currently Executive Vice President/SW Region Manager:** Mr. Trumps has served as Office-in-Charge of the following projects:
07/18 - 12/18	**I-20 at I-220 Interchange Improvement & BAFB DB Proposal, Project No. H.003370:** NSI was the prime design firm supporting PCL Construction, Inc. to provide services for the proposed I-20/220 Interchange Improvement at Barksdale Air Force Base in Shreveport. NSI's primary role included developing and preparing cost effective preliminary plans for the interchange improvements.
08/14 - 03/15	**US 90 (Future I-49) LA 318 Interchange Design Build Project, Project No. H.004932:** NSI was the prime design firm supporting JB James Construction services for the proposed I-20/220 Interchange Improvement for US 90 (Future I-49) LA 318. The Project included a new grade separated interchange at the existing LA 318 intersection, the reconstruction of the mainline of US 90 (Future I-49) and a frontage road system. NSI developed interchange designs for the LA 318 overpass, the US 90 WB entrance ramp, and the frontage roads.
07/15 - Present	**Mandeville Bypass, St. Tammany Parish:** The Mandeville Bypass will provide a new 3-mile median section roadway with integral bike bath connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. The project includes roundabout geometry intersections at LA 1088 and US 190. It will also provide multiple entrances to Pelican Park, a major recreation facility serving west St. Tammany Parish.
08/12 - Present	**LA 1026 (Juban Rd) Widening (I-12 to US 190), Project No. H.004634:** The project is to widen existing LA 1026 (Juban Road) from an existing two-lane road with side ditches to a 4-lane Blvd with either sub-surface drainage or roadside ditches or a combination of both. The intersection of La 1026 (Juban Road)/US 190 (Florida Blvd) will be improved with a roundabout in this project. This project will commence at the intersection of LA 1026 (Juban Road) and the I-12 north interchange ramps and continue to the intersection of LA 1026 (Juban Road) and US 190 (Florida Blvd) and end approximately 2,000 feet east and west along US 190 (Florida Blvd) from the intersection of LA 1026 (Juban Road).

16. Staff Experience:

07/15 – Present	**US 90 Pearl River Bridges Environmental Assessment, St. Tammany Parish, LA and Hancock County, MS, State Project NO. H.000284 & NO. H.000286:** Work includes the preparation of an Environmental Assessment, as well as line and grade engineering for multiple fixed and movable span bridge alternatives. Work includes navigation studies and supporting environmental studies involving the replacement of five Historic Bridges crossing the Pearl River waterways.
04/10 – 12/10	**Stage 0 Feasibility Study: Route LA 182 (North University Avenue) Widening, I-10 to West Pont des Mouton Road, Lafayette Parish (Lafayette Consolidated Government (LCG) Contract No. 500-10-034, State Project No. H.009335):** Project supports the widening of LA 182 to four lane capacity. The Study / EA included traffic studies, environmental assessment and alternative concepts for widening the 2-mile route. Multiple roundabouts are provided.
05/11 – 02/13	**Environmental Assessment: (EA) Route LA 182 (North University Avenue) Widening, I-10 to West Pont des Mouton Road, Lafayette Parish (Lafayette Consolidated Government (LCG) Contract No. 500-10-034, State Project No. H.009335):** Project supports the widening of LA 182 to four lane capacity. The Study / EA included traffic studies, environmental assessment and alternative concepts for widening the 2-mile route. Multiple roundabouts are provided.
05/07 – 10/09	**St. Martinville Bypass, Route LA 31, St. Martin Parish, LA (State Project No. 700-50-0112) Louisiana Department of Transportation and Development (LADOTD)**: Project includes traffic forecasts and analysis and environmental studies supporting the construction of a new 7.2-mile Suburban Arterial Roadway providing a west Bypass of St. Martinville.
10/07 - 12/09	**Lafayette Parish I-10 Frontage Roads Study (LCG No. 590-07-012/ SPN 736-28-0042/ FAP No. STP-2805(501):** Traffic and line & grade study of I-10 for a 10-mile corridor from LA 93 to Louisiana Avenue in Lafayette, LA to develop viable conceptual alternatives for frontage roads parallel to and/or adjacent to the I-10 corridor, including the evaluation of modifying existing frontage roads and interchanges and the feasibility of one way/two-way frontage roads within the study area.
01/10 – 01/11	**Route LA 3234 Stage 0 Feasibility Study, Tangipahoa Parish, LA (State Project No. H.008915.1):** The project will improve east-west connectivity through Hammond by extending LA 3234 from its current terminus at LA 1065 to Hammond Northshore Regional Airport.

Firm employed by Neel-Schaffer, Inc.					
Name	**Nick Ferlito, PE, PTOE**			Years of experience with this firm/employer	25
Title	Senior Vice President			Years of experience with other firm(s)/employer(s)	3
Degree(s) / Years / Specialization			BS / 1993 / Civil Engineering; MS / 1996 / Civil Engineering		
Active registration number / state / expiration date			PE 0028001 / LA / 09-30-2023; PTOE 930 / 04-23-2023		
Year registered	1998	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Meets MPR 2: Responsible member of the prime consultant registered in the state of Louisiana as a professional engineer in civil engineering Meets MPR 4: Professional engineer, registered in the state of Louisiana, with professional traffic operations engineer (PTOE) certification and shall have a minimum of five (5) years of traffic analysis experience with signal warrants and signal timing.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
01/2022 – Present	**US 167: I-10 to Willow Street Road Safety Assessment** (SPN 4400010504, Task No, H.014959.1). *Project Manager* for this study. Coordinating the Road Safety Assessment for US 167 from I-10 to Willow Street to conduct a safety study, perform a field evaluation and engage stakeholders to develop alternative concepts to reduce pedestrian and bicycle crashes and fatalities.
07/2021 – Present	**District 61 Intersection Safety Studies** (SPN 4400010504, Task No, H.014684.1). *Project Manager* for this study. Coordinated the intersection safety studies at 10 intersections in District 61 to identify low-cost countermeasures to reduce crashes.
04/2020 – 07/2021	**District 05 Safety Investment Plan, DOTD District 05** (SPN 4400010504, Task No, H.014295.1). *Project Manager* for this study. Coordinated the evaluation of crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements.
12/2017 - 03/2019	**District 08 Safety Investment Plan, DOTD District 08** (SPN 4400010504, Task No, H.013264.1). *Project Manager* for this study. Coordinated the evaluation of crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements.
02/2019 – 3/2020	**District 07 Safety Investment Plan, DOTD District 07** (SPN 4400010504, Task No, H.013826.1). *Project Manager* for this study. Coordinated the evaluation of crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low-cost safety improvements.
12/2019 - Ongoing	**Safety improvements at the US 80: Intersection with Bellevue Road, Route US 80, Bossier Parish, LA** (SPN 4400010504, T.O. H.014044.1). *Project Manager* for this study. Coordinated the Traffic and Safety studies as part of the Stage 0 Study to evaluate RCUT and full access intersection alternatives to improve the safety and mobility along US 80. The study included data collection, traffic forecasting, existing/no build and build traffic and safety analysis.

11/2016 - 07/2019	**LA 385 Feasibility Study, Lake Charles, LA – Stage 0/Traffic & Safety Study** (SPN 44-4402, T.O. No. H.012685.1). *Project Manager* for this study. Coordinated the Traffic and Safety studies as part of the Stage 0 Study to in support of safety and capacity improvements along 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. We identified near term and long-term improvements along the corridor. The study included data collection, traffic forecasting, existing/no build and build traffic and safety analysis.
02/2016 - 10/2017	**LA 6 Feasibility Study, Natchitoches, LA – Stage 0 / Traffic & Safety Study** (SPN 44-4402, T.O. No. H.012307.1) *Project Manager* for this study. Coordinated the Traffic and Safety studies as part of the Stage 0 Study to in support of safety and capacity improvements along the LA 6 corridor between Parish Road 542 west of I-49 to LA 3278 east of I-49, including the LA 6 interchange with I-49 to determine feasible alternatives that will preserve and enhance mobility and safety. Alternatives include roundabouts and RCUT alternatives. The study included data collection, traffic forecasting, existing/no build and build traffic and safety analysis.
05/2015 - 06/2018	**LA 328 Stage 0, Breaux Bridge, LA – Traffic & Safety Study** (SPN 44-4909, T.O. H.011279.1) *Project Manager* for this study. Coordinated the Traffic and Safety studies as part of the Stage 0 Study to in support of safety and capacity improvements along LA 328. Alternatives include roundabouts and RCUT alternatives along LA 328 in proximity to I-10 in St. Martin Parish. The study included data collection, traffic forecasting, existing/no build and build traffic and safety analysis.
02/2015 - 04/2018	**LA 384 Stage 0, Lake Charles, LA – Traffic & Safety Study** (SPN 44-4909, T.O. H.011242.1) *Project Manager* for this study. Coordinated the Traffic and Safety studies as part of the Stage 0 Study to in support of safety and capacity improvements along LA 384. Alternatives include roundabouts and RCUT alternatives along LA 384 (Country Club Road) from Big Lake Road to McNeese Street. The study included data collection, existing/no build and build traffic and safety analysis.
10/2013 - 12/2016	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study** (SPN 44-1862, T.O. H.010572.1) *Project Manager* for this study. Coordinated the Traffic and Safety studies as part of the Stage 0 Study to in support of safety and capacity improvements along LA 30. Alternatives include roundabouts and DDI alternatives along LA 30 in proximity to I-10 in Ascension Parish. The study included data collection, traffic forecasting, existing/no build and build traffic and safety analysis.
Career History	Mr. Ferlito is a traffic/transportation engineer who manages a range of traffic and safety related projects. **Mr. Ferlito serves or has served as the project manager for IDIQ Safety Study Contracts 44-01583, 44-04402 and 44-10504 and for Stage 0 Studies, safety studies, local and regional traffic impact studies, intersection studies, corridor studies, transportation management plans, signal timing studies, warrants analysis, traffic signal inventories, signal design projects and other traffic engineering related projects for both public and private projects.** Mr. Ferlito is experienced with numerous traffic engineering software packages include HCS, CORSIM, SYNCHRO, Tru-Traffic (TSPPDraft), SIDRA and has completed training on LADOTD's **CAT Scan safety tool**. Mr. Ferlito is a certified Professional Traffic Operations Engineer (PTOE) and has completed the NEPA and Transportation Decision Making course (2004), the **Highway Safety Manual Workshop** (2011) as well as LADOTD's **Traffic Engineering Process and Report (TEPR)** training.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Ellen Burke Howard, PE, PTOE**			Years of experience with this firm/employer	7
Title	Project Manager			Years of experience with other firm(s)/employer(s)	5
Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering / LSU		
Active registration number / state / expiration date			PE 0038207 / LA / 03-31-2022; PTOE No. 3735		
Year registered	2013	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Meets MPR 4: Professional engineer, registered in the state of Louisiana, with professional traffic operations engineer (PTOE) certification and shall have a minimum of five (5) years of traffic-analysis experience with signal warrants and signal timing		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
09/21 - Present	**MOVEBR Harding Boulevard at Interstate I-110 (C-P Proj. No. 20-CP-HC-0016):** *Traffic Engineer* responsible for Initial and Final Data Collection, Existing Safety Analysis and existing and no build traffic analysis.
03/21 - Present	**MOVEBR N. Sherwood Forest Extension (C-P Proj. No. 20-CP-HC-0014):** *Traffic Engineer* responsible for Initial and Final Data Collection, Existing Safety Analysis, Existing and No Build HCS signal analysis, Chapter 1 and Chapter 2 of Final Report
09/20 - Present	**MOVEBR College Drive Enhancements (C-P Proj. No. 19-EN-HC-0033):** *Traffic Engineer* responsible calibrated Vissim model, existing and no build traffic analysis and alternatives analysis.
01/14 – 12/16	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1):** *Traffic Engineer* responsible for Data Collection, Corridor Traffic Operational Analysis (Synchro and Sidra), Calibrated Vissim Modeling, Stage 0 Traffic Report
01/14 – 03/16	**LA 73 Corridor Study (LA 74 to LA 621) Stage 0 Feasibility Study (Contract No. 4400003362, T.O. No. H.011160.1):** *Traffic Engineer* responsible for Data Collection, Warrant Analysis, Corridor Operational Analyses (Synchro and Sidra), Stage 0 Traffic Report Preparation
01/19 – 03/20	**District 07 Safety Investment Plan** *Traffic Engineer* responsible for Data Collection
01/14 – 05/15	**Safety Study, LA 49 (Williams Blvd.,) Kenner, LA – Stage 0 / Safety Study (S.P. No. 4400001583, T.O. No. H.010570):** *Traffic Engineer* responsible for Data Collection, Intersection Operational Signal Analyses (Synchro), and Vissim Modeling.
01/14 – 06/14	**Stage 0 Study, considering the extension of Edenborne Parkway to South St. Landry Road (approximately 1 mile) for Ascension Parish:** *Traffic Engineer* responsible for Intersection Operational Analyses (Sidra).
08/16 – 01/17	**LA 433 at Carroll Road, Stage 0 Study considering construction of modern roundabout (St. Tammany P.O. S109476):** *Traffic Engineer* responsible for Intersection Operational Analyses (Synchro and Sidra), Warrant Analysis.
10/17 – 01/18	**Move Ascension - 6 Intersection Improvement Studies for Ascension Parish:** *Traffic Engineer* responsible for Data Collection, Intersection Traffic Operational Analyses (Synchro, Vistro, and Sidra), Safety Analyses, Warrant Analysis, Signal Analysis, Benefit/Cost Analyses, and Traffic Report Preparation

16. Staff Experience:

08/20 - 10-21	**I-10 & I-12 College Dr. Flyover Ramp Design-Build Project (S.P. H.013897.1):** *Traffic Engineer* responsible for Calibrated Vissim model and traffic analysis, and Interchange Modification Report
12/19 – 03/20	**US 80: Intersection @ Bellevue Rd (S.P. No. 4400010504, T.O. No. H.014044.1):** *Traffic Engineer* responsible for Initial and Final Data Collection, Existing Safety Analysis, and Chapter 1 of Final Report and signalized intersection analysis.
2/16 – 04/18	**LA 22 (Rou Mar Nei Drive to 1st Street) (Contract No. 4400004064, T.O. No. H.011618.1):** *Traffic Engineer* assisted with corridor traffic operational analyses including traffic signal analysis.
02/15 – 12/17	**US 51 Business (I-12 to Coleman) Corridor Study (Contract No. 4400004064, T.O. No. H.011402.1)—US 51 Business Corridor Study:** Includes analysis of three roundabout geometry intersections. *Traffic Engineer* assisted with Corridor Operational Analyses
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
09/15 – 01/17	**US 90 - US 61 - LA 611-9 Corridor Improvements (S.P. No. 4400004829, T.O. No. H.011646.5):** *Traffic Engineer* responsible for Warrant Analysis, Safety Analysis, Signal Inventory, Travel Time Runs, Initial and Final Data Collection Report Preparation
09/15 – 05/16	**LA 19 Widening (LA 64 to Sunset Blvd.) - Stage 0 Study (S.P. No. 4400004012, T.O. No. H.011695.1):** *Traffic Engineer* responsible for Data Collection, Warrant Analysis, Intersection Operational Analyses (Synchro), and Traffic Report Preparation
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.
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 LADOTD's Traffic Engineering Management Section in Headquarters. She worked on a variety of projects involving Traffic Engineering Studies, Signal Timing and Coordination, Corridor Studies and Transportation Management Studies. She is proficient in Traffic Engineering software such as 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, 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) and has completed LADOTD's **Traffic Engineering Process and Report (TEPR)** training and work zone training. **.**

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Jonathan Duhe, PE, PTOE, RSP[1]**			Years of experience with this firm/employer	8
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	1
Degree(s) / Years / Specialization			BS / 2011 / Civil Engineering		
Active registration number / state / expiration date			PE 0041047 / LA / 03-31-2023; PTOE No. 4418 / 03-18-2024; RSP No. 282 / 07-17-2022		
Year registered	2016	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Safety and Traffic Analysis; Meets MPR 4: Professional engineer, registered in the state of Louisiana, with professional traffic operations engineer (PTOE) certification and shall have a minimum of five (5) years of traffic-analysis experience with signal warrants and signal timing.		

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 time specified in the applicable MPR(s).
07/21 - present	**FYA Signal Improvement (LCG) (Contract No. 4400013850, T.O. No. H.014579.5) Lafayette, LA:** *Project Engineer*. Oversaw development of signal plans to updgrade 28 intersections to include flashing yellow arrow signal heads as well as backplates.
09/21 - present	**Harding Blvd at I-110 (CP Proj. No. 20-CP-HC-0016), Baton Rouge, LA**: *Traffic Engineer.* Performing a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I-110 Ramps in an effort to improve capacity. Assisted with data collection and Initial Data Collection Report.
09/20 - present	**College Drive Enhancement Project (CP Proj. No. 20-CP-HC-0033), Baton Rouge, LA**: *Traffic Engineer.* Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.
06/20 - present	**I-10/12 College Drive Flyover Design Build (H.013897.1), 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.
04/20 – 06/21	**District 05 Safety Investment Plan (Contract No. 4400010504, T.O. No. H.014295.1) 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.
02/19 – 03/20	**District 07 Safety Investment Plan (Contract No. 4400010504, T.O. No. H.013826.1) 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.
11/17 – 04/19	**District 08 Safety Investment Plan (Contract No. 4400010504, T.O. No. H.013264.1) 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.

16. Staff Experience:

11/16 – 04/19	**LA 385 (Ryan St) Feasibility Study (Contract No. 4400004402, T.O. No. H.012685.1) Lake Charles, LA:** *Traffic Engineer*. Assisted with intersection analysis including Vistro analysis. Assisted with safety analysis including reviewing crashes, creating collision diagrams, identifying conflict points, and using LaDOTD's CATScan tool to analyze safety. Also assisted with report preparation.
02/16 – 10/17	**LA 6 Feasibility Study (Contract No. 4400004402, T.O. No. H.012307.1) Natchitoches, LA:** *Traffic Engineer*. Assisted with intersection analysis including Sychro and Sidra analysis. Assisted with safety analysis including reviewing crashes, creating collision diagrams, and using the HSM Predictive method to analyze safety of potential alternatives. Also assisted with report preparation.
02/15 – 12/17	**US 51 Business (I-12 to Coleman) Corridor Study (Contract No. 4400004064, T.O. No. H.011402.1):** *Traffic Engineer.* Assisted with report preparation.
06/15 – 07/16	**LA 431 at LA 934 Intersection Improvements (H.007855.5), Ascension Parish, LA**: Performed a traffic signal timing study for 5 intersections along LA 431 and signal design plans for the intersection of LA 431 at LA 934 in association with the proposed intersection improvements.
04/18 – 06/19	**LA 1256 Adaptive Signal System, Cameron Parish, LA:** Engineer for modification of 5 traffic signals along LA 1256 from Dave Dugas Road to I-10 in Sulphur, LA in order to implement the SynchroGreen Adaptive traffic signal system.
12/19 – present	**US 80: Intersection @ Bellevue Rd (S.P. No. 44-10504, T.O. No. H.014044.1), Bossier Parish, LA:** *Project Engineer.* Oversaw Intersection Operational Analyses (HCS), safety analysis, alternative development, and traffic report preparation.
03/20 – 06/20	**Braud Rd @ Germany Rd Temp. Signal Design, Gonzales, LA:** *Project Engineer* developed signal layout and timing parameters for temporary signal. Signal design included developing Clearance Calculations, utilizing Synchro for signal timing, designing in MicroStation software, developing Intersection Quantities, and creating a Traffic Signal Inventory)
03/19 - 11/19	**District 08 Signal Timing Study (S.P.No.44-8851, T.O. No. H. 011960.5), Natchitoches, LA:** *Project Engineer* Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs
03/19 - 11/19	**US 61 Signal Timing Study (S.P.No.44-8851, T.O. No. H.011186.5), 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
04/19 - 11/19	**LA 14 Signal Timing Study (S.P.No.44-8851, T.O. No. H.012467.5), Lake Charles, 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
Career History	Mr. Duhe joined Neel-Schaffer in 2013 and has nearly a decade of experience working on a wide range of traffic and transportation projects. Mr. Duhe 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. Mr. Duhe is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Mr. Duhe has completed training and has experience using LADOTD's **CAT Scan safety tool**. Mr. Duhe 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 and work zone training.

16. Staff Experience

Firm employed by Neel-Schaffer, Inc.					
Name	**William Case Fulcher, PE, PTOE, PTP, RSP$_1$**			Years of experience with this firm/employer	5
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	3
Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering; MS / 2015 / Civil Engineering		
Active registration number / state / expiration date			PE 0045329 / LA / 09-30-2023; PE 31725 / MS / 12-31-2022		
Year registered	2021	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Safety Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
12/19 – 12/20	**US 80: Intersection @ Bellevue Rd Stage 0/Feasibility Study (S.P. No. H.014044.1),** Engineer Intern: Performed traffic data collection, safety analysis, and traffic operational analysis.
02/19 – 03/20	**Retainer Contract for Safety Studies, District 07 Safety Investment Plan, 4400010504, Task Order No. H.013826.1.** Engineer Intern: Analyzed and compared safety countermeasures and analyzed crash history to determine potential improvements. Developed a priority list for future safety projects.
08/20 - Present	**I-10 / I-12 College Drive Flyover Design Build, Baton Rouge, LA**: Traffic Engineer, Safety Analyst. Provided the safety analysis for the interchange modification report and traffic management plan for the proposed changes to the merger between I-12 and I-10 in Baton Rouge.
02/18 - 02/19	**Retainer Contract for Safety Studies, District 08 Safety Investment Plan, 4400010504, Task Order No. H.013264.1.** Engineer Intern, Safety Analyst. Identified potential safety improvements to seventy-two locations including both segments and intersections within LADOTD District 08. Developed an Excel based tool to perform benefit/cost comparisons of safety countermeasures. Prepared a ranked priority list of projects.
01/17 – 04/19	**LA 385 Ryan Street Feasibility Study, Lake Charles, LA (S.P. No. 44-4402, T.O. No. H.012685.1),** Engineer Intern. Performed data collection, traffic engineering, and transportation planning services for a feasibility study to determine safety and operational improvements for approximately 1.8 miles of LA 365 in Lake Charles, LA. Services included traffic volume forecasts, intersection and segment analysis, alternative development, and identifying potential safety countermeasures.
02/17 - 10/17	**Runway 13-31 RSA & RPZ Improvement Project Traffic Study (S.P. No. H.011279.1)** Engineer Intern: Provided traffic analysis and transportation planning services for the proposed relocation of LA 67 to provide an extended runway safety area for the Baton Rouge Metropolitan Airport.
02/17 - 02/18	**US 190 & US 171 Signal Timing Study (S.P. No. 44-4064, T.O. No. H.012686.5)** Engineer Intern: Provided traffic engineering services including both the development and implementation of traffic signal timing plans for ten signals in DeRidder, LA.
02/20 – 10/21	**I-59 at US 49 PEL Study, Forrest County, MS:** Traffic Engineer, Safety Analyst. Provided the safety analysis for both existing and future expected conditions. Assisted with traffic engineering services**.**

16. Staff Experience

01/20 – 09/21	**Mississippi State University Master Plan Update, Mississippi State, MS:** Transportation Planner. Services included identifying improvements to existing circulation, identifying new beneficial connections, determining areas of parking need, identifying potential new parking locations.
05/20 – 06/21	**Retainer Contract for Safety Studies, District 05 Safety Investment Plan, Ouachita Parish, LA (S.P. No. 44-10504, T.O. No. H.014295.1):** Project Manager, Traffic Engineer, Safety Analyst. Performed area wide safety screening to identify areas with high potential for safety improvements. Identified potential safety improvements to 76 locations including segments and intersections within LADOTD District 07. Prepared a ranked priority list of projects. Coordinated and led project meetings.
06/17 – 09/18	**I-10 New Orleans Master Plan, Port Access Improvements, New Orleans, LA:** Engineer Intern. Provided traffic engineering and transportation planning services to develop an operational and capital improvement plan for the I-10 corridor at its junction with US 90B to improve congestion and port access.
06/21 - Present	**District 6 Emergency Signal and ITS Repair, Hancock and Harrison Counties, MS:** Traffic Engineer. Performed signal inventories and prepared signal design sheets and quantity takeoffs.
9/21 - Present	**Retainer Contract for Safety Studies, District 61 Safety Study, LA (S.P. No. 44-10504, T.O. No. H.014684.1):** Safety Analyst. Performed area wide safety screening and crash analysis to identify areas with high potential for safety improvements. Identified potential safety improvements to 9 intersections within LaDOTD District 61.
10/21 - Present	**Harding Boulevard at Interstate I-110 ("MovEBR"):** Safety Analyst. Performed crash analysis along Harding Boulevard in the vicinity of I-110 to determine potential safety issues and develop safety improvement recommendations where feasible.
09/20 – Present	**College Drive Enhancements ("MovEBR"):** Safety Analyst. Performed crash analysis along College Drive in the vicinity of I-10 to determine potential safety issues and develop safety improvement recommendations where feasible.
06/21 – Present	**US 51 between Church Road and Green T Road, Desoto County, MS (S.P. No. SPR- 1(1 2l) /1.08597 -1 10000, T.O. No. NS-P/E 2019-04):** Traffic Engineer, Safety Analyst. Provided the safety analysis and assisted with traffic engineering services for improvements to this section of US 51.
05/21 – 09/21	**I-59 at US 49 PEL Study, Forrest County, MS:** Traffic Engineer, Safety Analyst. Provided the safety analysis for both existing and future expected conditions. Assisted with traffic engineering services.
Experience Summary	Mr. Fulcher joined Neel-Schaffer in 2017 after working as a graduate research/teaching assistant for the Mississippi State University Department of Civil and Environmental Engineering. Since joining Neel-Schaffer he has provided a variety of traffic data collection and safety analysis studies and services. Mr. Fulcher has extensive experience in corridor and intersection safety studies. Through the evaluation of crash history, roadway geometrics, and traffic volumes, he evaluates a variety of safety improvements to provide a ranked list of safety improvements. Mr. Fulcher has completed training and has extensive experience with LADOTD's **CAT Scan safety tool.** He also has significant experience in traffic forecasting, modeling, and analysis using CORSIM, HCS, Vistro, Synchro, ISATe, and TruTraffic. Mr. Fulcher is a certified Professional Traffic Operations Engineer (PTOE) and 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	**Hussein Skaikay, PE, RSP**			Years of relevant experience with this employer	6
Title	Project Engineer			Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			BS / 2001 / Civil Engineering; MS / 2004 / Civil Engineering; PhD / 2008 / Civil Engineering		
Active registration number / state / expiration date			PE 0042470 / LA / 03-30-2022		
Year registered	2018	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Safety Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
8/21 - present	**District 61 Intersections Safety Study (Contract No. 4400010504, State Project No. H.014684.1), Baton Rouge, LA** *Traffic Engineer*. Evaluated crash history for study locations and utilized LADOTD's CAT Scan software for pattern recognition and crash report review. Performed cost-benefit analyses and developed countermeasures to improve safety at study locations. Prepared intersection reports with safety analysis, countermeasure selection process, planning level construction cost estimates and potential crash benefits and recommendations.
09/21 - present	**Harding Blvd at I-110 (CP Proj. No. 20-CP-HC-0016), 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. Assisted in safety analyses, crash history, CAT Scan analysis, collision diagrams, and safety appendix.
09/20 - present	**College Drive Enhancement Project (CP Proj. No. 20-CP-HC-0033), Baton Rouge, LA**: *Traffic Engineer.* Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.
06/20 - present	**I-10/12 College Drive Flyover Design Build (H.013897.1), 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.
04/20 – 07/21	**District 05 Safety Investment Plan (Contract No. 4400010504, T.O. No. H.014295.1) District 05, LA:** *Traffic Engineer*. Obtained crash history for study locations and utilized LADOTD's CAT Scan software for pattern recognition and crash report review. Assisted in cost-benefit analyses. Also assisted with report preparation.
02/19 – 04/20	**District 07 Safety Investment Plan (Contract No. 4400010504, T.O. No. H.013826.1) District 07, LA:** *Traffic Engineer*. Obtained crash history for study locations and utilized LADOTD's CAT Scan software for pattern recognition and crash report review. Also assisted with report preparation.
12/17 – 04/19	**District 08 Safety Investment Plan (Contract No. 4400010504, T.O. No. H.013264.1) 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.

16. Staff Experience

5/14 – 3/16	**LA 73 Corridor Study, Ascension Parish, LA:** Observed existing conditions in the field and potential problems along the LA 73 Corridor, from LA 74 to LA 621. Used the turning movement counts to create an excel spreadsheet. Used the spreadsheet to balance the existing volumes. Mr. Skaikay performed crash analysis, which involved identifying potential safety problems and producing crash diagrams to visually display where the crashes occurred. He used the Synchro analyses software to create the roadway network geometry and show level of service and delay.
02/16 – 04/18	**LA 22 Corridor Study (Rou Mar Nei Drive to 1st Street), S.P. No. 44-4064, T.O. No. H.011618.1, LADOTD, Ponchatoula, LA.** Mr. Skaikay assisted with Intersection Operational Analyses (Synchro) for a traffic study to evaluate corridor improvements along LA 22 as well as interchange concepts at I-55. A TIER analysis was performed at the interchange of I-55 at LA 22 to evaluate various interchange configurations. The corridor analysis included HCS analysis to evaluate RCUT and roundabout corridor concepts.
02/16 – 10/17	**LA 6 Feasibility Study, S.P. No. 44-4402, T.O. No. H.012307.1, LADOTD, Natchitoches, LA.** Mr. Skaikay assisted with Data Collection (Traffic Counts), Signal Warrant Analyses, Intersection Operational Analyses (Synchro and Sidra), Traffic Report Preparation for the Stage 0 Study, including a comprehensive safety analysis and traffic study for the purpose of analyzing existing and future conditions along the LA 6 corridor between Parish Road 542 west of I-49 to LA 3278 east of I-49, including the LA 6 interchange with I-49 to determine feasible alternatives that will preserve and enhance mobility and safety.
06/15 – 12/16	**LA 10 Improvements, S.P. No. H.011280, LADOTD, Bogalusa, LA.** Mr. Skaikay was responsible for Data Collection (Traffic Counts), Safety Analyses, Roadway Analyses (HCS), Intersection Operational Analyses (Vistro), Traffic Report Preparation.
03/19 – 11/19	**District 61 Signal Timing Upgrade Study, S.P. No. 44-8851, LADOTD, Baton Rouge, LA.** Mr. Skaikay was responsible for Data Collection (Traffic Counts, Travel time runs, etc), Proposed Traffic Signal Timings, and Proposed New Traffic Signal Inventories (TSIs).
08/16 – 07/19	**US 425 / US 84 Corridor Study, S.P. No. 44-4064, T.O. No. H.011930.1, LADOTD, Vidalia, LA - Ferriday, LA.** Mr. Skaikay assisted with Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (Synchro, Sidra), Warrant Analyses, Traffic Report Preparation.
01/17 – 02/18	**US 80 Traffic Control Signal Upgrade, S.P. No. 44-4712, LADOTD, Shreveport, LA.** Mr. Skaikay assisted with Data Collection (Traffic Counts and Travel Time Runs), Signal Warrant Analyses, Intersection Operational Analyses (Synchro), Signal Designs.
06/15 – 01/18	**LA 39/LA 46/LA 47 Corridor Signal Improvements, S.P. No. 44-4829, T.O. No. H.011514.5, LADOTD, New Orleans, LA.** Mr. Skaikay assisted with Intersection Operational Analyses (Synchro), Signal Design.
Career History	Mr. Skaikay joined Neel-Schaffer in 2016 and has eight years of experience in the engineering and survey fields. For Neel-Schaffer, he has provided services for a wide variety of transportation and traffic-related projects, including traffic impact studies, traffic signal inventory traffic signal studies, and traffic signal design, corridor studies and a variety of safety projects. Mr. Skaikay is trained and knowledgeable in MicroStation, Synchro, Vistro, IHSDM, and **LADOTD's CAT Scan safety tool**. Mr. Skaikay is a certified **Road Safety Professional (RSP1) and work zone training.**

16. Staff Experience

Firm employed by Neel-Schaffer, Inc.					
Name	**Seth Popay, EI**			Years of experience with this firm/employer	2
Title	Project 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			EI 0034729 / LA / 3-31-2023		
Year registered	2021	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Safety and Traffic Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
12/20 – Present	**College Dr. Enhancement Project (MOVEBR) Baton Rouge, LA:** *Engineer Intern.* Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including travel time runs and collecting crash reports. Also assisted with performing a safety analysis using LADOTD's Cat Scan safety tool.
1/21 – 3/21	**District 05 Safety Investment Plan – District 05, LA:** *Engineer Intern.* Assisted with safety analysis using LADOTD's Cat Scan safety tool. Also assisted with One Page Summary reports that were provided to the district.
12/20 – Present	**Proposed Ouachita Middle School TIS – Monroe, LA:** *Engineer Intern.* Assisted with data collection as well as trip generation and trip distribution.
1/21 – 12/21	**I-10 ITS Scott to Lake Charles, Statewide, LA:** *Engineer Intern.* Assisted with design and layout of a new ITS cameras along I-10 between Scott to Lake Charles. (MicroStation)
10/21 – Present	**FYA Signal Improvements, Lafayette, LA :** *Engineer Intern.* Assisted with the data collection for the signal inventory sheets. Also assisted with development of signal plans for the 28 intersections to include flashing yellow arrow signal heads as well as backplates.
3/21 – Present	**Synchronization and Communication Signal Rebuilds – Group 3, Baton Rouge, LA:** *Engineer Intern.* Assisted with data collection and peak hour determination. Performed a safety analysis of all 6 intersections using LADOTD's Cat Scan safety tool. Assisted with signal designs. (Synchro, Clearance Calcs, AutoTurn, MicroStation)
8/21 – Present	**Synchronization and Communication Signal Rebuilds Phase 2 – Group 4, Baton Rouge, LA:** *Engineer Intern.* Assisted with data collection and peak hour determination. Performed a safety analysis of all 6 intersections using LADOTD's Cat Scan safety tool. Assisted with signal designs. (Synchro, Clearance Calcs, AutoTurn, MicroStation)
1/22 – Present	**N 5th St – N 6th St Traffic Study, Monroe, LA –** *Engineer Intern.* Performed a safety analysis of the two corridors as well as a safety analysis of the major intersections along both corridors using LADOTD's Cat Scan safety tool.

16. Staff Experience

8/21 – 2/22	**LA 16 Access McDonalds/ Urgent Care TIS, Watson, LA –** *Engineer Intern.* Assisted with data collection including peak hour observations and TMC counts. Performed turn lane analysis and intersection analysis. (HCS software)
2/22 – Present	**Patriots Point Mixed Use Development TIS, Watson, LA –** *Engineer Intern.* Performed trip generation as well as trip distribution. Assisted with turn lane analysis and intersection analysis. (HCS software)
12/21 – 1/22	**LA 1256 Corridor Study, Lake Charles, LA –** *Engineer Intern.* Collected and reviewed crash reports. Assisted with safety analysis for three intersections along LA 1256 corridor using LADOTD's Cat Scan safety tool.
Career History	Mr. Popay is a new graduate Engineer Intern with experience in multiple traffic and safety engineering software packages including HCS, SYNCHRO, Vissim, SIDRA and LADOTD's **CAT Scan safety tool**.

16. Staff Experience

Firm employed by Neel-Schaffer, Inc.					
Name	**Peter Allain, PE, PTOE**			Years of experience with this firm/employer	4
Title	Senior Traffic Engineer			Years of experience with other firm(s)/employer(s)	37
Degree(s) / Years / Specialization			BS / 1979 / Civil Engineering; MS / 1988 / Civil-Environmental Engineering		
Active registration number / state / expiration date			PE 0020966 / LA / 03-31-2023; PTOE No. 0949		
Year registered	1984	Discipline	Civil and Environmental		
Contract role(s) / brief description of responsibilities			Safety Analysis, 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.
NSI Experience	
1/2022 - Present	US 167: I-10 to Willow Street Roadway Safety Analysis (RSA). 4400010504, Task Order No. H.014959.1. Senior Engineer responsible for conducting existing pedestrian/bike safety analysis within the study, coordinating with stakeholders on RSA meeting and site visit, development of low-cost safety improvements and preparation of the RSA report.
7/2021 - Present	District 61 Intersection Safety Studies, 4400010504, Task Order No. H.014684.1. Senior Engineer responsible for quality assurance and control for CAT Scan analysis, countermeasure selection, countermeasure comparison and intersection study reports and recommendations.
2/2019 – 3/2020	District 07 Safety Investment Plan, 4400010504, Task Order No. H.013826.1. Senior Engineer responsible for quality assurance and control for CAT Scan analysis, countermeasure selection, countermeasure comparison and intersection study reports and recommendations.
2/2018 - 2/2019	District 0 Safety Investment Plan, 4400010504, Task Order No. H.013826.1. Senior Engineer responsible for quality assurance and control for CAT Scan analysis, countermeasure selection, countermeasure comparison and intersection study reports and recommendations.
LADOTD Experience 1981-2017	Mr. Allain has 36 years of engineering experience working for Louisiana DOTD as a consultant and employee. He contracted as Crash Data Engineer for Louisiana Local Technical Assistance Program for 2 years, assisting local agencies with highway safety issues on local roads. He served as the DOTD Traffic Engineering Division Administrator for 14 years, developing and managing statewide policy, project programming and project design of geometrics, traffic control and access. He served as State Traffic Engineer for 8 years, focusing on policy development and implementation by the nine District Traffic Operations Engineers. He worked as the Hydraulic Structures Engineer for 12 years, designing headwalls, retaining walls, catch basins, and manholes as well as performing hydraulic designs for bridges, culverts and storm sewer systems. He is thoroughly familiar with all aspects of traffic engineering and safety analysis for highway design and

16. Staff Experience

operation. He has managed the design of numerous projects including signing, pavement marking, geometrics, and traffic signals. He is knowledgeable of constraints imposed by federal and state statutes and regulations. He has been instrumental in developing many policies, standard plans, and specifications and is thoroughly knowledgeable of federal, state, and local traffic and safety procedures and standards. He has been trained and is technically competent with Syncro, Sidra, ArcMap, Micro Station, and various DOTD traffic engineering and safety software applications.

During his time as DOTD Traffic Engineering Division Administrator, he managed 30+ employees of the Traffic Management Section (Section 77) and the Traffic Development Section (Section 27). In this position he functioned as the program manager for the Operations/Traffic Control Program with annual budget of $15.0 M, and the Operations/Access Management Program with annual budget at $6.5 M.

During his time with DOTD he served as a legal expert in roadway hydraulics, traffic engineering, and accident reconstruction. As legal expert and DOTD representative he responded to legal interrogatories, gave depositions, and testified in court. He assisted in the development of numerous regulations through the Louisiana Administrative Code process on Access Management, traffic operations, speed limits, and outdoor advertising. He testified numerous times at the Louisiana House and Senate Transportation Committees on various traffic engineering issues.

During his time with DOTD he was responsible for the statewide development and application of traffic engineer policy, design, and operations. He was responsible for the review and adoption of revisions to the MUTCD, the development of policy in the form of EDSM's and the Traffic Design Manual. He supervised the development and revision of the DOTD Design Standards, DOTD Standard Plans, and traffic related Standard Specifications. He served on the National Committee on Uniform Traffic Control Devices and assisted in the revision of the MUTCD and served on several NCHRP research studies. Some of his project experience includes:

- **Interstate Signing Program -** Served as program manager, project manager and design engineer for various Interstate signing projects involving the upgrading and replacement of overhead guide signs, regulatory signs, and interchange signs. These projects included the statewide deployment of enhanced mile markers and hurricane evacuation contra flow signing.

- **Interstate Pavement Marking Program -** Served as program manager, project manager and design engineer for various Interstate striping projects involving the periodic replacement of pavement markings. Development of standards such as the use of multiple pavement markings in urban areas and on elevated roadways, and the use of Interstate shields at major Interstate to Interstate interchanges.

Mr. Allain is a certified Professional Traffic Operations Engineer (PTOE) and has completed the **Highway Safety Manual (HSM)** training as well as LADOTD's **Traffic Engineering Process and Report (TEPR)** and **CAT Scan safety tool** training.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Ronald Kirk Gallien, PE, PTOE**			Years of experience with this firm/employer	2
Title	Senior Project Manager			Years of experience with other firm(s)/employer(s)	36
Degree(s) / Years / Specialization			BS / 1984 / Civil Engineering / Louisiana Tech University		
Active registration number / state / expiration date			PE 0023428 / LA / 09-30-2023; PTOE No. 1288		
Year registered	1989	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Safety and Traffic Analysis 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.
1994 – 2007	**DOTD District 05 – District Traffic Operations Engineer**
	• Performed numerous traffic studies and composed numerous traffic engineering reports regarding traffic control such as traffic signal installations and modifications, signing, pavement markings, and establishing speed limits. • Annually investigated and analyzed existing traffic control devices at locations identified as having a high potential for safety improvement and recommended and implemented modifications to improve traffic flow and safety at these locations. • Coordinated and supervised upgrading all traffic signals (approximately 275) in District 05 from electromechanical to electronic controller operations. • Worked closely with private developers and public entities regarding access to proposed developments to ensure conformance with DOTD standards • Completed construction lay-out of pavement markings on numerous highway construction projects, including centerline passing/no passing zone markings on overlay projects. • Served as the legal expert in traffic engineering for District 05, and responded to interrogatories and requests for production, gave depositions, and testified in court **Projects:** • Computerized Traffic Signal System in District 05 (State Project No's. 015-31-0043 & 016-01-0034) – provided technical assistance to the consultant during design of the project 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 (State Project No's. 451-06-0121 & 451-06-0139) – 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 and 2018 – 2020	**DOTD District 05 – Assistant District Administrator of Operations**

16. Staff Experience:

	• Supervised traffic engineering and operations, district-wide roadway maintenance, bridge inspection and maintenance, and roadside development activities in District 05. • Administered all contract maintenance activities in District 05. • Reviewed traffic impact studies and reviewed and approved access connection, utility, and project permits in District 05. • Planned, managed, and directed all emergency response activities in District 05, which included emergency response, repairs, and recovery related to hurricanes, flooding, tornados, and winter weather.
2014 – 2018	**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.
Certifications	• Professional Civil Engineer – State of Louisiana • Professional Environmental Engineer – State of Louisiana • Professional Traffic Operations Engineer • **Traffic Engineering Process and Report (Modules 1, 2 & 3) – DOTD** • Safety Inspection of In-Service Bridges – National Highway Institute • National Incident Management System – FEMA • Crash Investigation and Reconstruction – Northwestern University

16. Staff Experience

Firm employed by Neel-Schaffer, Inc.					
Name	**Charles LeBoeuf, P.E.**			Years of relevant experience with this employer	8
Title	Project Engineer			Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			BS/2012/Civil Engineering MS/2014/Civil Engineering		
Active registration number / state / expiration date			PE 0042854 / LA / 03-31-2023		
Year registered	2018	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic and Safety Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc.
02/21 – Present	**I-10 and I-12 College Flyover Ramp Design-Build Project:** This project documented the expected work zone impacts to I-10, I-12, and nearby surface arterials due to the construction of the College Drive Flyover. Mr. LeBoeuf analyzed the expected work zone impacts using mesoscopic modeling for the first phase of construction. The impacts included queueing, shifts in traffic volumes, and traffic speeds.
07/20 – Present	**MRB South GBR: LA 1 to LA 30 Connector:** This project uses mesoscopic modeling to analyze a proposed new crossing over the Mississippi River from LA 1 to LA 30 between I-10 and LA 70. Mr. LeBoeuf used the existing traffic data to develop peak period volumes and travel times which were to be used in the model calibration and validation. Mr. LeBoeuf developed the Base mesoscopic model by first expanding a previous mesoscopic model to include the West Bank of the Mississippi River from Baton Rouge to Donaldsonville, and then performing Dynamic Traffic Assignments using Origin-Destination (O-D) matrices. Afterwards, Mr. LeBoeuf used the existing traffic data to calibrate the Base model to better reflect existing traffic conditions. Once the Base model was finished, Mr. LeBoeuf then developed the No Build model, which included proposed highway improvements and an updated O-D matrix.
12/18 – 02/19	**I-635 LBJ East Alternative Technical Concepts, Dallas, TX:** Alternative Technical Concepts were proposed for three interchanges associated the I-635 LBJ East Project in Dallas, TX. For this project, Mr. LeBoeuf analyzed the freeway and frontage road elements, comparing the operational changes between the original build concept and the proposed Alternative Technical Concept.
06/18 – 04/20	**LA 328 Corridor Study and Plan, Breaux Bridge, LA:** This corridor study looked at several alternatives for the existing LA 328 (Rees Street) corridor between Latiolais Drive and East Bridge Street in Breaux Bridge, LA. Mr. LeBoeuf developed future peak hour volumes using the Lafayette, LA Metropolitan Planning Organization’s Travel Demand Model results for the No Build scenario, which involved no improvements to study area roadways, and for three Build scenario alternatives, which incorporated extensions of two roadways within the study area. Mr. LeBoeuf performed intersection and roadway segment traffic analyses using the existing and future peak hour traffic volumes. Additionally, Mr. LeBoeuf estimated the expected number of crashes for future scenarios.

16. Staff Experience

01/17 – 08/18	**I-10 Mobile River Bridge Interchange Modification Report, Mobile, AL:** This project analyzed the impacts of the new I-10 bridge crossing the Mobile River to the south of the existing I-10 Wallace Tunnels in Mobile, AL. Mr. LeBoeuf developed future peak hour volumes using the Travel Demand Model results for Mobile and Baldwin Counties for the No Build scenario, which involved no improvements to study area roadways, and for the Build scenario, which incorporated the new I-10 Mobile River Bridge, a widened I-10 Bayway from Mobile to Daphne, AL, and interchange improvements along I-10 within the study area. Mr. LeBoeuf performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for study area intersections.
01/17 – 02/18	**Western Beltway Phase II Feasibility Study, Hattiesburg, MS:** This project determined the feasibility of extending MS 42 from I-59 to US 49 north of Hattiesburg, MS. Mr. LeBoeuf developed existing peak hour volumes and volume characteristics such as peak hour factors and heavy vehicle percentages. Mr. LeBoeuf developed future peak hour volumes using the Hattiesburg, MS Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which involved no improvements to study area roadways, and for the Build scenario, which incorporated two roadway alignment alternatives. Mr. LeBoeuf performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for study area intersections. Mr. LeBoeuf analyzed crash data to determine crash trends and estimate the expected number of crashes for future scenarios. Mr. LeBoeuf also performed a benefit-cost analysis for each scenario using the expected number of crashes and expected changes in travel times.
10/16 – 01/17	**LA 1133 Realignment Study Carlyss, LA.** This realignment study analyzed the operational impacts of closing South Boudoin Road between Sayles Street and East Dave Dugas Road in Carlyss, LA as part of the expansion of the Westlake Chemicals Plant. Mr. LeBoeuf developed future peak hour volumes using the Lake Charles, LA Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which kept South Boudoin Road open. Volumes for the Build scenario were developed by rerouting traffic from Boudoin Road to other roads within the study area. Mr. LeBoeuf performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended improvements for signalized and unsignalized study area intersections with the closure of South Boudoin Road.
Career History	Mr. LeBoeuf joined Neel-Schaffer in 2014 and has six years of experience in the engineering field, including 18 months as a Co-Op student with the Louisiana Department of Transportation and Development. Since joining Neel-Schaffer, Mr. LeBoeuf has provided a wide variety of transportation-related services, including travel demand modeling, GIS, crash analysis, and traffic analysis. He also has experience in the collection of turning movement counts for development projects.

Firm employed by Neel-Schaffer, Inc.					
Name	**Santosh Andem, P.E., PTOE**			Years of experience with this firm/employer	10
Title	Senior Traffic Engineer			Years of experience with other firm(s)/employer(s)	4
Degree(s) / Years / Specialization			B. Tech/2003/Civil Engineering M. S./2006/Civil Engineering		
Active registration number / state / expiration date			No. 0036465 / LA / 03-31-2022 PTOE No. 3017		
Year registered	2011	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic and Safety Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
01/14 – Present	**Roundabout Stage 0 Studies, Lafayette Consolidated Government, Lafayette, (SPN H.004490)** This is a task order contract to conduct Stage 0 Feasibility Studies which evaluate constructability, safety, and operations of modern roundabout at 23 intersections. Tasks completed by Mr. Andem include signal warrant analysis, crash analysis, spot speed data analysis, evaluation of existing conditions, forecasting future volumes using Lafayette Metropolitan Organization Travel Demand Model, and preparation of the report detailing the findings and recommendations.
04/18 – Present	**Rees St (LA 328) Corridor Study (State Project No. H.013023, F.A.P. No. H.013023)** This is a feasibility Study of improving LA 328/Rees Street from Latiolais Drive to Bridge Street. Tasks completed by Mr. Andem include data collection, intersection/corridor analysis, field review observations, intersection and corridor safety analysis for No Build and existing conditions, forecasting future volumes and active participation in public meetings.
04/18 - Present	**LA 1256 Corridor Study from Patton Street to Dave Dugas Road, Calcasieu Parish, Louisiana** This project involves widening of LA 1256 from Patton Street to Dave Dugas Road. Three Roundabout intersection are analyzed. Tasks completed by Mr. Andem includes intersection and corridor safety analysis, data collection, roundabout analysis using SIDRA, writing technical memorandum documenting conclusions and recommendations.
01/12 – 06/13	**Baton Rouge Metropolitan Planning Organization (MPO) Transportation Plan Update, LADOTD, EBR, WBR, Ascension, Livingston and Iberville Parishes, LA:** Mr. Andem worked on the safety element of this project. Tasks completed by Mr. Andem included identifying high crash segments/intersections, crash patterns, determination of contributory causes and developing report detailing findings and recommendations.
01/14 – 1/15	**Lake Charles Urbanized Area Metropolitan Transportation Plan (MTP) 2040, Calcasieu Parish, LA:** Mr. Andem worked on the safety element of this project. Tasks completed by Mr. Andem included identifying high crash segments/intersections, crash patterns, determining contributory causes and developing report detailing findings and recommendations. benefit cost analysis, monthly progress reports, meeting minutes and preparation of the report detailing study findings and recommendations.

03/12 – 04/12	**N. University Avenue (LA 182) Widening, Lafayette Consolidated Government, Lafayette, LA:** This project involves widening of University Avenue between I-10 and Pont des Mouton Road. Three roundabout geometry intersections are proposed. Tasks completed by Mr. Andem includes preparing a VISSIM model for build scenario, air quality analysis using MOVES 2010a and preparing air quality report documenting study findings.
10/12 – 01/13	**LA 935 (LA 431 to LA 22) Safety Study/Stage 0 Feasibility Study, LADOTD, Ascension Parish, LA:** This is a Safety Stage 0 Study. Tasks completed by Mr. Andem included the identification of crash clusters, the review of hard copy police reports, determinization of the contributory causes and the development and evaluation of the effectiveness of proposed alternatives using IHSDM.
Career History	Mr. Andem joined Neel-Schaffer, Inc. in 2011. Mr. Andem serves as a traffic engineer/transportation planner for traffic impact studies, traffic simulation models, signal timing, local and regional travel demand models, corridor analysis, demographic forecasting and other traffic engineering related projects for both public and private developments. He has extensive experience in traffic engineering which includes safety studies related to intersection/lane departure/pedestrian, signal warrant analysis, roadside hazard, fatal crash reviews, corridor analysis, qualitative assessment, signal timing, signal design traffic impact studies and traffic control. Mr. Andem has experience in using Synchro/Sim Traffic, Highway Capacity Software (HCS), VISSIM, Tru-Traffic, AutoCAD, Microstation and SignCAD. Additionally, he has working knowledge of CORSIM and TransCAD. **He completed the Highway Safety Manual. 2 ½ day workshops conducted by the FHWA Resource Center, NCHRP 17-38 in May 2014**.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Dishili Young, PE, PTOE**			Years of experience with this firm/employer	4
Title	Senior Project Manager			Years of experience with other firm(s)/employer(s)	15
Degree(s) / Years / Specialization			BS / 2002 / Civil Engineering / LSU; MCE / 2018 / Auburn University		
Active registration number / state / expiration date			No. 0033723 / LA / 9/30/2022		
Year registered	2008	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Stage 0; Design; Meets MPR 3: Principal or responsible member of the prime consultant shall be a professional civil engineer, registered in the state of Louisiana, and shall have a minimum of five (5) years of experience in responsible charge of roadway design projects.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
Stage 0 Experience	
04/7/20 - Present	**H.014514.1: Earhart Expressway Masterplan Stage 0 Study:** Ms. Young is serving as project manager
02/20 – Present*	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA:** The project includes bridge replacements, upgrading and extending existing roadway. management, road design, stage 0 report, checklist, cost est.
02/20 – Present*	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA:** Ms. Young is assisting with the roadway design, stage 0 report, checklist, cost estimate and managing the project.
06/13 – 09/20*	**H.04490: Stage 0 Feasibility Studies, Modern Roundabouts, Lafayette Metropolitan Area (Retainer):** Engineering in support of Stage 0 Scope and Budget Checklist for 24 separate roundabouts. QA/QC
03/13 – 03/16	**H.010211.1: Stage 0 Feasibility Study and Environmental Inventory for I-110 NB Ramp at Capitol Access Rd:** Ms. Young served as project manager and engineer.
02/15 – Present*	**H.011242.1: Stage 0 Feasibility Study and Environmental Inventory for LA 384 (Big Lake Road to McNeese Street) in Calcasieu Parish for LADOTD:** Ms. Young served as project manager and engineer.
05/15 – present*	**H.011279.1: Stage 0 Feasibility Study LA 328 (Latiolais Drive to Julie Street):** Ms. Young was manager and engineer.
09/15 -Present*	**H.011280.1: Stage 0 Feasibility Study LA 10 (Improvements in Bogalusa**): manager and engineer.
03/13 - 03/14*	**H.010571.1: Stage 0 Feasibility Study and Environmental Inventory for LA 70 Bypass in Assumption Parish for LA DOTD:** Ms. Young served as project manager and engineer for this project.
06/14 - 12/16*	**H.010572.1: Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44) in Ascension Parish for LADOTD:** assisted with the geometrics, 18 stakeholder mtgs, public mtgs, Stage 0 report, checklist and cost estimate.
8/08 – 10/09	**SPN 700-96-0007: Stage 0 Feasibility Study and Environmental Inventory for Additional Capacity of I-10 from Siegen Lane to Sorrento for LA DOTD:** Ms. Young served as the Engineer creation/revisions to alignments, and coordination
9/10 -12/11	**SPN 700-90-0019: I-12 Corridor Study (Stage 0 Feasibility and Environmental Inventory) for LA DOTD:** Ms. Young served as the Engineer for this project typical sections, horizontal alignment. design criteria and reviewed alignments

16. Staff Experience:

Design, Specifications, and construction cost estimating experience	
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 (preliminary and final Plans) and construction related engineering. Ms. Young is the project manager. The task orders under this project are as follows: **Local Road Signing (Vermilion) (SPN).013014);** The project includes ball-bank study, striping and signing to improve the safety along roadway segments and curves. **Independence SRTS – Phase II (SPN. H.010108.1);** The project includes approximately 4,100 feet of sidewalks, 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 40 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.
08/17 – 5/19*	Juban Road Widening, S.P.N. H.004634 Juban Rd. Widening: Ms. Young is serving as the engineer of record and is managing the completion of the design services for this project which will widen LA 1026, construct two multilane roundabouts and two new frontage access roadways.
04/15 – 08/17*	LA 73 Turn Lanes: Ms. Young served as engineering design manager for this project which will construct turn lanes at multiple locations along LA 73 to improve safety. The design completed in accordance with LADOTD guidelines.
08/17 – Present*	Ham Reid at LA 3092 Intersection Improvements: Ms. Young served as engineer of record for this project which will construct a roundabout at the intersection of LA 3092 and Ham Reid Rd. completed in accordance with DOTD guidelines.
Career History	Ms. Young has almost 20 years of progressive experience which includes program management, engineering management, project management and engineering design. Her experience includes the management and design of projects which include low-cost safety improvements and capacity improvements. Her experience includes the management and design of several projects under NSI's existing IDIQ for DOTD design of safety projects contract and providing design support for NSI's existing IDIQ Contract for Safety Studies. She has completed graduate level safety courses while obtaining her MCE at Auburn University. As part of a course on the HSM, she completed research and a paper for submission to TRB for the "Determination of CMF for Channelized Right Turns with Modified Smart Channel Geometry". Additional training: ATSSA Traffic Control Supervisor Training Course, ATSSA Traffic Control Technician Training Course, NHI Course No. 142005 - NEPA Transportation Decision Making, FHWA Highway Safety Manual Workshop, Roadside Safety Design by the Federal Highway Administration and National Highway Institute, and work zone training.

*Notes projects which included safety improvements

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Mai Nguyen, PE**			Years of experience with this firm/employer	6
Title	Roadway Design Engineer			Years of experience with other firm(s)/employer(s)	7
Degree(s) / Years / Specialization				BS / 2008 / Civil Engineering	
Active registration number / state / expiration date				PE 0038189 / LA / 03-31-2022	
Year registered	2013	Discipline		Civil	
Contract role(s) / brief description of responsibilities				Stage 0, Design	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
07/21- Present	**H.013014 Local Road Signing (Vermillion), Vermillion Parish, LA:** This project will provide low-cost safety improvements and is a local road safety project. This project provides safety improvements by replacement of signs that are not in compliance with current MUTCD standards, installation of new signs and enhanced pavement striping. Ms. Nguyen is responsible for developing plans, quantities and cost estimates. / *Project Engineer*.
02/20 - Present	**I-20 @ LA 544 Overpass Replacement, Lincoln Parish, LA:** This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with connections to ramps and service roads with adjacent businesses. Ms. Nguyen is responsible for developing roadway plans in accordance with LADOTD design guidelines. Her main tasks include geometric layouts and connections, 3-D roadway models, Autoturn, sequence of construction, estimated quantities and project cost estimates. / *Design Engineer.*
2019 – Present	**IDIQ Contracts for Design of Safety Projects (Contract No. 4400013850):** Majority of the work is in Districts 02, 61 and 62. Ms. Nguyen is responsible for assist developing multiple Feasibility Studies for various safety projects involving new sidewalk, cross walks, signing, ADA ramps, striping, and etc.. Her main tasks include new sidewalk alignments, estimated project cost, anticipated number of plan sheets, project schedule for engineering and construction and signing plans. Once the study is accepted by DOTD and the Parish, then it will go into design phase. / *Design Engineer*
02/20 – 01/22	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road), Desoto Parish, LA:** This project provides a connection between I-49 and the proposed future I-69. The project included the stage 0 report, checklists, conceptual layout, and cost estimates. The project also included widening, upgrading, and extending existing roadway. / *Design Engineer*
02/20 – 01/22	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road), Caddo Parish, LA:** This project when combined with the proposed I-69 will provide a connection between Port of Caddo-Bossier and I-49. The project included the stage 0 report, checklists, conceptual layout, and cost estimates. The project also included bridge replacements, upgrading and extending existing roadway to current design guidelines. / *Design Engineer*
02/18 – 06/21	**Districts 5, 7, and 8 Safety Investment Plan:** Ms. Nguyen was responsible for high level concept layouts for low-cost safety improvements throughout the district including roundabouts, realign intersections, installed raised crosswalk, access management, add sidewalk and paved shoulder, and turn lane. She also responsible for calculated quantities and cost estimation. / *Design Engineer*

16. Staff Experience:

09/17 – 03/20	**MA-18-03-A/B: Move Ascension Turn Lane Projects @ LA 73, Ascension Parish, LA:** Ms. Nguyen was responsible for developing preliminary and final design services for turn lane improvements on LA 73 at Brown Road and Oakland Drive. Challenges included utilities conflicts and bridge constraints. She completed preliminary, final design and construction proposal. She also completed conceptual layouts, construction cost estimates for the traffic analysis as part of the conceptual analysis phase. / *Design Engineer*
08/17 – 07/18	**I-10 New Orleans Master Plan Stage 0 Feasibility Study:** Ms. Nguyen 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. This project also involved an elevated railroad crossing of the Union Train Station in New Orleans. */ Design Engineer*
04/18 - 04/20	**H.013023: Rees St. (LA 328) Stage 0 Study (Design Study), St. Martin Parish, LA:** This project will provide a median divided section with roundabouts and bike and path. Two alternatives were considered. / *Design Engineer*
06/13 – 09/20	**Stage 0 Feasibility Studies, Modern Roundabouts, SPN: H04490, Lafayette Metropolitan Area (Retainer):** Engineering in support of Stage 0 Scope and Budget Checklist for 24 separate roundabouts. This project focuses on the improvement of traffic flow and safety at each intersection & interchange. Mr. Andrepont provided concepts and cost estimates. */ Design Engineer*
09/15 - 10/17	**H.011454.1: LA 22 (Dalwill to Rodger Storm) Corridor Study (Contract No. 4400004064):** LA 22 Corridor Study Includes analysis of six roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study. */ Design Engineer*
02/16 - 04/18	**H.011618.1: LA 22 (Rou Mar Nei to 1st) Corridor Study (Contract No. 4400004064):** LA 22 Corridor Study includes analysis of proposed roundabout interchange (6 roundabouts) geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study. */ Design Engineer*
Career History	Ms. Nguyen has over 13 years of experience as a Roadway Design Engineer, including over six years working for LADOTD roadway design. She is proficient with developing roadway plans in accordance with LADOTD design guidelines. She has completed numerous roadway construction plans, including roadway alignments, typical sections, cross sections, geometric details, graphical grades, drainage design, construction sequencing, striping, signing layout, and cost estimates. She also has completed countless interchange geometric layouts, roundabouts, and unconventional intersections following AASHTO and LADOTD design guidelines. She is experienced with feasibility studies, stage 0 reports, roadway concept layouts for traffic studies, develop high level cost estimates for multiple District Safety Investment Plans, and working with Contractors and LADOTD Engineers to ensure the project is constructed according to plans. She is Certified as a Work Zone Traffic Control Supervisor, Technician and Flagger.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Chance Shuckrow, PE**			Years of experience with this firm/employer	8
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization			BS / 2014 / Civil Engineering		
Active registration number / state / expiration date			No. 0042746 / LA / 03/31/2023		
Year registered	2018	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Stage 0, Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
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 (preliminary and final Plans) and construction related engineering. Mr. Shuckrow is providing engineering design support. The task orders under this project are as follows: **Local Road Signing (Vermilion) (SPN).013014);** The project includes ball-bank study, striping and signing to improve the safety along roadway segments and curves. **Independence SRTS – Phase II (SPN. H.010108.1);** The project includes approximately 4,100 feet of sidewalks, 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 40 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.
09/20 – Present	**H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA:** This project considers multiple alternatives along a 5.5 mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more. Mr. Shuckrow will provide roadway support and help with the cost estimate.
02/20 - Present	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA:** This project will provide a connection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and extending existing roadway. Assist with road design, stage 0 report and cost estimate.
02/20 - Present	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA:** This project when combined with the proposed I-69 will provide a connection between Port of Caddo-Bossier and the proposed future I-69. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines. Assisted road design, stage 0 report and cost estimate.

16. Staff Experience:

06/13 – 09/20	**Stage 0 Feasibility Studies, Modern Roundabouts**, SPN: H04490, Lafayette Metropolitan Area (Retainer) Engineering in support of **Stage 0 Scope and Budget Checklist** for **24 separate roundabouts**. This project focuses on the improvement of traffic flow and safety at each intersection & interchange. Mr. Shuckrow assisted with the review of the roadway design and cost estimates.
04/18 - 04/20	**S.P. No. H.013023: Rees St. (LA 328) Stage 0 Corridor Study (Design Study), St. Martin Parish, LA** – This project focuses on the overall improvement of safety along the corridor. He reviewed the proposed road alignment, several roundabout intersection, roadway widening with sidewalks and bike path and cost estimates the corridor in Breaux Bridge, LA.
11/15 – Present	**Southcity Parkway Extension, Phase 1, Robley Drive to Kaliste Saloom Road, Lafayette Parish, Lafayette Consolidated Government (LCG). EA and Final Design.** Final Design of 2-mile four lane median divided roadway with 3 multilane roundabout intersections and a major bridge crossing the Vermilion River. Completed the vertical and horizontal alignments, modeled the project with Bentley software and completed the drainage design. Mr. Shuckrow serves as the engineer of record for this project assisting with the roadway design, **stage 0 feasibility study and EA**.
03/15 – Present	**St. Martinville Bypass (LA31) Environmental Assessment and Line and Grade Study in St. Martinville, LA (SPNH.004924.5)** Includes five roundabout geometry intersections at connections with state routes. Assisted in geometric design of roadway alternatives and in the development of horizontal and vertical profiles.
11/14 – 04/17	**US 190 Collins Boulevard Line and Grade Study for NORPC in St. Tammany Parish (SPN H.004987):** Includes ten roundabout geometry intersections. Assisted in geometric layout of roadway and design of horizontal and vertical profiles for line and grade study.
02/20 - Present	**I-20 @ LA 544 Overpass Replacement, Lincoln Parish, LA:** This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and four roundabouts. Mr. Shuckrow is providing design support. Mr. Shuckrow assisted with the drainage design and provided roadway design support.
08/14 – 05/19	**Juban Road (LA1026) Widening for Livingston Parish Government in Livingston, LA (SPNH.004634.5)** Final design for reconstruction of Juban Rd as a four-lane median divided roadway with multilane roundabouts intersections. Completed vertical and horizonal alignments and modeled the project with Bentley software, assisted with the drainage design and preparation of plans.
09/15 – Present	**Ham Reid Road at Lake Street Intersection Improvements, Calcasieu Parish, LA:** Project includes the final design of a multilane roundabout. Completed the roundabout design, drainage design, and developed plans.
06/18 – 03/20	**Move Ascension Project No. MA-18-03: LA 73 Turn Lanes at Brown Road/ LA 73 Turn Lanes at Oakland Drive:** Served as designer on project, working mainly on drainage design for 2 separate turn lane projects. Work included delineating existing drainage and design of new structures.
11/16 – 08/19	**LA 385 Stage 0 Feasibility Study:** This project focuses on safety improvements along the LA 385 corridor between LA 3186 south of I-10 to Eddy Street north of I-10. Mr. Shuckrow provided engineering design support.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Stephen Perault**			Years of experience with this firm/employer	5
Title	Senior Technician			Years of experience with other firm(s)/employer(s)	33
Degree(s) / Years / Specialization			N/A		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Stage 0, Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
02/21 - present	**H.013621.1: LRSP Signs, Striping & X-Overs (Gonzales):** This project consists of safety improvements on Irma Blvd and LA 30. It includes replacing signs, striping and geometric modification of cross overs. Assisted in concept layouts and cost estimate.
02/21- present	**H.010108.5: Independence SRTS – Phase II, Tangipahoa Parish, LA:** This project consists of adding sidewalks along Pine St, LA 40 and N Oak St to provide accessibility and safety for pedestrians. Assisted in the feasibility study, sidewalk geometric design, plan production and cost estimate.
10/21- present	**H.013014.5: Local Road Signing (Vermilion), Vermilion Parish, LA:** This project consists of development of plans, specifications and engineer's estimate for Low-Cost Safety improvements. It included removing and replacing existing signs and striping. Assisted with geometric layout, plan production and cost estimate.
09/20 - Present	**H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA:** This project considers multiple alternatives for safety improvements along a 5.5-mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more.
02/20 – 1/22	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA:** This project will provide a connection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and extending existing roadway. Assisted with the cost estimates and concept layouts.
02/20 – 1/22	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA:** This project when combined with the proposed I-69 will provide a connection between Port of Caddo-Bossier and I-49. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines. Assisted with the cost estimates and concept layouts.
08/15 - 12/16	**H.010572.1: Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44) in Ascension Parish for LADOTD:** This project included a tiered analysis which analyzed 20 interchange types for the LA 30 and I-10 interchange. Assisted with the geometrics, and cost estimates.
08/15 – present	**H.011279.1: Stage 0 Feasibility Study LA 328 (Latiolais Drive to Julie Street):** Assisted in concept layouts and cost estimate. This project considers multiple alternatives along a 5.5-mile portion of LA 10. includes roundabouts, additional capacity, access management, couplets and more.
08-15 – 03/16	**H.010211.1: Stage 0 Feasibility Study and Environmental Inventory for I-110 NB Ramp at Capitol Access Rd:** Assisted with cost estimate and concept layouts.

16. Staff Experience:

08/15 - Present	**H.011242.1: Stage 0 Feasibility Study and Environmental Inventory for LA 384 (Big Lake Road to McNeese Street) in Calcasieu Parish for LADOTD:** Assisted with layouts and cost estimates.
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.
09/18 – 12/18	**I-20/220 Interchange Improvement & BAFB Design-Build Project:** Mr. Perault assisted with the preliminary plan production. The project proposal included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad.
01/05 – 07/07	**Denham Springs, Watson, Denham Springs, LA**: Designed the roadway for the widening of LA 16 from two to four lines. Responsible for the development of preliminary and final roadway plans and prepared construction cost estimate.
01-19 – 12-19	**LA 73 (Old Jefferson Highway) Turn Lanes, Ascension Parish, LA**: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. Mr. Perault is assisting in the design and plan production for this project. The design is being completed in accordance with LADOTD guidelines.
02/20 - Present	**Route I-20, I-20: LA 544 Overpass Replacement, Lincoln Parish, LA:** Mr. Perault is assisting in the design and plan production for this project. This project begins North of the LA 544 and Woodward Avenue intersection and ends South of LA 544 and Gains Avenue intersection. It will replace the LA 544 Overpass diamond interchange with a double roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts.
Career History	Mr. Perault has almost 40 years' experience in roadway design which includes the design of interchanges, new urban and rural roadways, widening for existing corridors, intersection improvements, as well as over 25 roundabout projects. He has completed work for State, Parishes and industry. His project experience at LADOTD includes: **US 190: Roundabout at Eden Church RD.** S.P. H.000466: Project included a 3-legged Roundabout at the intersection of US 190 and Eden Church Rd. Responsible for the design and development of preliminary and final roadway plans, and prepared the construction cost estimate. **LA 637: Port of S. Louisiana Connector** S.P. H.008322: Responsible for the design and development of preliminary and final roadway plans for the widening of LA 637 from 2 to 3 lanes and prepared the construction cost estimate. **Existing 3-Lane to Contraband Bayou Bridge** S.P. H.003969: Designer of the preliminary and final roadway plans that involved the widening on LA 1138-2 from 2 to 3 lanes and a 3-legged Roundabout at the intersection of Holly Hill Road and LA 1138-2 and assisted with the construction cost estimate. **LA 16 Widneing, 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.

Firm employed by Neel-Schaffer, Inc.					
Name	**Barry Brupbacher**			Years of experience with this firm/employer	15
Title	Senior Project Manager			Years of experience with other firm(s)/employer(s)	33
Degree(s) / Years / Specialization			B.A. / 1972 / Political Science; M.S. / 1990 / Urban Studies		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Stage 0		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
09/20 – Present	H.011280.1: **LA 10 Stage 0 Phase 2**, Washington Parish, LA: This project considers multiple alternatives along a 5.5-mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more. Environmental Lead.
02/20 - Present	H.014054.1 **I-69 Stage 0 Frontage Road (Stonewall Frierson Road)** Desoto Parish, LA: This project will provide a connection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and extending existing roadway. Environmental Lead.
02/20 - Present	H.014056.1: **I-69 Stage 0 Frontage Road (Ellerbe Road)** Caddo Parish, LA: This project when combined with the proposed I-69 will provide a connection between Port of Caddo-Bossier and the proposed future I-69. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines. Environmental Lead
04/7/20 - Present	H.014514.1: **Earhart Expressway Masterplan Stage 0**: Environmental Lead
01/09 – 12/09	**Interstate 10 Frontage Road Feasibility Study** in Lafayette, LA. (LADOTD Project No: 736-28-0042), The project involved a traffic and line & grade study of I-10 for a 10-mile corridor extending from LA 93 to Louisiana Avenue in Lafayette, LA. The primary purpose of the project was to develop viable conceptual alternatives for frontage roads parallel to and/or adjacent to the I-10 corridor within the study area. Project Planner supporting the alternatives development.
12/14 – 12/19	**Stage 0 Feasibility Studies of Modern Roundabouts, Lafayette MPO area, (Project No. H04490),** Stage 0 studies supporting potential roundabouts at 23 intersections. Performed QA/QC of Stage 0 Reports
01/10 – 01/11	**Route LA 3234 Stage 0 Feasibility Study**, Tangipahoa Parish, LA (State Project No. H.008915.1 The project will improve east-west connectivity through Hammond by extending LA 3234 from its current terminus at LA 1065 to Hammond Northshore Regional Airport. Project Planner responsible for the development of the Stage 0 Reports
04/10 – 12/10	**Stage 0 Feasibility Study, Route LA 182 (North University Avenue) Widening**, I-10 to West Pont des Mouton Road, Lafayette Parish (Lafayette Consolidated Government (LCG) Contract No. 500-10-034, State Project No. H.009335) Project supports the widening of LA 182 to four lane capacity. The Study / EA included traffic studies, environmental screening and alternative concepts for widening the 2-mile route. Multiple roundabouts are provided. Project Manager

07/15 – Present	**US 90 Pearl River Bridges Environmental Assessment, St. Tammany Parish, LA and Hancock County, MS, State Project NO. H.000284 & NO. H.000286,** Work includes the preparation of an Environmental Assessment, as well as line and grade engineering for fixed and movable span bridge alternatives for the West Pearl and East Pearl Rivers and fixed span concepts for the three middle rivers. ***Alternatives include placement of new bridges on the existing alignments utilizing temporary bypass structures, as well as alternatives supporting upstream and downstream bridge concepts. For the East Pearl River both concrete and steel span structures were considered.*** Work also includes navigation studies and supporting environmental studies. *Project Manager*
11/15 – 12/19	**Southcity Parkway Extension, Phase 1, Robley Drive to Kaliste Saloom Road, Lafayette Parish, Lafayette Consolidated Government (LCG).** Environmental Assessment (EA) developed in conformance with USCG guidance, engineering line and grade and technical environmental studies supporting the design and construction of Southcity Parkway extension from current terminus west of the Vermillion River to Kaliste Saloom Road including a crossing of the Vermillion River. *Project Manager*
Career History	Mr. Brupbacher has over 40 years of diversified planning experience performing in both public and private sector consulting. His broad range of experience includes project development, public involvement, and the preparation of NEPA documents for roadway, freight rail and transit projects, transportation planning, roadway alignment studies, zoning and land use planning. He completed **NHI course No. 142005, NEPA and Transportation Decision-making and NTI Course,** Managing the Environmental Process.

16. Staff Experience

Firm employed by Neel-Schaffer, Inc.			
Name	**Lonny Territo**	Years of relevant experience with this employer	8
Title	Senior Technician	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		Certified in Work Zone Traffic Control Supervisor, Technician and Flagger.	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Data Collection as needed	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
01/22 - Present	**Cargill Reserve Pedestrian Crossing Traffic Study Reserve, LA :** Performed traffic and pedestrian counts.
10/20 - Present	**Hurricane Laura Signal Repairs:** Providing traffic signal damage assessment and CEI / monitoring services for signal repairs in Lake Charles from Hurricane Laura.
02/2019 - 03/2020	**District 07 Safety Investment Plan, DOTD District 07** (SPN 4400010504, Task No, H.013826.1)**:** Performed traffic counts and site visits to collect site conditions and photos.
12/2017 - 03/2019	**District 08 Safety Investment Plan, DOTD District 08**(SPN 4400010504, Task No, H.013264.1)**:** Performed traffic counts and site visits to collect site conditions and photos.
06/14 – 11/20	**Baton Rouge Computerized Signalization, Phases IV and V (Phase IV – 013-05-0043, 742-17-0125 & 258-02-0036, Phase VA – H.001609, Phase VB – H.007160)** 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 uploads.
09/14 – 01/18	**District 02 Traffic Signal Inventory Retainer Contract, – LA 39, LA 46 & LA 47 Corridor Improvements (28 intersections) (4400004829, Task Order H.011648.1/5)** Performed traffic counts and traffic controller uploads.
09/14 – 01/18	**District 02 Traffic Signal Inventory Retainer Contract, LA 39, LA 46 & LA 3021 Corridor Improvements (26 intersections), (4400004829, Task Order H.011642.5)** Performed traffic counts and traffic controller uploads.
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 uploads.
09/14 – 01/18	**District 02 Traffic Signal Inventory Retainer Contract, US 90, US 61 & LA 611-9 Corridor Improvements (20 intersections) (4400004829 Task Order H.011646.5)** Performed traffic counts and traffic controller uploads.
09/14 – 01/18	**District 02 Traffic Signal Inventory Retainer Contract, US 61 & LA 3154 Corridor Improvements (23 intersections) (4400004829 Task Order H.011514.5)** Performed traffic counts and traffic controller uploads.
08/14 – 08/17	**Retainer Contract for Traffic Signal Engineering, US 80 Traffic Control Signal Upgrades (4400004712)** Provided signal design plans and signal timing plans at 20 intersections along US 80 in Shreveport, LA. Performed traffic counts and traffic controller uploads.

16. Staff Experience

07/14 – 12/14	**Baton Rouge Computerized Signalization Phase VA – H.001609**, 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, (400000691 T.O. H.005750) 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 uploads.
12/14 – 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02, (400000691 T.O. H.005757) 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 uploads.
12/14 – 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02, (400000691 T.O. H.005759) 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 uploads.
12/14 – 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02, (400000691 T.O. H.010699) 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 uploads.
12/14– 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02, (400000691 T.O. H.010700) 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 uploads.
12/14 – 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02, (400000691 T.O. H.009321) 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 uploads.
Career History	Mr. Territo joined Neel-Schaffer in 2013 and has nine years of experience in the data collection field. Since joining Neel-Schaffer, Mr. Territo has provided a variety of transportation-related services, including data collection, construction inspection and traffic signal design. He also holds the following IMSA certifications: Work Zone, Traffic Signal Inspector, Certified Fiber Optic Technician, Traffic Signal Design/Engineering Tech. Level 2, Traffic Signal Senior Field Tech. Level 3 as will as is certified in Work Zone Traffic Control Supervisor, Technician and Flagger.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Monica Patel, CERPIT**			Years of experience with this firm/employer	<1
Title	Environmental Scientist			Years of experience with other firm(s)/employer(s)	10
Degree(s) / Years / Specialization			B.A. / 2006 / Economics M.S. / 2010 / Environmental Management		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Environmental Scientist		

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 time specified in the applicable MPR(s).
	Mississippi Department of Marine Resources, Bureau of Coastal Preserves, Ecological Risk Assessment and Management Planning, Hancock, Harrison, and Jackson Counties, MS: Lead spatial analyst and model developer of comprehensive ecological risk assessment. Developed a programmatic management plan with site-specific strategies for more than 35,000 acres within 13 sites.
	Mississippi Department of Marine Resources, Bureau of Coastal Preserves Invasive Species Assessment, Hancock, Harrison, and Jackson Counties, MS: Lead field scientist for two post-treatment invasive plant species. Monitored 26 sites totaling 3,000 acres. Conducted field data collection, GIS analysis, tabular data analysis and report preparation.
	MDEQ Beneficial Use Marsh Monitoring, Hancock, Harrison, and Jackson Counties, MS: Lead field scientist for vegetation and elevation/topography monitoring of reference sites to inform beneficial use of dredged material. Conducted field data collection, GIS analysis, tabular data analysis and report preparation.
	USACE Fort Worth District Forage Study, US Army, Fort Hood, TX: Field scientist for grazing rangeland analysis in support of NEPA document development. Conducted field data collection in a 196,000-acre military installation, GIS analysis, tabular data analysis and report preparation.
	Mississippi Department of Marine Resources, Bureau of Wetland Permitting Permit Application Procedures, Biloxi, MS: Project Lead for the evaluation of existing permitting process, stakeholder survey data synthesis, and coastal zone agencies to recommend improvements to the coastal zone permit application and process.
	MDEQ Round Island Intertidal Circulation Enhancement, Jackson County, MS: Field scientist for an estimated 800-acre beneficial use site construction project. Conducted topopgraphic survey to produce a topographic engineering drawing of the as-built project using a combination of drone photogrammetry and in-situ RTK elevation measurements.
	MDOT Wetlands Assessments, Hinds and Copiah Counties, MS: Field scientist and author for a Wetlands & Other Waters Assessment for a bridge replacement along US 51 and two bridge replacements along US 27. Conducted field assessment, GIS analysis, and report preparation.
	Land Trust for the Mississippi Coastal Plain, Bayou Auguste Marsh Restoration and Greenway, Biloxi, MS: Field Scientist for tidal marsh and wetland vegetation surveys, development of basis of design documents for restoration plan to inform design specifications for multi-phase urban greenway and wetland restoration project along Bayou Auguste.

16. Staff Experience:

	Wetland Delineation and Phase I ESA, Mississippi State Port Authority Compress Site: Field Scientist for wetland delineation and Phase I Environmental Site Assessment on a 38.6-acre commercial site. Conducted field work, GIS analysis, and report preparation. This project included review of comprehensive environmental compliance including Section 404 wetland fill violations identified during wetland delineation.
	East Pier Roadway Master Plan, Gulfport, MS: Pilot for unmanned aerial systems (UAS) mission to collect aerial photos for orthorectified imagery creation and Digital Surface Model in support of park design.
	Multi-Use Event Space, Pier, and Beachfront Park Design, Port of Gulfport, Gulfport, MS: GIS technician for topography survey to inform initial phase of site design that includes water dependent recreation, green infrastructure, and an event space to create recreational opportunities at the Port Beach.
Career History	Ms. Patel joined Neel-Schaffer in 2022 and serves as an Environmental Scientist. Based in the Biloxi (MS) office, Monica is the firm's only Certified Ecological Restoration Practictioner in Training. She has nearly 10 years of diverse experience in natural resources, including GIS analysis and mapping, technical writing, biological surveys, wetland delineation, restoration, adaptive management, and master planning.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc. A				
Name	**Haley Streuding, RPA**		Years of experience with this firm/employer	2
Title	Archaeologist		Years of experience with other firm(s)/employer(s)	12
Degree(s) / Years / Specialization			B.A. / 2001 / Political Science B.A. / 2007 / Anthropology M.S. / 2014 / Anthropology	
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Archaeologist	

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 time specified in the applicable MPR(s).
02/20 – 01/22*	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road), Desoto Parish, LA:** This project provides a connection between I-49 and the proposed future I-69. The project included a stage 0 report, checklists, conceptual layout, and cost estimates. The project also included turn lanes, upgrading, and extending existing roadway. / Cultural Resources (Archeological Services).
02/20 – 01/22*	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road), Caddo Parish, LA:** This project when combined with the proposed I-69 will provide a connection between Port of Caddo-Bossier and I-49. The project included a stage 0 report, checklists, conceptual layout, and cost estimates. The project also included turn lanes, bridge replacements, upgrading and extending existing roadway to current design guidelines. / Cultural Resources (Archeological Services).
01/22	**West Hattiesburg Lamar County Park Project, Lamar County, Mississippi:** Principal Investigator. Conducted desktop review for a proposed sports complex in Hattiesburg (January 2022).
11/21	**Port Bienville Rail Storage Yard at Sites 1 and 6, Port Bienville Industrial Park, Hancock County, MS**: Principal Investigator. Conducted a Phase I cultural resources survey and prepared final report for proposed rail storage project. Work performed for DAK America's Mississippi, Inc., Bay St. Louis (November 2021).
11/21	**Bozeman Landfill Expansion Project, Lauderdale County, MS**: Principal Investigator. Conducted a Phase I cultural resources survey and prepared final report of findings for a proposed landfill expansion in Meridian, Mississippi. The survey was performed for Waste Pro, Inc. (November 2021).
10/21	**Bogue Chitto Water Park (Pike County, MS)**: Conducted a Phase I cultural resources survey for proposed pedestrian and trail improvements at the Bogue Chitto Water Park near McComb, Mississippi. Prepared draft report of the survey findings and submitted to the Mississippi Department of Archives and History (MDAH). Work was performed for the Pike County Board of Supervisors, Magnolia, Mississippi (October 2021).

16. Staff Experience:

10/21	**Gordon's Creek Commons Project (Forrest County, MS):** Principal Investigator. Conducted a Phase I cultural resources survey and prepared final report for the City of Hattiesburg (September 2021).
09/21	**City of Biloxi East-West Access Road Project (Harrison County, MS):** Principal Investigator. Conducted a Phase I cultural resources survey and prepared final report for a proposed access road for the City of Biloxi (August 2021).
08/21	**Green Teal Court Project (Harrison County, MS):** Principal Investigator. Conducted a Phase I cultural resources survey and prepared final report for a proposed boat house in Biloxi, MS (August 2021).
08/21	**Hall Avenue West BUILD Project, Forrest County, MS (MDOT):** Principal Investigator and author of report for a Phase I cultural resources survey performed for the Mississippi Department of Transportation. Project includes proposed road improvements and the construction of a bridge overpass over the Norfolk Southern Railroad (August 2021).
03/21	**Hattiesburg FTA Grant Sidewalks Project, Forrest County, MS:** Principal Investigator and author of report for a Phase I cultural resources survey performed for the City of Hattiesburg (March 2021).
02/21	**Chatom Tower Site, Washington County, AL:** Principal Investigator. Conducted a Phase I cultural resources survey and prepared the draft report for a proposed telecommunications tower for the Mobile Communications District (February 2021).

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.					
Name	**Justin LeBlanc**			Years of experience with this firm/employer	4
Title	GIS			Years of experience with other firm(s)/employer(s)	4
Degree(s) / Years / Specialization			B.A. / 2011 / Geography		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			GIS		

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 time specified in the applicable MPR(s).
	GIS Development. Munford Water Authority, Munford, AL: GIS Technician. The Water Authority currently has 1340 customers and produces over 300,000 gallons of water per day. Mr. LeBlanc created a 158-page map book and Google Earth KMZ showing all water line, meter, valve, fire and flush hydrant, and well and tank locations within the Authority's jurisdiction. For four years, Mr. LeBlanc has managed the GIS database, making additions and revisions as needed. Project is indefinitely on-going.
	GIS Development. Louisiana, Mississippi, and Arkansas MULTIPLAN 2040: Mr. LeBlanc was responsible for providing maps to planners and engineers writing MULTIPLAN reports. This work involved creating a master template, working together with a team of traffic engineers and planners to create clear and accurate report figures, as well as maintaining all this information in a shareable GIS database. MULTIPLAN 2040 is a current and on-going project.
	GIS Development and Field Support. Cloverland Drive Drainage Improvement, Mandeville, LA: GIS Technician. Conducted routine wetland delineation for a drainage improvement project associated with Cloverland Drive in Mandeville, Louisiana. Mr. LeBlanc provided field support to a senior biologist conducting an on-site inspection. He also collected data on a GPS for subsequent integration into a GIS, and created maps and figures for the draft report.
	GIS Development and Field Support. Town of Clinton Sewer System Rehabilitation, Clinton, LA: GIS Technician. The Town of Clinton, Louisiana proposed a rehabilitation of their current sewer system. The purpose of this project was to provide jurisdictional wetland delineation for four key areas within the incorporated area of Clinton. Mr. LeBlanc assisted a senior biologist with the delineation portion of the project. He also collected GPS data for later integration into ArcGIS which he used to create all report maps and figures.
	GIS Development and Field Support. Cloverland Drive Drainage Improvement, Mandeville, LA: GIS Technician. Conducted routine wetland delineation for a drainage improvement project associated with Cloverland Drive in Mandeville, Louisiana. Mr. LeBlanc provided field support to a senior biologist conducting an on-site inspection. He also collected data on a GPS for subsequent integration into a GIS, and created maps and figures for the draft report. This project is current and on-going.
	GIS Development and Field Support. Town of Clinton Sewer System Rehabilitation, Clinton, LA: GIS Technician. The Town of Clinton, Louisiana proposed a rehabilitation of their current sewer system. The purpose of this project was to provide jurisdictional wetland delineation for four key areas within the incorporated area of Clinton. Mr. LeBlanc assisted

16. Staff Experience:

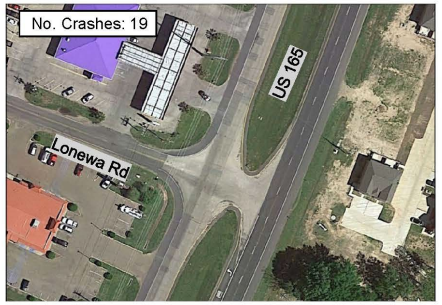
	a senior biologist with the delineation portion of the project. He also collected GPS data for later integration into ArcGIS which he used to create all report maps and figures.
	GIS Development and Field Support. Red-cockaded Woodpecker Surveys, Camp Beauregard, Rapides and Grant Parishes, LA: Mr. LeBlanc assisted senior biologists in surveys for red-cockaded woodpecker habitat at Camp Beauregard. Mr. LeBlanc's responsibilities included data collection and manipulation using a GPS and GIS and the creation of maps and figures for use prior to and after the field effort was completed. He also handled equipment for staff and provided other general field support and as-needed assistance. These surveys are yearly and on-going.
	Mr. LeBlanc has four years of experience in providing GIS development and field support. He has collected GPS data in a variety of field locations and incorporated and analyzed data in ArcGIS for use in a variety of report presentations. He has additional experience providing field support for wetland delineations and wildlife habitat surveys.Mr. LeBlanc's areas of expertise include: GPS data collection GIS applications and development Field support for wetland delineations and wildlife habitat surveys.

17. Firm Experience:

Firm name	**Neel-Schaffer, Inc.**		**Past Performance Evaluation Discipline(s)***	Planning (Safety)	
Project name	**District 05 Safety Investment Plan**		**Firm responsibility (prime or sub?)**	Prime	
Project number	4400010504, H.014295.1	**Owner's name**	LADOTD		
Project location	Statewide, Louisiana		**Owner's Project Manager**	Jessica DeVille	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804, Phone: 225-379-1844, Email: Jessica.DeVilla@LA.GOV				
Services commenced by this firm (mm/yy)	5/20	**Total consultant contract cost ($1,000's)**		$355	
Services completed by this firm (mm/yy)	6/21	**Cost of consultant services provided by this firm ($1,000's)**		$355	

This Safety Investment Plan evaluated 24 segments, 92 intersections, 4 roadway departure locations and 3 pedestrian/bicycle locations to develop prioritized low-cost improvements to reduce crashes. The development of the plan included evaluating historical crash data using DOTD's Cat Scan safety tool to identify overrepresented crash types. Countermeasures were developed to mitigate these crash types using crash modification factors (CMF) from the Highway Safety Manual (HSM)and CMF Clearinghouse. For the selected countermeasures, estimated crash reductions, high level estimated improvement costs, and safety benefit/cost ratios were determined. The safety benefit/cost ratios along with District input was used to develop a priority list for the district. The safety benefit/cost analysis was performed using the **Countermeasure Evaluation Tool (CET) developed by NSI** during the District 08 Safety Investment Plan. One-page summaries were also prepared for each location. In addition to the one-page summaries, detailed reports were prepared for each location documenting the existing safety analysis, countermeasures considered, high level cost estimates for each countermeasure and the recommended countermeasure for each location. District 05 is currently in the planning phase of implementing the recommendations for the intersection of US 167 at Lonewa as noted in the one-page summary as presented here.

Key Personnel: Jerry Trump (Officer In Charge), Nick Ferlito (Project Manager), William Fulcher (Safety Analysis and B/C analysis), Kirk Gallien (Countermeasure Selection and QA/QC), Jonathan Duhe (Safety Analysis), Sen Skaikay (Safety Analysis), Mai Nguyen (Cost Estimates), and Seth Popay (Safety Analysis).



INTERSECTION (2016 - 2018)
US 165 @ LONEWA RD
CSECT: 016-01 LM: 8.288
Ouachita Parish **Monroe, LA**
Urban 4-Lane Divided 3-Leg
Entering AADT* = 22,700 vehicles per day

All Crashes: LOSS 4 Fatal/Injury Crashes: LOSS 4

Recognized Crash Patterns (CatScan):
- Left Turn F
- Left Turn G
- Other

Recommended Countermeasures:
- Converting to right-in-right-out operations by closing the median opening

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Potential % Reduction in Crashes
31.0%

Expected Crashes Reduced Per Year
2.4

Estimated Implementation Cost
$300,900

B/C = 5.7

SAFETY INVESTMENT PLAN FOR DISTRICT 05

State Project No.
H.014295.1

F.A.P. No.
H014295

DESTINATION ZERO DEATHS

*Source: CatScan (Crash Data)

17. Firm Experience:

Firm name	**Neel-Schaffer, Inc.**			**Past Performance Evaluation Discipline(s)***	Planning (Safety)
Project name	**District 07 Safety Investment Plan**			**Firm responsibility (prime or sub?)**	Prime
Project number	4400010504, H.013826.1	**Owner's name**	LADOTD		
Project location	Statewide, Louisiana		**Owner's Project Manager**	Jessica DeVille	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804, Phone: 225-379-1844, Email: Jessica.DeVille@LA.GOV				
Services commenced by this firm (mm/yy)	2/19	**Total consultant contract cost ($1,000's)**			$258
Services completed by this firm (mm/yy)	3/20	**Cost of consultant services provided by this firm ($1,000's)**			$258

This Safety Investment Plan evaluated 31 segments (17 DOTD segments, 4 road diet candidates, 10 local road segments) and 32 intersections locations to develop prioritized low-cost improvements to reduce crashes. The development of the plan included evaluating historical crash data using DOTD's Cat Scan safety tool to identify overrepresented crash types. Countermeasures were developed to mitigate these crash types using crash modification factors (CMF) from the Highway Safety Manual (HSM)and CMF Clearinghouse. For the selected countermeasures, estimated crash reductions, high level estimated improvement costs, and safety benefit/cost ratios were determined. The safety benefit/cost ratios along with District input was used to develop a priority list for the district. The safety benefit/cost analysis was performed using the **Countermeasure Evaluation Tool (CET) developed by NSI** during the District 08 Safety Investment Plan. One-page summaries were also prepared for each location. In addition to the one-page summaries, detailed reports were prepared for each location documenting the existing safety analysis, countermeasures considered, high level cost estimates for each countermeasure and the recommended countermeasure for each location.

Key Personnel: Jerry Trump (Officer In Charge), Nick Ferlito (Project Manager), William Fulcher (Safety Analysis and B/C analysis), Peter Allain (Countermeasure Selection and QA/QC), Jonathan Duhe (Safety Analysis), Sen Skaikay (Safety Analysis), Mai Nguyen (Cost Estimates), Ellen Howard (Safety Analysis/Data Collection) and Lonny Territo (site visits / data collection).

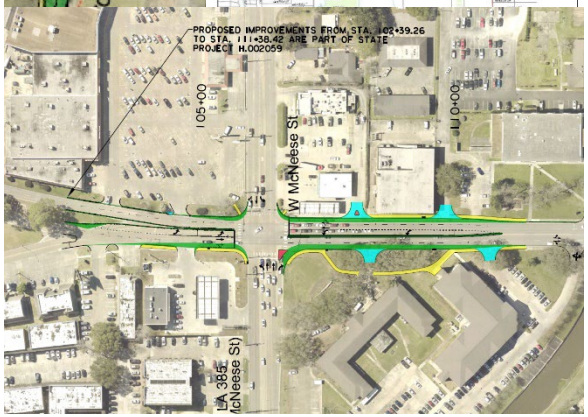
17. Firm Experience:

Firm Name	**Neel-Schaffer, Inc.**	**Past Performance Evaluation Category(ies)***		Planning (Safety / Stage 0's), Traffic and Road	
Project name	**LA 385 Stage 0 Feasibility Study**		**Firm responsibility (prime or sub?)**		Prime
Project number	H.012685.1	**Owner's name**	LADOTD		
Project location	Calcasieu Parish, LA		**Owner's Project Manager**	Adriane McRae	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804, Phone: 225-379-1950, Email: Adriane.mcrae@LA.GOV.				
Services commenced by this firm (mm/yy)	11/16	**Total consultant contract cost ($1,000's)**			$496
Services completed by this firm (mm/yy)	8/19	**Cost of consultant services provided by this firm ($1,000's)**			$496

DOTD contracted with Neel-Schaffer, Inc. (NSI) to conduct the Stage 0 Feasibility Study as part of the IDIQ for Safety Studies Retainer Contract. The purpose of this project was to determine feasible alternatives for safety improvements along LA 385 (Ryan Street) corridor between LA 3186 to Eddy Street, including the LA 385 interchange with I-10. NSI completed a safety analysis, traffic analysis, alternatives analysis, formal Stage 0, checklists, conducted a stakeholders and public meeting, completed concept layouts & construction cost estimates for short term and long term proposed safety improvements.

The Stage 0 evaluated the existing conditions, No-Build, short term and long term proposed alternatives. This project included bike and pedestrian facilities in accordance with the DOTD complete streets policy.

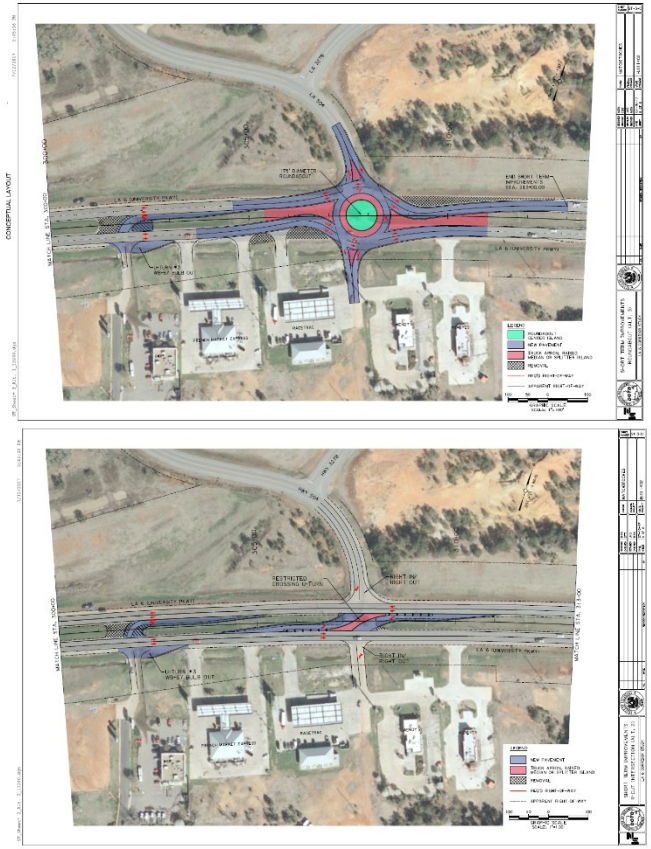
NSI Personnel: Jerry Trumps, Nick Ferlito, Jonathan Duhe, Mai Nguyen, Chance Shuckrow, and Barry Brupbacher



17. Firm Experience:

Firm name	**Neel-Schaffer, Inc.**	**Past Performance Evaluation Discipline(s)***		Planning (Safety / Stage 0's), Traffic and Road	
Project name	**LA 6 Feasibility Study**			**Firm responsibility (prime or sub?)**	Prime
Project number	No. 44-4402; H.012307.1	**Owner's name**	LADOTD		
Project location	Natchitoches Parish, LA		**Owner's Project Manager**	Adriane McRae	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804, Phone: 225-379-1950, Email: Adriane.mcrae@LA.GOV				
Services commenced by this firm (mm/yy)	02/16	**Total consultant contract cost ($1,000's)**			$ 291
Services completed by this firm (mm/yy)	8/17	**Cost of consultant services provided by this firm ($1,000's)**			$ 291

The purpose of the project was to determine feasible alternatives for safety and mobility improvements along the LA 6 corridor between Parish Road 542 and LA 3278. This project also included improvements for the LA 6 interchange with I-49. As part of the study, Neel-Schaffer, Inc. (NSI) completed data collection, a traffic and safety study, a Stage 0 report, conducted a public meeting, and developed conceptual plans for three alternatives. NSI determined short term and long term improvements to allow for phased construction as funding becomes available. The intersection alternatives considered included roundabouts, R-Cuts and signalized intersections. Corridor improvements were also included as part of the study. This project was completed as part of NSI's IDIQ contract for Safety Studies.



Tasks completed to date include:

Data Collection –7 day, 24-hour counts and peak TMC were collected

Traffic Analysis – traffic forecasting, Signal warrant analysis, intersection analysis, intersection capacity analysis were completed.

Safety Analysis – crash review (for 3 yrs.) completed, determined abnormal locations and overrepresented crashes

Alternative Analysis – determined operational benefits of short term and long term alternatives compared to the No-Build, determined total number of conflict points and prediction of total number of crashes for No-Build and recommended alternatives.

Stage 0 Report

Concept Plans – completed for 3 proposed alternatives

Estimated Construction Cost

Public Outreach Activities

NSI Personnel: Jerry Trumps, Nick Ferlito, Jonathan Duhe, Mai Nguyen, and Barry Brupbacher

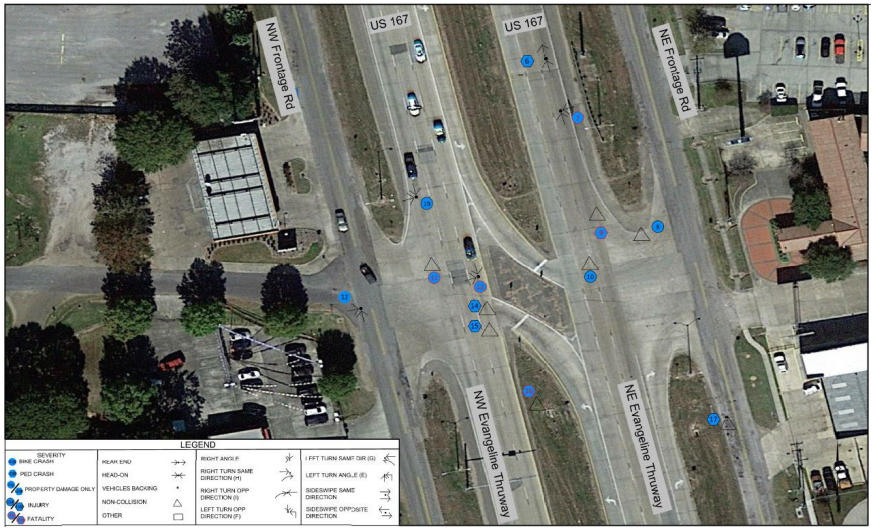
17. Firm Experience:

Firm name	**Neel-Schaffer, Inc.**		**Past Performance Evaluation Discipline(s)***		Planning (Safety)
Project name	**US 167: I-10 to Willow Street Road Safety Assessment**		**Firm responsibility (prime or sub?)**		Prime
Project number	4400010504, H014959.1	**Owner's name**	LADOTD		
Project location	Lafayette Parish, LA		**Owner's Project Manager**	Trey Jesclard	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; 225-379-1445; trey.jesclard@la.gov				
Services commenced by this firm (mm/yy)	1/22	**Total consultant contract cost ($1,000's)**			$75
Services completed by this firm (mm/yy)	On Going	**Cost of consultant services provided by this firm ($1,000's)**			$75

Neel-Schaffer was contracted to conduct a Road Safety Assessment (RSA) along Evangeline Thruway and Service Roads from the 1-10 Interchange to Willow Street with an emphasis on pedestrian and bicycle mobility within the study area. The purpose of the RSA is to evaluate existing conditions and crashes, with an emphasis on pedestrian and bicycle crashes, to identify potential road safety issues and identify opportunities for feasible safety improvements.

The RSA will include the following tasks:

Data Collection: NSI will perform a site visit documenting existing roadway characteristics and conditions; existing pedestrian and bicycle facilities and ADA compliance; pedestrian and bicycle observations within the study area; document land use / people generators within the study area; and document socioeconomic information from the LSU/CARTS Study.



Road Safety Assessment: The RSA will consist of a pre-briefing meeting and on on-site field visit with the RSA team. Upon completion of the data collection, NSI will provide the RSA schedule to District personnel and DOTO Headquarters so they will have adequate advance notice of upcoming RSA. NSI will distribute data to include collision diagrams, photo logs, etc. to the team members prior to the pre-briefing meeting.

Identify Alternatives / Countermeasures: Based on countermeasures/alternatives recommended from the RSA onsite visit, NSI will evaluate each countermeasure/alternative base on applicable crash modification factors; consistent with DOTO Design Guidelines, Manuals & MUTCD; high-level cost estimates; and safety benefit when available or based on engineering judgement (i.e. correctable crashes). After the countermeasures/alternatives have been evaluated, the recommended countermeasures/alternatives shall be coordinated with the RSA team and the team shall reach a consensus regarding the recommended countermeasures/alternatives.

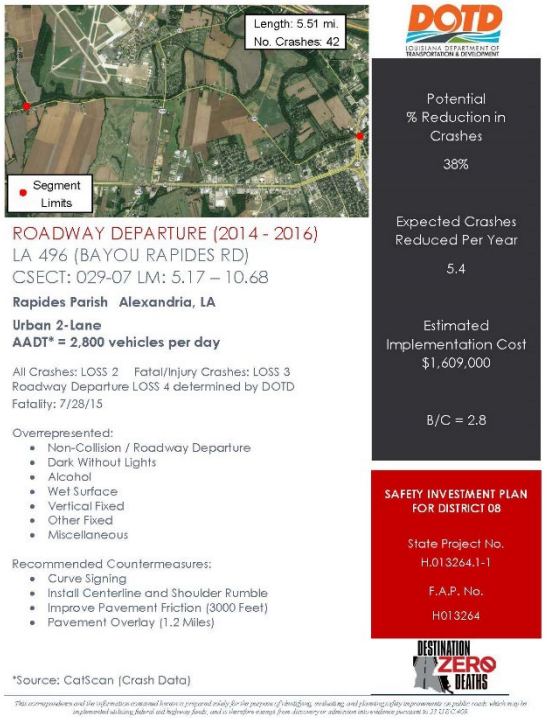
Preparation of RSA Report: The report will include summary of existing conditions; summary of crash data; summary of RSA onsite visits; approved countermeasure recommendations/alternatives; safety-benefits/CMFs; high-level cost-estimates; planning level benefit-cost; schematics/conceptual layouts; high-level feasibility; recommended next-steps/potential barriers; priority and needs list for Phase 2; meeting minutes in appendices.

Key personnel: Jerry Trumps (Officer In Charge), Nick Ferlito (Project Manager), Peter Allain (RSA), William "Case" Fulcher (Safety Analysis), and Seth Popay (Collision Diagrams).

17. Firm Experience:

``**Firm name**	**Neel-Schaffer, Inc.**		**Past Performance Evaluation Discipline(s)***	Planning (Safety)	
Project name	**District 08 Safety Investment Plan**		**Firm responsibility (prime or sub?)**	Prime	
Project number	4400010504, H.013264.1	**Owner's name**	LADOTD		
Project location	Statewide, Louisiana		**Owner's Project Manager**	Jessica DeVille	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804, Phone: 225-379-1844, Email: Jessica.DeVille@LA.GOV				
Services commenced by this firm (mm/yy)	2/18	**Total consultant contract cost ($1,000's)**		$324	
Services completed by this firm (mm/yy)	2/19	**Cost of consultant services provided by this firm ($1,000's)**		$324	

This Safety Investment Plan evaluated 31 segments, 20 intersections, 20 roadway departure locations and 10 local road/intersection locations to develop prioritized low-cost improvements to reduce crashes. The development of the plan included evaluating historical crash data using DOTD's Cat Scan safety tool to identify overrepresented crash types. Countermeasures were developed to mitigate these crash types using crash modification factors (CMF) from the Highway Safety Manual (HSM)and CMF Clearinghouse. For the selected countermeasures, estimated crash reductions, high level estimated improvement costs, and safety benefit/cost ratios were determined. The safety benefit/cost ratios along with District input was used to develop a priority list for the district. The safety benefit/cost analysis was performed using the **Countermeasure Evaluation Tool (CET) developed by NSI** as part of this project. One-page summaries were also prepared for each location. In addition to the one-page summaries, detailed reports were prepared for each location documenting the existing safety analysis, countermeasures considered, high level cost estimates for each countermeasure and the recommended countermeasure for each location.



Key Personnel: Jerry Trump (Officer In Charge), Nick Ferlito (Project Manager), William Fulcher (Safety Analysis and B/C analysis), Peter Allain (Countermeasure Selection and QA/QC), Jonathan Duhe (Safety Analysis), Sen Skaikay (Safety Analysis), Mai Nguyen (Cost Estimates) and Lonny Territo (site visits / data collection).

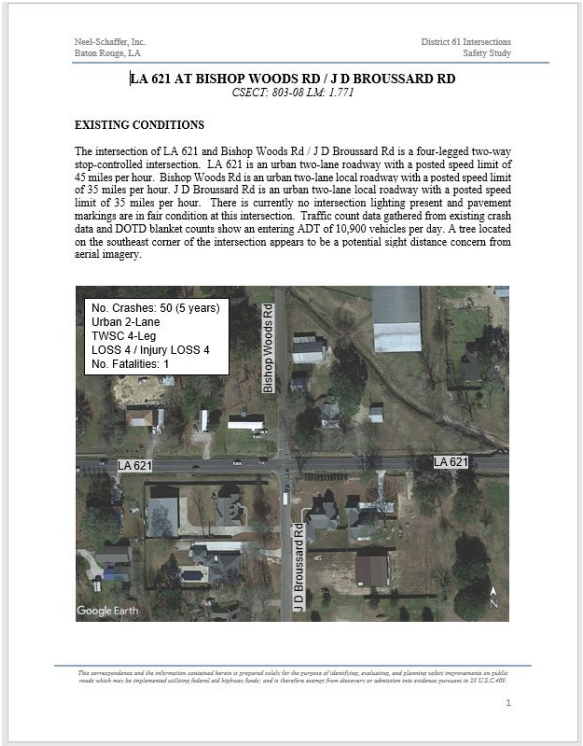
17. Firm Experience:

Firm name	**Neel-Schaffer, Inc.**		**Past Performance Evaluation Discipline(s)***		Planning (Safety)
Project name	**District 61: Intersection Safety Studies**		**Firm responsibility (prime or sub?)**		Prime
Project number	4400010504, H.014684.1	**Owner's name**	LADOTD		
Project location	District 61		**Owner's Project Manager**	Trey Jesclard	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1445, Trey.Jesclard@LA.GOV				
Services commenced by this firm (mm/yy)	7/21	**Total consultant contract cost ($1,000's)**			$60
Services completed by this firm (mm/yy)	On-Going	**Cost of consultant services provided by this firm ($1,000's)**			$60

This study evaluated the following intersection locations in District 61 to evaluate and develop recommended intersection improvements to reduce crashes.

- LA 19 at Rafe Mayer Road
- LA 1 at Phillips Lane
- LA 1 NB at LA 75
- LA 1 SB at LA 75
- US 190 at Monterrey Blvd.
- LA 64 at LA 67
- LA 74 at LA 938
- LA 621 at George Rouyea Road
- LA 621 at Bishop Woods

Each intersection study evaluated historical crash data using DOTD's Cat Scan safety tool to identify overrepresented crash types. Intersection type countermeasures were developed to mitigate these crash types using crash modification factors (CMF) from the Highway Safety Manual (HSM) and the CMF Clearinghouse. For the selected countermeasures, estimated crash reductions, high level estimated improvement costs, and safety benefit/cost ratios were determined. The safety benefit/cost ratios along with District input will be used to develop recommended countermeasure at each location. The safety benefit/cost analysis was performed using the **Countermeasure Evaluation Tool (CET) developed by NSI** during the District 08 Safety Investment Plan. Detailed reports will prepared for each location documenting the existing safety analysis, countermeasures considered, high level cost estimates for each countermeasure and the recommended countermeasure for each intersection.



Neel-Schaffer, Inc.
Baton Rouge, LA

District 61 Intersections
Safety Study

LA 621 AT BISHOP WOODS RD / J D BROUSSARD RD
CSECT: 803-08 LM: 1.771

EXISTING CONDITIONS

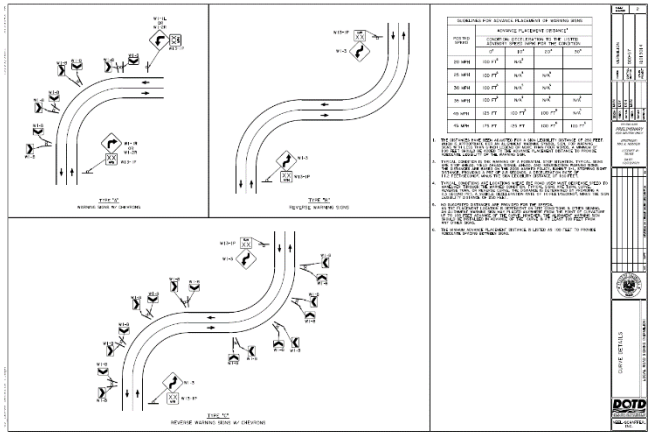
The intersection of LA 621 and Bishop Woods Rd / J D Broussard Rd is a four-legged two-way stop-controlled intersection. LA 621 is an urban two-lane roadway with a posted speed limit of 45 miles per hour. Bishop Woods Rd is an urban two-lane local roadway with a posted speed limit of 35 miles per hour. J D Broussard Rd is an urban two-lane local roadway with a posted speed limit of 35 miles per hour. There is currently no intersection lighting present and pavement markings are in fair condition at this intersection. Traffic count data gathered from existing crash data and DOTD blanket counts show an entering ADT of 10,900 vehicles per day. A tree located on the southeast corner of the intersection appears to be a potential sight distance concern from aerial imagery.

Key Personnel: Jerry Trump (Officer In Charge), Nick Ferlito (Project Manager), Sen Skaikay (Safety Analysis and Report Preparation), William Fulcher (Safety Analysis and B/C analysis), and Peter Allain (Countermeasure Selection and QA/QC),

17. Firm Experience:

Firm name	**Neel-Schaffer, Inc.**	**Past Performance Evaluation Discipline(s)***		"Planning (Safety / Stage 0's), Traffic and Road	
Project name	**Vermilion Striping and Signing**		**Firm responsibility (prime or sub?)**		Prime
Project number	H.013014	**Owner's name**	LADOTD		
Project location	Vermilion Parish, LA		**Owner's Project Manager**	Mark J. Morvant, P.E.	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804, Phone: 225-379-1205, Email: mark.morvant@LA.GOV				
Services commenced by this firm (mm/yy)	07/2021	**Total consultant contract cost ($1,000's)**		$73	
Services completed by this firm (mm/yy)	On-going	**Cost of consultant services provided by this firm ($1,000's)**		$73	

This project will provide low-cost safety improvements throughout locations in the Parish of Vermilion. This project includes striping and signage improvements. A feasibility study was completed which recommended improvements which focused on the reduction of roadway departure crashes. Neel-Schaffer, Inc. (NSI) completed the ball bank study, sign inventory, plans and cost estimates. The final plans are currently under DOTD review. Some of the roads included in this project are Kristin Rd., Pumping Plant Rd., Ben Fredrick Rd. and Woodlawn Rd. This project is being completed as part of NSI's Design of Safety Projects retainer project.



Tasks completed to date include:

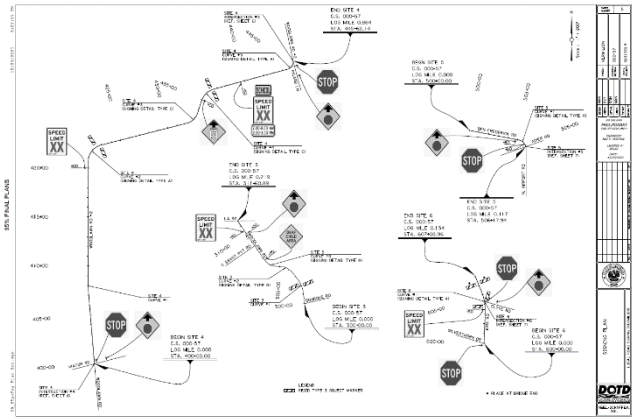
ball bank study

sign inventory

preliminary plans

final plans

construction cost estimates



This project utilizes DOTD 2016 specifications without NS items.

Project Challenge Solved:

Completing accurate sign inventory for multiple sites while minimizing costs to the client.

Key personnel: Dishili Young, Mai Nguyen, Chance Shuckrow, Stephen Perault, William Case Fulcher

17. Firm Experience:

Firm name	**Neel-Schaffer, Inc.**	**Past Performance Evaluation Discipline(s)***		Planning (Safety / Stage 0's), Traffic and Road	
Project name	**Gonzales Signs, Striping and Crossovers**		**Firm responsibility (prime or sub?)**		Prime
Project number	H.013621	**Owner's name**	LADOTD		
Project location	Gonzales, LA		**Owner's Project Manager**	Laura Riggs	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1143, Laura.Riggs@la.gov				
Services commenced by this firm (mm/yy)	10/2019	**Total consultant contract cost ($1,000's)**		$200	
Services completed by this firm (mm/yy)	On-going	**Cost of consultant services provided by this firm ($1,000's)**		$200	

The purpose of the project is to reduce the total number of crashes along S. Irma and along S. Purpera Avenue. The improvements included in this project consist of access management, enhanced striping and signage on S. Irma Boulevard and enhanced striping and signage on S. Purpera Avenue. Along S. Irma Boulevard, this project will provide median modifications (closing of existing median openings, relocation of median openings and the construction of new median openings), striping and signage. Along S. Purpera, this project would provide signing and striping.

During the Stage 0 process, Neel-Schaffer, Inc. (NSI) met with the City of Gonzales and DOTD to obtain their input and document concerns. Crash data was collected for three years and evaluated for crash trends. Low cost safety improvements were recommended based on the results. NSI will complete the Final Plans for this project once authorization is provided.

Task which NSI has (or will complete) include the following:

Stage 0 Report

Crash review and evaluation for recommendations of low-cost safety improvements

Data Collection – 7-day, 24-hour counts, 48 hr. TMC and classification counts.

Traffic Study – Existing and No-Build

Safety Study – crash review (3yrs.)

Tier 1 Analysis

Preliminary and Final Plans

Specifications for NS items

Engineers Probable Cost Estimate

Figure 4: Proposed Median Modifications on S. Irma Boulevard
(Near E. Ascension High School)

Figure 5: Proposed Median Modifications on S. Irma Boulevard
(Near the Knights of Columbus and the Civic Center)

Project Challenge Solved:

Minimizing project cost even when improvements require pavement widening and detailed engineering evaluation.

Key personnel: Dishili Young, Mai Nguyen, Chance Shuckrow, Stephen Perault, William Case Fulcher

17. Firm Experience:

Firm name	**Neel-Schaffer, Inc.**	**Past Performance Evaluation Discipline(s)***		Planning (Safety / Stage 0's), Traffic and Road	
Project name	**LA 73 Turn Lanes**		**Firm responsibility (prime or sub?)**		Prime
Project number	MA-18-03	**Owner's name**	Ascension Parish Government		
Project location	Ascension Parish, LA		**Owner's Project Manager**	Michael Enlow	
Owner's address, phone, email	42077 Churchpoint Road, Gonzales, LA 70737 225-450-1326 menlow@apgov.us				
Services commenced by this firm (mm/yy)	05/18	**Total consultant contract cost ($1,000's)**			$331
Services completed by this firm (mm/yy)	03/20	**Cost of consultant services provided by this firm ($1,000's)**			$331

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

Tasks completed to date include:

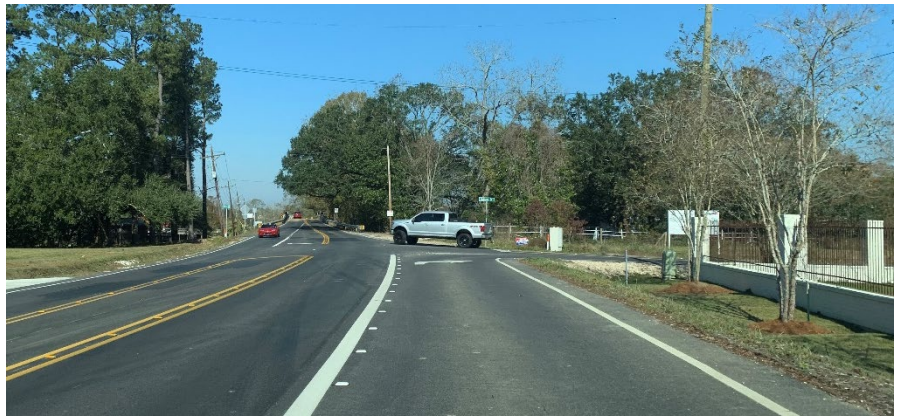
Data Collection – 48hr counts, AM and PM peak TMC, queue and peak hour observations.

Traffic and Safety Analysis – turn lane analysis and review of 3 years of crash data.

Complete H&H Analysis – H&H analysis was completed for the proposed roadway drainage systems and the double barrel box culvert which drains Welsh Gully.

Develop Roadway Plans – Developed roadway plans following LADOTD design guidelines for left and right turn lanes on LA 73 and local roads.

Coordination – Coordination with LADOTD and utility representatives.



NSI Personnel: Jerry Trumps, Ellen Howard, Dishili Young, Mai Nguyen, Chance Shuckrow, Steve Perault

Project Challenge Solved:

Completing safety improvements within limited ROW, without utility conflicts and with bridge constraints.

18. Approach and Methodology:

Neel Schaffer, Inc. (NSI) has a long-standing tradition of providing sound, effective and innovative engineering services, and solutions for a variety of traffic and safety projects. From the feasibility study phase through design and construction oversight, NSI's services are tailored to meet each client's specific project needs and achieve the best results. Our staff has experience in the wide array of safety projects across the entire state of Louisiana. Previous safety projects have included developing Districtwide Safety Investment Plans, Stage 0s for high potential for safety improvement (HPSI) corridors, design of safety projects ranging from corridor signing/striping projects to implementation of flashing yellow arrows; and conducting roadway safety assessments. Collectively we have worked on **over 140 projects** with safety improvements. Our NSI staff has extensive experience using the Highway Safety Manual (HSM) as well as the Crash Modification (CMF) Clearing House website in evaluating potential safety countermeasures. The NSI staff has been trained and has experience using DOTD's Cat Scan evaluation tools. In addition, **NSI developed a Countermeasure Evaluation Tool (CET) for DOTD's Highway Safety Section** that can evaluate and compare multiple countermeasure CMFs. NSI staff routinely attends the annual DOTD Highway Safety Summit and has presented on the CET at one of the past Summits.

PROJECT APPROACH TO SCOPE OF WORK

The NSI team will develop a Project Management Plan for each task order assigned under this contract. This project management plan will include the following.

Project Overview: NSI will provide a detailed summary of the scope of work to be performed for each task order. The task orders may include Stage 0 Feasibility Studies, Road Safety Assessments (RSA), Development of Construction Plans for Low-Cost Safety Improvements, and Safety Effectiveness Evaluation Studies. Each of these is discussed in detail below.

Task 1.0 – Stage 0 Feasibility Studies

NSI will conduct Stage 0 feasibility studies and prepare studies/checklists as requested by DOTD's Highway Safety Section. The Stage 0 studies/checklists will be prepared as outlined in DOTD's Project Delivery Manual and Stage 0 Manual, Stage 0: Manual of Standard Practices. NSI routinely prepares Stage 0 reports in conformance with the LADOTD's Stage 0 Manual of Standard Practice. We have worked on **over 50 Stage 0 projects with safety improvements.**

- NSI will conduct safety and traffic analysis (if required) to develop and support the project purpose and need for the project. The purpose and need will be documented in detail in the feasibility study and the Stage 0 Preliminary Scope and Budget Checklist.
- We will use Cat Scan to evaluate the latest 3 years of crash data to identify trends in crashes. Crash reports will be read and analyzed including a QA of Cat Scan to a Quality Assurance of 90%. In addition, collision diagrams will be prepared as needed. Based on the trends and types of crashes identified NSI staff is efficient with using DOTD's Cat Scan tool and has attend DOTD's training on the tool. NSI staff is also efficient in access DOTD and local crash data from Crash1 and Crash3 (local) databases.
- If traffic operation analysis is required, NSI will perform this analysis in accordance with DOTD's Traffic Engineering Report and Process (TERP) for developing data collection, existing and no build analysis, and alternative analysis deliverables. Based on existing and no build traffic analysis, NSI will develop a list of alternatives to be evaluated to improve operations. All NSI traffic staff has attended and passed the DOTD TERP training course.
- We will obtain, organize, and review the engineering data required to prepare the studies/checklists. It may include but is not limited to the following items: Existing traffic data; Crash data; Existing highway plans (as-builts); proposed developments; LIDAR topography; Utility information; Previous studies and reports; DOTD weighted Unit cost data (using the cost estimating tool based on project location and magnitude); Map to identify project site; Aerial photography. Compile a list of potential stakeholders, agencies, and residents/businesses along the corridor, when outreach is included in the scope.

NSI will develop the design criteria and provide geometric layouts of reasonable alternatives using aerial photography and DOTD's design standards. The geometric layouts will include the identification of constraints to assist with avoidance. IF design exceptions and waivers cannot be avoided, they will be identified and the rational for them will be detailed.

Based on the existing safety analysis, NSI will develop a list of available countermeasures to be evaluated to reduce crashes. NSI will prepare safety analysis using the Highway Safety Manual predictive method, if applicable, and provide a quantitative comparison of safety for each alternative. NSI will use Predictive Method spreadsheets. Crash Modification Factors will be used if the predictive method is not applicable. NSI developed a Countermeasure Evaluation Tool as part of the District Safety Implementation Plans for District 05, 07 and 08. This CET will be used to evaluate identified countermeasures when CMFs are being used. Also, on previous projects Neel-Schaffer has also evaluated road safety improvement alternatives using the Interactive Highway Safety Design Model Software (IHSDM).

NSI will utilize a standard template of the proposed typical section to establish approximate right-of-way limits and area of disturbance for evaluation of impacts. We will depict both the apparent right-of-way and the required right-of-way on the geometric layouts. The required right-of-way will consider constructability, phasing and will be created to minimize impacts, cost and with the goal of zero relocations.

Develop preliminary cost estimates for each alternative based on unit cost data. Unit costs will be determined with the use of the DOTD cost estimating tool to allow for the consideration of project location and scale. The estimates will include the costs associated with engineering, environmental, construction (including traffic management during construction), right-of-way acquisition, utility relocation and contingencies.

Complete DOTD's Environmental Checklist and include it in the feasibility report. Analysis of each alternative, including the no build, will be made to the extent practicable. Items to be considered include, but are not limited to social, economic, historic, cultural, recreational, archeological, noise, air, wetlands, flood plains, endangered or threatened species and/or their habitat and farmland. Team will identify and define the apparent environmentally sensitive areas, hazardous material sites and natural or manmade constraints to project development within the project's limits, using field reconnaissance and aerial photography. This task includes use of publicly available data sets and field review to locate community resources, utilities, etc. In some cases, a complete environmental inventory will be performed. Analysis results and any information collected will be documented in a manner consistent with the requirements of the National Environmental Policy Act (NEPA).

Complete DOTD's Preliminary Scope and Budget Checklist. Document the project's purpose and need and any agency/stakeholder/public coordination activities completed. Meeting details will be provided such as agendas, sign-in sheets, and meeting notes. If a public meeting is held the PowerPoint presentation along with photos of the meeting will be provided. The evaluation and screening process will be documented. If any alternatives are removed from consideration, the screening criteria and rational utilized for their removal will be noted. Where applicable alternatives will consider, context sensitive solutions and access management. The requirements for the Traffic Management Plan will be defined as based on EDSM No. VI.1.1.8, with consideration for property access.

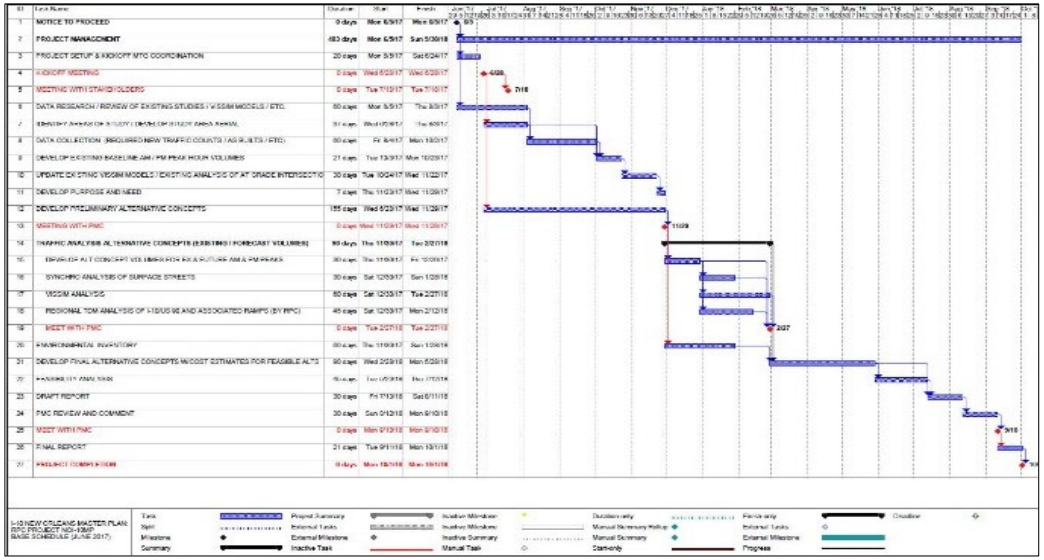
Task 2.0 – Road Safety Assessments

NSI will facilitate, conduct, and prepare RSA for locations identified by the DOTD Highway Safety Project Manager. Potential RSA locations will be reviewed by the Consultant in conjunction with the System Pavement Management Section (Pavement Preservation/Rehabilitation/Replacement (PRR) Program Manager). The purpose of the RSA is to evaluate existing conditions and crashes to identify potential road safety issues and identify opportunities for feasible safety improvements. The RSA will be conducted by a multi-disciplinary / multi-agency team.

The RSA team, at a minimum, will include the NSI PM as RSA Coordinator, DOTD Headquarters Highway Safety PM, DOTD District 03 Traffic Engineer, DOTD District 03 Design Engineer, LCG Representative, Jurisdictional law enforcement agency or agencies, FHWA Area Engineer, Regional Safety Coalition representative. The RSA will include the following tasks.

- Data Collection – which will include, at a minimum, existing roadway characteristics (lane widths, shoulder widths, posted speed limit, striping, sidewalks, etc.), documentation of existing crashes and fatalities within the study area, existing vehicle volume data, observations within the study area related to the safety issues, and perform Cat Scan. All flagged crash reports in Cat Scan will be review with an emphasis on significant crash patterns to a QA of 90%. Based on this analysis, an HPSI determination will provided. This review and summary will also include collision diagrams of all crashes during the study time period within the study limits. The data collection will be completed prior to the RSA site visit.
- Road Safety Assessment – will consist of a pre-briefing and onsite visit. During the Pre-Briefing, discussion will include the crash data, photolog images, maps, purpose of the assessment, expectations, and team member roles/responsibilities. The team will decide the location and time to meet for the Assessment. NSI will be responsible for photography and note taking at the RSA. During the onsite field visit, the RSA team will focus on safety and consider all road users and environmental conditions (day, night, rain, fog, ice, etc.): NSI will document comments of all team members. NSI will take pictures of the site from different angles. All team members should discuss with the group their perspectives as pertains to their individual area of expertise. The recommended alternatives of all the team members will be documented by location. These alternatives may include broad countermeasures such as changing roadway / land characteristics and include vehicle/bicycle improvements.
- Identify Alternatives / Countermeasures – based on countermeasures/alternatives recommended from the RSA onsite visit, NSI will evaluate each countermeasure / alternative based on the applicable crash modification factors, consistency with DOTD Design Guidelines, Manuals & MUTCD, High-level cost estimates and safety benefit when available or based on engineering judgement (i.e. correctable crashes). After the countermeasures / alternatives have been evaluated by NSI, the recommended countermeasures/alternatives will be coordinated with the RSA team and the team shall reach a consensus regarding the recommended countermeasures.

- Preparation of RSA Report – will prepare a draft RSA Report. The draft RSA Report will include the summary of existing conditions, summary of crash data, summary of RSA onsite visit(s), approved countermeasure recommendations/alternatives, safety-benefits/CMFs, high-level cost-estimates, planning level benefit-cost, schematics/conceptual layouts, high-level feasibility, recommended Next-Steps/potential barriers, priority and needs list for next Phase, meeting minutes in appendices and all required signatures. The draft RSA report will be submitted to the attendees of the RSA for comment. After comments are addressed, the final RSA report will be submitted to the District Administrator for approval and signature. NSI will then send the approved report to the DOTD Highway Safety Project Manager.



Task 3.0 – Development of Plans, Specifications, and Engineer's Estimate for Low-Cost Safety Improvements

NSI is familiar with the Stage 3 requirements of safety projects, and we are currently actively working on several plans, specifications and const estimates for low-cost safety improvements as part of DOTD's Design of Safety Projects Retainer contract. The approach to plan development for these projects are unique as they provide the most effective use of resources by minimizing the number of plan submittal stages and providing project specific tasks. For example, depending on the proposed improvements the first submittal may be a 95% Preliminary Plan submittal, which allows for an expedited project delivery. If projects include more complex improvements (such as, pavement widening and drainage) additional submittals similar to the standard 30% and 60% Preliminary Plans submittals may be required. We are currently working on **over 20 projects which include Safety improvements and require Stage 3 services.**

NSI will prepare construction plans (preliminary and final plans) for low-cost safety improvements as identified by a Road Safety Assessment, Stage 0 Feasibility Study, or from other sources as identified by the DOTD Project Manager. Our engineering design will be completed win conformance with the lates 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 CAD Confirm and in compliance with the DOTD CAD standards. Our roadway design will be completed with the use of InRoads (SS2) (Open Roads once DOTD completes their Migration) and our construction cost estimates will utilize the DOTD standard bid items and the DOTD cost estimating tool. Should non-standard items be required, we will develop the specifications required.

Task 4.0 – Safety Effectiveness Evaluation

NSI will perform a safety effectiveness evaluation in accordance with the recommended practices outlined in the Highway Safety Manual. Quantitative estimates will be developed to evaluate how a treatment, project, or a group of projects has affected crash frequencies or severities. The safety effectiveness evaluation may include:

- Evaluating a single project at a specific site to document the safety effectiveness of that specific project,
- Evaluating a group of similar projects to document the safety effectiveness of those projects,
- Evaluating a group of similar projects for the specific purpose of quantifying a CMF for a countermeasure, and
- Assessing the overall safety effectiveness of specific types of projects or countermeasures in comparison to their costs.

Safety effectiveness evaluations will use several different performance measures. These may include the percent reduction in crashes, a shift in the proportions of crashes by collision type or severity level, a CMF for a treatment, or a comparison of the safety benefits achieved to the cost of a project or treatment. While our Districtwide Investment studies were not before and after studies, the fundamental process and procedures are very similar. As part of the Districtwide Investment studies, **we studied over 80 intersections, 60 roadway segments, 30 roadway departures and 25 local roads/roadway segments**.

Team Organization: NSI will provide the key NSI personnel assigned to each task order and their responsibilities, i.e., Project Manager, Safety Analysis, Traffic Analysis, Concept Development, Stage 0 Checklists, Data Collection, etc.

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

Standards for Communication: The NSI Project Manager will take the lead role in ensuring effective communications on this project. The communications requirements are documented in the matrix below. This Matrix will be used as the guide for what information to communicate, who is to do the communicating, when to communicate it, and to whom to communicate.

Communication Type	Description	Frequency	Format	Participants / Distribution	Deliverable	Owner
General Project Communication	Transmittal of general project information	As Needed	Phone / Email	Project Team	General project information	Project Manager
Monthly Project Progress Report / Updated Schedule	Provide monthly status and updated schedules	Monthly	Email/Mail	Project Manager	Progress Report / Update Schedule	Project Manager
Project Milestone Reviews	Present deliverables of project tasks and kickoff next tasks	As indicated on project schedule (3 meetings)	In Person or Virtual	Project Sponsor, Team and/or Stakeholders	Task Deliverables	Project Manager
Technical Reviews	Review of any technical analysis / reports associated with the project	As Needed (6 reviews)	Technical Report Submittals	Project Team	Technical Report Package	Project Manager

Coordination: There are multiple meetings anticipated to take place during each assigned task order. In addition to the kickoff meeting, other meeting will be conducted throughout the project with DOTD staff as appropriate. NSI will provide meeting notes and drawings for all the attendees within two days following a meeting.

Documentation and Files: It is anticipated that various deliverables will be required for each assigned task. It is anticipated that these deliverables will consist of meeting minutes, data collection reports/technical memos, traffic analysis reports/tech memos and design related deliverables such as plans and specifications. These deliverables will be submitted electronically, and all associated files will be provided to the PONO.

Quality Control and Quality Procedures: NSI has adopted an internal Quality Assurance Program Policy and Procedure Manual. NSI will perform internal reviews to ensure that the work products and services provided by the Company are done in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. Activities included with the services provided by NSI will be performed in accordance with the Quality Assurance Program (QA Program) fully integrated into the management and operation of the Company. For each phase of the project, prior to submittal, all deliverables will be reviewed by a qualified NSI personal to ensure that the study/design and submittals adhere with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

Point of Contact: NSI will provide a form that will identify the points of contacts for NSI and DOTD for each assigned task order. This form will identify organization, contact name, project role, phone number and email.

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

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance
Neel-Schaffer	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	$80,777
Neel-Schaffer	Environmental	H.000284.2	US 90 Pearl River Bridges, Route US 90, Saint Tammany Parish (PRIME)	$77,149
Neel-Schaffer	Traffic & Road	H.011235	I-49 South at Verot School Road, Lafayette Parish, (SUB)	$40,128
Neel-Schaffer	Traffic/Safety	H.014044.1	US 80: Intersection @ Bellevue Road, Route US 80	$11,483
Neel-Schaffer	Traffic	SPN 4400010428 S.A. #2	Kansas Lane - Garrett Road Connector and I-20 Improvements (SUB)	$3,402
Neel-Schaffer	Traffic	SPN 4400010428 S.A. #3	Kansas Lane - Garrett Road Connector and I-20 Improvements (SUB)	$10,402
Neel-Schaffer	Road	H.100108.1	Safety Projects: Independence SRTS - Phase II	$6,863
Neel-Schaffer	Road	H.013713.1	Safety Projects: LA 60 Bogalusa H.S. Ped Improvements	$3,717
Neel-Schaffer	Road	H.013014.5	Local Roads Signing (Vermilion)	$15,505
Neel-Schaffer	Road	H.009290.5	LSU Lab School SRTS Project	$111,315
Neel-Schaffer	Planning	H.972374.1	Local Public Agency Documented Planning Process, Statewide	$116,876
Neel-Schaffer	Road	H.010616	I-20: LA 544 Overpass Replacement	$454,614
Neel-Schaffer	ITS	H.013256.5	ITS: I-10 ITS Scott to Lake Charles	$63,534
Neel-Schaffer	ITS	H.014513.1	ITS: Lafayette ITS Architecture Update	$28,411
Neel-Schaffer	Traffic	H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville and WBR	$189,044
Neel-Schaffer	Traffic	H.013766.5	Local Road Signs & Striping (Caddo) (SUB)	$1,109
Neel-Schaffer	Safety	H.014684.1	D61 Intersections: Safety Study District 61	$5,219
Neel-Schaffer	Traffic/Safety	H.014579.5	FYA Signal Improvements (LCG)	$86,902
Neel-Schaffer	Safety	H.014959.1	US 167: I-10 to Willow St. RSA	$75,246

20. Certifications/Licenses:

*See attached.

Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ellen B. Howard

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ellen Howard

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ellen Howard

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Jonathan Duhe

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor

Authorized Instructor

Authorized instructor

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Jonathan Duhe

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Jonathan Duhe

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor	*Authorized Instructor*	*Authorized instructor*

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Santosh Andem

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Santosh Andem

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018

Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Santosh Andem

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Vijay Kunada

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Vijay Kunada

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Vijay Kunada

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: December 17, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Seth Popay

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Seth Popay

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Seth Popay

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kirk Gallien

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kirk Gallien

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kirk Gallien

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

21. QA/QC Plan and/or Work Plan:

N/A

22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

N/A

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.