

STATEMENT OF QUALIFICATIONS

Engineering and Related Services

CONTRACT NO. 4400026458

STATE PROJECT NO. H.014710.5

*Cedar Street Ext. to LA 22 and Roundabout
Route: LA 21 and LA 22*

March 15, 2023

Project Manager

Nick Ferlito, PE, PTOE
nick.ferlito@neel-schaffer.com
225-614-2813

Sections 1-11

CONTRACT NO. 4400026458 / SPN H.014710.5
Cedar Street Ext. to LA 22 and Roundabout
Route: LA 21 and LA 22



OUTFITTER'S DRIVE

EDGE OF PAVEMENT

CURB

SIDEWALK

YELLOW PAVEMENT MARKINGS

WHITE PAVEMENT MARKINGS

EXISTING RIGHT OF WAY

REQD. RIGHT OF WAY

TRUCK APRON AND MEDIAN

ISLAND

TO CHANGE

DATE

DOTD FORM: 24-102**(Revised January 1, 2023)****PROPOSAL TO PROVIDE CONSULTANT SERVICES**

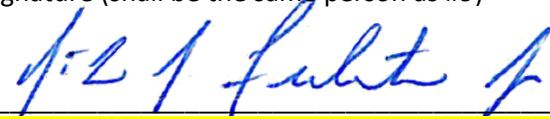
Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

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 Name as shown in the advertisement	CEDAR STREET EXT. TO LA 22 AND ROUNDABOUT ROUTE: LA 21 AND LA 22 <i>St. Tammany Parish</i>
2. Contract Number(s) as shown in the advertisement	4400026458
3. State Project Number(s), if shown in the advertisement	H.014710.5
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	Neel-Schaffer, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is 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 <i>Senior Vice President / Engineering Manager</i> nick.ferlito@neel-schaffer.com 225-614-2813
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Nick Ferlito <i>Senior Vice President / Engineering Manager</i> nick.ferlito@neel-schaffer.com 225-614-2813

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

Signature (shall be the same person as #9)



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

March 15, 2023

Date:

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

Firm(s):

N/A

Firm(s)' %:

N/A

12. Past Performance Evaluation Discipline Table:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Neel-Schaffer, Inc.	Each Discipline must total to 100%
Road	10%	100%	100%
Traffic	90%	100%	100%
Identify the percentage of work for the <u>overall contract</u> 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	8	25
Neel-Schaffer, Inc.	Principal	1	2
Neel-Schaffer, Inc.	Supervisor - Eng.	2	2
Neel-Schaffer, Inc.	Senior Technician	2	1
Neel-Schaffer, Inc.	Engineer Intern	1	1

14. Organizational Chart

CONTRACT NO. 4400026458

Cedar Street Ext. to LA 22 and Roundabout

Route: LA 21 and LA 22

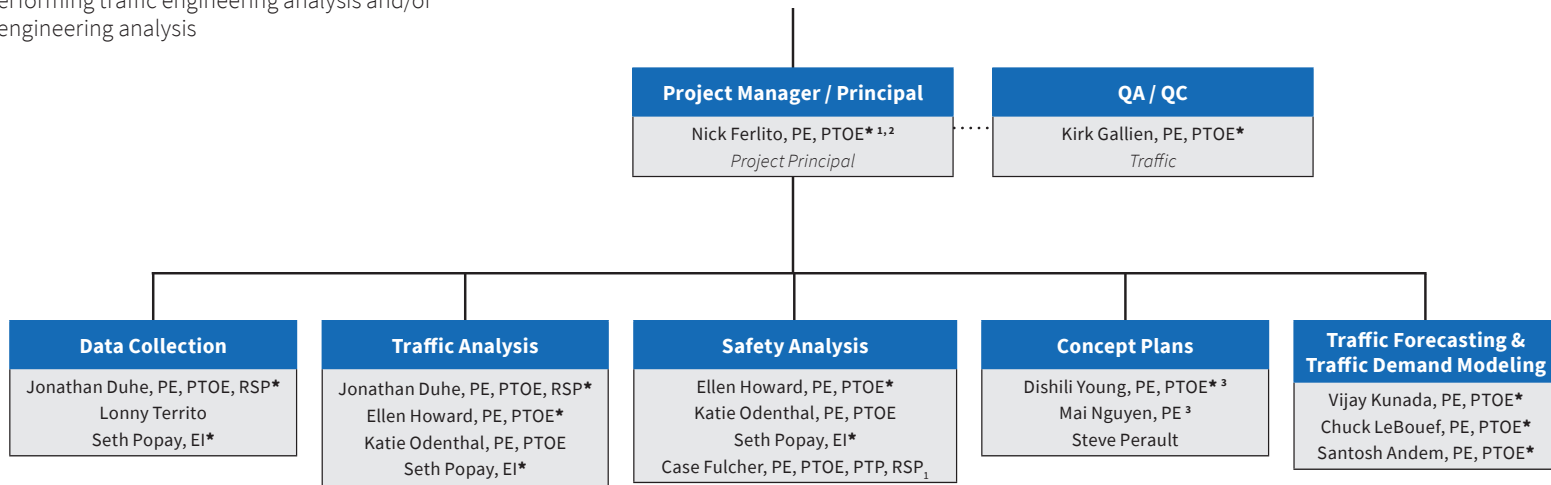
St. Tammany Parish

¹ Meets MPR No. 1

² Meets MPR No. 2

³ Meets MPR No. 3

★ Personnel performing traffic engineering analysis and/or
QC of traffic engineering analysis

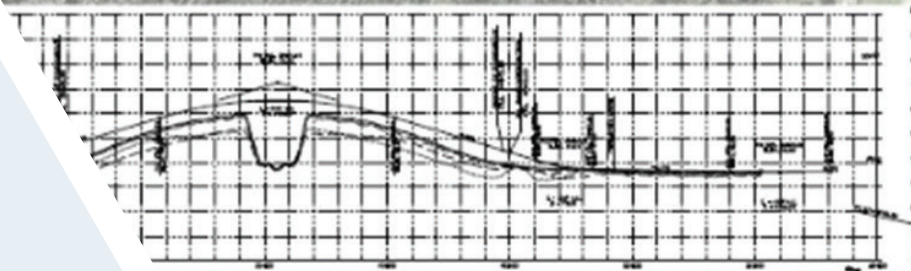


15. Minimum Personnel Requirements:

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 and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of License	License / Certification Expiration Date
1	Nick Ferlito, PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 – Civil	LA	09/30/2023
2	Nick Ferlito, PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 – Civil	LA	09/30/2023
3	Dishili Young, PE, PTOE	Neel-Schaffer, Inc.	PE No. 33723 – Civil	LA	09/30/2023
3	Mai Nguyen, PE	Neel-Schaffer, Inc.	PE No. 38189 – Civil	LA	03/31/2024

Section 16

CONTRACT NO. 4400026458 / SPN H.014710.5
Cedar Street Ext. to LA 22 and Roundabout
Route: LA 21 and LA 22



16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Nick Ferlito, Jr., PE, PTOE			Years of relevant experience with this employer	27
Senior Vice President			Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			B.S. / 1993 / Civil Engineering; M.S. / 1996 / Civil Engineering	
Active registration number / state / expiration date			No. 28001 / LA / 09-30-2023; Professional Traffic Operations Engineer No. 930	
Year registered	1998	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Project Manager / Meets MPRS 1 & 2	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
8/20 – Present	I-10 & I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA (H.013897) Project Manager for Interchange Modification Report, Transportation Management Plan (TMP) and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with DOTD’s TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) for evaluating various MOT strategies. The project also includes signal modification plans at College Drive and the I-10 WB off ramp.			
8/20 – Present	College Drive Enhancement Project (Perkins Road to I-10), Baton Rouge, LA (Movebr Project 19-EN-HC-0033) Project Manager for the Traffic Study component for the study of the College Drive corridor. The Traffic Study is being prepared in accordance with DOTD’ TEPR and includes performing all analysis in Vissim to evaluate various alternatives. In addition to corridor improvements, a tiered analysis will be performed to evaluate various interchange alternatives for I-10 at College Drive. Dynameq was also be used to evaluate off system and connectivity alternatives within the study area. The project will include the design of new traffic signal including new signal timings along the College Drive corridor.			
02/18 – Present	Kansas Lane-Garrett Road Connector and I-20 Improvements, Monroe, LA: (S.P. No. H.004774.5 & H.007300.6) Project Manager/Traffic Lead for the preparation of a Level 4 Transportation Management Plan, review of MOT plans, design of temporary and permanent traffic signals and design of the relocation of DOTD ITS fiber optic trunk line.			
07/16 – Present	I-49 South at Verot School Road, Lafayette, LA: (S.P. No. H.011235.5) Traffic Lead that performed Traffic QA/QC on the preparation of a Transportation Management Plan and design of temporary and permanent traffic signals.			
1/11 – 1/14	LA 447 Corridor Study, Walker, LA (LA 16 to US 190) (S.P. No. 701-65-1534) Project Manager for a traffic study to evaluate corridor improvements along LA 447 as well as interchange concepts at I-12. A TIER analysis was performed at the interchange of I-12 at LA 447 to evaluate various interchange configurations. The corridor analysis included HCS and Vissim analysis to evaluate RCUT and roundabout corridor concepts. Includes multilane roundabouts			
10/13 – 12/16	LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1) PM for the traffic study, including a TIER analysis for new interchange concepts at I-10 at LA 30, as well as corridor improvements between LA 3251 and LA 44. Future traffic forecast for the study were developed using the CRPC Travel Demand model and considered future interchanges at I-10 and LA 74 and LA 429. The recommended TIER I alternatives were analyzed in detail using Vissim. Includes Multilane Roundabouts			
03/19 – 11/19	District 08 Signal Timing Study (S.P.No.44-8851, T.O. No. H. 011960.5), Natchitoches, LA: Project Manager responsible for the Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), signal warrant analyses, intersection operations analyses (Synchro), and 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 Manager responsible for the Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), signal warrant analyses, intersection operations analyses (Synchro), and developed new signal timing and TSIs.			
01/17 – 05/20	Baton Rouge Computerized Signalization, Phases IV and V: – Project Manager responsible for performing traffic signal design which included vehicle detection systems, surveillance camera systems, fiber optic communications and construction services in support of the City of Baton Rouge computerized signalization. Phase IV included 21 intersections and Phase VA included 23 intersections.			

16. Staff Experience:

11/16 – 08/19	LA 385 Feasibility Study, Lake Charles, LA – Stage 0/Traffic & Safety Study (S.P. No. 44-4402, T.O. No. H.012685.1) Project Manager for the Stage 0 Report in support of safety and traffic operational improvements along with the LA 385 (Ryan Street) corridor between LA 3186 south of I-10 to Eddy Street north of I-10, including the LA 385 interchange with I-10.
03/13 – 02/17	Grand Prairie Highway Interchange and Frontage Road, Rayne, LA (H.003763) Project Manager for an interchange justification report (IJR) for a new interchange along I-10 at LA 98 in Rayne, LA. The IJR include data collection, traffic forecasting, HCS analysis for one build alternative and the no build. The IJR was completed in accordance with FHWA's 8 policy points concerning a request for a break in control of access.
06/15 – 07/16	LA 431 at LA 934 Intersection Improvements (H.007855.5), Ascension Parish, LA: Project Manager responsible for the 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 including updated signal timing.
04/18 – 06/19	LA 1256 Adaptive Signal System, Cameron Parish, LA: Project Manager responsible for the traffic signal modification plans 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.
06/15 – 09/16	LA 39/LA 46/LA 47 Corridor Signal Improvements, New Orleans, LA (S.P. No. 44-4829, T.O. No. H.011648.1) Project Manager responsible for the with Data Collection (Signal Inventory/Travel Time Runs), Signal Warrant Analyses, Intersection Operational Analyses (Synchro) to develop signal timing, and development of Traffic Signal Design Plans.
06/15 – 02/17	US 80 Traffic Control Signal Upgrade, Shreveport, LA (S.P. No. 44-4712, T.O. No. H.011733.5) Project Manager responsible for the with Data Collection (Traffic Counts and Travel Time Runs), signal warrant analyses, intersection operational analyses (Synchro), and Traffic Signal Design.
01/14 – 04/16	District 04 Signal Timing Study, Shreveport, LA (S.P. No. 44-0691, T.O. No. H.009321) Project Manager responsible for the with Data Collection (Signal Inventory and Travel Time Runs), signal warrant analyses, intersection operations analyses (Synchro), and signal timing implementation.
01/14 – 09/15	District 62 Signal Timing Study S.P. No. 44-0691, T.O. No. H.009321, Bogalusa, LA; Amite, LA; Kentwood, LA - Folsom, LA; Franklinton, LA: Project Manager responsible for the Data Collection (Signal Inventory and Travel Time Runs), signal warrant analyses, intersection operations analyses (Synchro), and signal timing implementation.
09/13 – 09/15	LA 44 Signal Timing Study, Gonzales, LA (S.P. No. 44-0691, T.O. No. H.005759) Project Manager responsible for the Data Collection (Signal Inventory and Travel Time Runs), signal warrant analyses, intersection operations analyses (Synchro), and signal timing implementation.
01/13 – 01/14	US 190 (LA 433 to US 11) Interim Capacity / Widening Improvements Stage 0 Feasibility Study, (RPC Project No. LA433) Project Manager for traffic and safety evaluation of a 6.6-mile segment of US 190 corridor within St. Tammany Parish extending from LA 433 to US 11.
01/06 – 12/09	City of Baton Rouge Green Light Plan – Traffic Lead for the City's Program Management Team responsible for all peer reviews of traffic studies and traffic signal design plans for the entire program. These reviews were coordinated with both City of Baton Rouge and DOTD representatives.
02/09 – 03/12	District 61 Inventory (44-0651 T.O. 701-65-1241). Project Manager responsible for the signal equipment and intersection inventories at 371 signalized intersections within DOTD District 61.
10/04 – 06/08	District 08 Inventory (700-99-0332 T.O. 701-65-0848). Project Manager responsible for the signal equipment and intersection inventories at 334 signalized intersections within DOTD District 08.
12/06 – 01/07	District 07 Inventory (700-99-0332 T.O. 701-65-0750). Project Manager responsible for the signal equipment and intersection inventories at 223 signalized intersections within DOTD District 07.
Career History	Mr. Ferlito is a traffic/transportation engineer with 30 years' experience in traffic engineering who manages a range of traffic and safety related projects. He has served as the project manager/traffic lead on DOTD IDIQ Contracts for Traffic Engineering (44-2630 / 44-4064), Traffic Signal Timing (44-1777 / 44-0691), Traffic Signal Design (700-99-0447 / 44-4712 / 44-8851), Traffic Signal Inventories (700-99-0332 / 44-4829), and Stage 0 Studies (44-1583 / 44-15258) since 2006. Additionally, he has served as project manager for DOTD Safety IDIQ Contracts (44-1583 / 44-4402 / 44-10504 / 44-23689). Nick has also managed 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. He is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, Tru-Traffic, SIDRA, VISSIM, and Dynameq. Mr. Ferlito is a certified Professional Traffic Operations Engineer (PTOE) and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Jonathan Duhe, PE, PTOE, RSP		Years of experience with this firm/employer	10
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 / 07-17-2025	
Year registered	2016	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Data Collection / 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. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/22 – Present	LRSP Ardenwood Dr Road Diet (Contract No. 4400013850, T.O. No. H.013622.5), Baton Rouge, LA: - Project Engineer, Responsible for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (HCS, Sidra), Safety Analyses, Traffic Report Preparation			
07/21 – Present	FYA Signal Improvement (LCG) (Contract No. 4400013850, T.O. No. H.014579.5) Lafayette, LA: Project Engineer. Responsible for the development of signal plans to upgrade 28 intersections to include flashing yellow arrow signal heads as well as backplates.			
03/21 – Present	MOVEBR Synchronization and Communication Signal Rebuilds – Group 3 (City of Baton Rouge; Proj. No. 20-TS-HC-0081 – 0086) Baton Rouge, LA: Project Engineer. Responsible for traffic signal design of 6 intersections within the city of Baton Rouge including data collection (TMCs, peak period observations, etc.), traffic signal analysis (Synchro), signal timing determination utilizing Synchro and Tru-Traffic softwares, and design plan preparation.			
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. Assisted in preparation of new signal timing plans for detour plans during construction.			
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. Responsible for data collection and Initial Data Collection Report.			
03/21 – 03/22	Highway 6 Signal Timing Update (City of Missouri City, CP Proj. No. 906-04), Missouri City, TX: Project Engineer. Responsible for Data Collection (TMCs, Observations, Inventory, Travel Runs, Speed Studies, etc), Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs			
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. Responsible for data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.			
12/19 – 03/22	US 80: Intersection @ Bellevue Rd (S.P. No. 44-10504, T.O. No. H.014044.1), Bossier Parish, LA: Project Engineer. Responsible for Data Collection (including traffic counts, peak period observations, queue counts, and speed studies), Intersection Operational Analyses (HCS), safety analysis, alternative development, and traffic report preparation.			
12/17 – 10/19	Rutherford Blvd Adaptive Signal Control Technology (ASCT) (City of Murfreesboro; Proj. No. CM-9311(22)) – Murfreesboro, TN: Traffic Engineer. Responsible for the preparation of plans for the upgrade of 15 traffic signals. These upgrades consisted of upgrading all vehicle detection as well as replacing controllers and some cabinets to allow for a new adaptive system. Plans also included the addition of fiber communications including splicing plans.			
11/16 – 04/19	LA 385 (Ryan St) Feasibility Study (Contract No. 4400004402, T.O. No. H.012685.1) Lake Charles, LA: Traffic Engineer. Responsible for data collection (including traffic counts, speed studies, driveway inventory, etc) and intersection analysis including Vistro analysis to develop build scenario timings as well as traffic signal warrant analysis. Also assisted with report preparation.			
08/16 – 07/19	US 425 / US 84 Corridor Study (S.P. No. 44-4064, T.O. No. H.011930.1), Vidalia, LA – Ferriday, LA - Project Engineer, Responsible for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (Synchro, Sidra), Warrant Analyses, Traffic Report Preparation			

16. Staff Experience:

02/16 – 10/17	LA 6 Feasibility Study (Contract No. 4400004402, T.O. No. H.012307.1) Natchitoches, LA: <i>Traffic Engineer</i> . Responsible for data collection (traffic counts, peak period observations, speed studies, etc.) . Responsible for intersection analysis utilizing Sychro and Sidra software as well as performing traffic signal warrant analyses. Also assisted with report preparation.
06/15 – 07/16	LA 431 at LA 934 Intersection Improvements (H.007855.5), Ascension Parish, LA: <i>Engineer Intern</i> Responsible for 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 including updated signal timing.
04/18 – 06/19	LA 1256 Adaptive Signal System, Cameron Parish, LA: <i>Traffic Engineer</i> . Engineer for traffic signal modification plans 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. Also incorporated traffic signal design of a temporary traffic signal including traffic signal analysis and traffic signal warrant analysis.
03/19 – 11/19	US 61 Signal Timing Study (S.P.No.44-8851, T.O. No. H.011186.5), Baton Rouge, LA: <i>Project Engineer</i> Responsible for Data Collection (TMCs, Observations, Inventory, Travel Runs, etc) , Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs
06/15 – 09/16	LA 39/LA 46/LA 47 Corridor Signal Improvements, New Orleans, LA (S.P. No. 44-4829, T.O. No. H.011648.1) Assisted with Data Collection (Signal Inventory/Travel Time Runs) , Signal Warrant Analyses, Intersection Operational Analyses (Synchro) to develop signal timing, and Traffic Signal Design Plans
06/15 – 02/17	US 80 Traffic Control Signal Upgrade, Shreveport, LA (S.P. No. 44-4712, T.O. No. H.011733.5) <i>Traffic Engineer</i> Responsible for Data Collection (Traffic Counts and Travel Time Runs) , Signal Warrant Analyses, Intersection Operational Analyses (Synchro), Signal Designs.
02/15 – 12/17	US 51 Business (I-12 to Coleman) Corridor Study (Contract No. 4400004064, T.O. No. H.011402.1): <i>Traffic Engineer</i> . Assisted with traffic signal analysis utilizing Synchro as Sidra software. Also assisted in traffic signal warrant analysis as well as report preparation.
03/20 – 06/20	Braud Rd @ Germany Rd Temp. Signal Design, Gonzales, LA: <i>Project Engineer</i> Responsible for developing 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: <i>Project Engineer</i> Responsible for 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: <i>Project Engineer</i> Responsible for Data Collection (TMCs, Observations, Inventory, Travel Runs, etc) , Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs
01/14 – 04/16	District 04 Signal Timing Study, Shreveport, LA (S.P. No. 44-0691, T.O. No. H.009321) <i>Engineer Intern</i> Assisted with Data Collection (Signal Inventory and Travel Time Runs) , Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Signal Timing Implementation
03/14 – 09/14	LA 1026 (Juban Rd) at Juban Crossing Signal Design – Denham Springs, LA - <i>Engineer Intern</i> Assisted with Signal Design (MicroStation, Intersection Quantities, Traffic Signal Inventory)
01/14 – 09/15	District 62 Signal Timing Study S.P. No. 44-0691, T.O. No. H.009321, Bogalusa, LA; Amite, LA; Kentwood, LA - Folsom, LA; Franklinton, LA: <i>Engineer Intern</i> Assisted with Data Collection (Signal Inventory and Travel Time Runs) , Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Signal Timing Implementation.
10/13 – 05/15	District 62 Traffic Signal Inventory, (Contract No. 44-2630, T.O. No. H.010031.5) <i>Engineer Intern</i> Reviewed field data and assisted with creating traffic signal inventories in the LADOTD format including checking field conditions and signal timings.
09/13 – 09/15	LA 44 Signal Timing Study, Gonzales, LA (S.P. No. 44-0691, T.O. No. H.005759) <i>Engineer Intern</i> Assisted with Data Collection (Signal Inventory and Travel Time Runs) , Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Signal Timing, and Implementation
Career History	Mr. Duhe joined Neel-Schaffer in 2013 and has over 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 in the collection of traffic data including traffic counts and speed studies. 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 DOTD's CAT Scan safety tool. Mr. Duhe is a certified Professional Traffic Operations Engineer (PTOE), a Road Safety Professional (RSP1) and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Ellen Burke Howard, PE, PTOE		Years of experience with this firm/employer	9
Title	Project Manager		Years of experience with other firm(s)/employer(s)	4.5
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering		
Active registration number / state / expiration date		PE 0038207 / LA / 03-31-2024; PTOE No. 3735		
Year registered	2013	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Traffic Analysis / 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. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/21 – Present	US 190 Access Management Stage 0 and Traffic Study: Traffic Engineer responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis, final traffic report			
03/21 – Present	MOVEBR N. Sherwood Forest Extension (C-P Proj. No. 20-CP-HC-0014): Traffic Engineer responsible for initial and final data collection, existing safety analysis, existing and no build HCS analysis, alternatives HCS analysis, and final traffic report			
09/20 – Present	MOVEBR College Drive Enhancements (C-P Proj. No. 19-EN-HC-0033): Traffic Engineer responsible for calibrated Vissim model, existing and no build traffic analysis and alternatives analysis.			
09/15 – 10/17	LA 22, Dalwill Drive to Roger Storme Road, Mandeville, LA: Project Engineer assisted with traffic analyses for corridor study along LA 22 from Dalwill Drive to Roger Storme Road. Alternatives considered included alternative intersection designs J-Turn and Roundabout intersections versus traditional signalized intersections.			
09/21 – 07/22	MOVEBR Harding Boulevard at Interstate I-110 (C-P Proj. No. 20-CP-HC-0016): Traffic Engineer responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis, Tier 1 alternative analysis, and final traffic report			
08/20 – 10/21	I-10 & I-12 College Dr. Flyover Ramp Design-Build Project (S.P. H.013897.1): Traffic Engineer responsible for calibrated Vissim model and traffic analysis, and Interchange Modification Report			
12/19 – 03/20	US 80: Intersection @ Bellevue Rd (S.P. No. 4400010504, T.O. No. H.014044.1): Traffic Engineer responsible for Initial and final data Collection, existing safety analysis, and Chapter 1 of Final Report and signalized intersection analysis.			
01/19 – 03/20	District 07 Safety Investment Plan Traffic Engineer responsible for data collection			
10/18 – 04/19	Kansas Lane – Garrett Road Connector and I-20 Improvements (S.P. H.007300): Traffic Engineer responsible for 90% Submittal Stage Draft Transportation Management Plan			
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			
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.			
02/16 – 04/18	LA 22 (Rou Mar Nei Drive to 1 st Street) (Contract No. 4400004064, T.O. No. H.011618.1): Traffic Engineer assisted with corridor traffic operational analyses including traffic signal analysis.			
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			
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			

16. Staff Experience:

01/15 – 06/15	LA 3002, 16 & 1034 Corridor Study Phase 2 (Contract No. 4400004064, T.O. No. H.011645.1): <i>Traffic Engineer</i> responsible for data collection and traffic signal analysis.
01/14 – 12/16	LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1): <i>Traffic Engineer</i> 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): <i>Traffic Engineer</i> responsible for data collection, warrant analysis, corridor operational analyses (Synchro and Sidra), Stage 0 traffic report preparation
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): <i>Traffic Engineer</i> 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: <i>Traffic Engineer</i> responsible for intersection operational analyses (Sidra).
Career History	Mrs. Howard joined Neel-Schaffer, Inc. in January 2014. Before joining Neel-Schaffer, Mrs. Howard worked as a Traffic Engineer for DOTD District 62. She also worked as a Traffic Engineer Intern for DOTD's Traffic Engineering Management Section in Headquarters. She worked on a variety of projects involving Traffic Engineering Studies, Signal Timing and Coordination, Corridor Studies, traffic modeling using VISSIM and Transportation Management Studies. During her employment at LADOTD, she also reviewed numerous Corridor Studies, Intersection Studies, Safety Studies, Traffic Impact Studies, and Temporary Traffic Control Plans. She is proficient in Traffic Engineering software such as HCS, Synchro, SIDRA, SimTraffic, VISSIM as well as DOTD's CAT Scan safety tool. She also attended Highway Safety Manual (HSM) workshop, Highway Capacity Analysis Seminar, Roundabout Design Workshop, Traffic Signal Workshop, Synchro Training, Vissim Training, Access Management Location and Design Course, Alternative Intersections / Interchanges Workshop, and Crash Reconstruction for Traffic Engineers Course. With Neel-Schaffer, Mrs. Howard has served as a project engineer for the noted traffic related DOTD projects. Mrs. Howard is a certified Professional Traffic Operations Engineer (PTOE), a certified Road Safety Professional Level 1, and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Katie Odenthal, PE, PTOE		Years of experience with this firm/employer	11
Title	Traffic/Transportation Engineer		Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering	
Active registration number / state / expiration date			PE 0040920 / LA / 03-31-2025; PTOE No. 4528 / 11-16-2024	
Year registered	2016	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Traffic Analysis / 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. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/22 – Present	LRSP Ardenwood Dr Road Diet (Contract No. 4400013850, T.O. No. H.013622.5), East Baton Rouge Parish, LA: Traffic Engineer. Performed peak period determination, organized data collection submittals. In the future, will perform existing and future intersection analyses, develop recommendations, and prepare report.			
09/22 – Present	Sugar House Road Extension, Intersection Control Evaluation (ICE) Study, Alexandria, LA: Traffic Engineer. Performed peak period determination, organized data collection, reviewed safety analysis. In the future, will perform existing and future intersection analyses including signal warrants, if necessary, develop recommendations, and prepare report.			
10/21 – Present	MovEBR Synchronization and Communication Signal Rebuilds – Group 3 and Group 4 (Contract No. 800003327 and 800003805), Baton Rouge, LA: Traffic Engineer. Assisted with preparing signal reports. Creating signal plans.			
10/21 – 05/22	MovEBR Sherwood Forest Extn (City-Parish Project No. 20-CP-HC-0014), Baton Rouge, LA: Traffic Engineer. This project was concerned with extending Sherwood Forest Blvd from Greenwell Springs Rd to Joor Rd. Assisted with alternative analyses for design years and report preparation.			
10/21 – 07/22	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. Performed intersection analyses, tier 1 analyses. Assisted with report preparation.			
10/21 – 06/22	US 190 Access Management Project (City Project No. 700.21.015), Mandeville, LA: Traffic Engineer. Performing a traffic study along US 190 from East Causeway Approach to Clausel Street in order to improve capacity. Performed demand calculations. Determined peak periods and peak hours. Performed intersection analyses and tier 1 analyses. Prepared data collection reports and existing analysis and no build analysis report submittals.			
03/16 – 04/17	LA 22 Corridor Study (Rou Mar Nei Drive to 1st Street) (Contract No. 4400004064, T.O. No. H.011618.1), Tangipahoa Parish, LA: Engineer Intern. Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Helped prepare the traffic report.			
02/16 – 04/17	LA 22 (Dalwill Dr to Rodger Storme Rd) Corridor Study (Contract No. 4400004064, T.O. No. H.011454.1), Mandeville, LA: Engineer Intern. Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Helped prepare the traffic report.			
07/15 – 04/16	US 80 Traffic Control Signal Upgrade (S.P. No. 44-4712, T.O. No. H.011733.5), Shreveport, LA: Traffic Engineer assisted with Data Collection (Traffic Counts and Travel Time Runs), Signal Warrant Analyses, Intersection Operational Analyses (Synchro), Signal Designs.			
03/15 – 12/17	US 51 (I-55 to University Avenue) Corridor Study (Contract No. 4400004064, T.O. No. H.011401.1), Hammond, LA: Engineer Intern. Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Help prepare the traffic report.			
03/15 – 12/17	US 51 Business (I-12 to Coleman) Corridor Study (Contract No. 4400004064, T.O. No. H.011402.1): Engineer Intern. Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Helped prepare the traffic report.			
03/15 – 03/16	LA 30 Stage 0 (Contract No. 4400001862, T.O. No. H.010572.1), Gonzales, LA: Engineer Intern. Performed intersection analyses for existing and future alternatives using Synchro and SIDRA software. Checked signal timings.			
06/15 – 02/18	LA 39/LA 46/LA 47 Corridor Signal Improvements (S.P. No. 44-4829, T.O. No. H.011648.1), New Orleans, LA: Traffic Engineer. Performed travel runs. Reviewed field notes, sight distance drawings, and clearance calculations. Performed crash analyses. Created collision diagrams. Prepared data collection submittals. Performed clearance calculations, created proposed timings, and developed signal plans.			

16. Staff Experience:

06/15 – 02/18	LA 39/LA 46/LA 3021 Corridor Signal Improvements (Contract No. 4400004829, T.O. No. H.011642.5), New Orleans, LA: Traffic Engineer. Performed travel runs. Reviewed field notes, sight distance drawings, and clearance calculations. Performed crash analyses. Created collision diagrams. Prepared data collection submittals. Performed clearance calculations and created proposed timings.
06/15 – 02/18	US 90/US 61/LA 611-9 Corridor Signal Improvements (Contract No. 4400004829, T.O. No. H.011646.5), New Orleans, LA: Traffic Engineer. Performed travel runs. Reviewed field notes, sight distance drawings, and clearance calculations. Performed crash analyses. Created collision diagrams. Prepared data collection submittals. Performed clearance calculations and created proposed timings.
08/14 – 08/17	North Sherwood Forest Drive Improvements (S.P. No. H.004578), Baton Rouge, LA: Engineer Intern. Assisted with temporary and permanent signal design including clearance calculations, signal timings, signal plans, and intersection quantities. Designed fiber interconnect plans and wiring diagrams. Analyzed proposed timings in Synchro and SIDRA.
08/14 – 08/15	US 171 at You Winn Rd. Signal Design (S.P. No. H.000870), Moss Bluff, LA: Engineer Intern. Assisted with temporary and permanent signal design including clearance calculations, signal timings, signal plans, and intersection quantities.
07/14 – 12/18	East Baton Rouge Computerized Traffic Signalization – Phases 4 & 5 (S.P. No. 700-17-0172, City Parish Project No. 01-TS-US-0005 and S.P. No. H.004077), Baton Rouge, LA: Engineer Intern. For Phase 4, maintained data concerning installed signalization equipment, created monthly pay estimates, and checked field installation versus the plans. For Phase 5, developed the fiber optic installation drawings and reviewed signal plans and project quantities.
07/14 – 11/15	Kansas Lane Extension Signal Design (S.P. No. H.004780.5), Monroe, LA: Engineer Intern. Assisted with temporary and permanent signal design including clearance calculations, signal timings, signal plans, and intersection quantities.
07/14 – 09/15	District 62 Signal Timing Study (Contract No. 4400000691, T.O. No. H.009321.1), Multiple Locations, LA: Engineer Intern. Reviewed field data, performed signal warrant analyses and intersection operation analyses, and assisted in developing new signal timings and TSIs.
07/14 – 05/15	District 62 Traffic Signal Inventory (Contract No. 4400002630, T.O. No. H.010031.5), District 62, LA: Engineer Intern. Reviewed field data and assisted with creating traffic signal inventories in the LADOTD format including checking field conditions and signal timings.
Career History	Mrs. Odenthal joined Neel-Schaffer, Inc. as a student intern in 2010, went full time in 2012 upon her graduation. She joined the Baton Rouge office in 2014. She is a traffic/transportation engineer who works on a range of traffic and transportation projects including intersection/corridor signal timing studies, signal design projects, and other traffic engineering related projects for both public and private projects. Mrs. Odenthal is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Mrs. Odenthal is a certified Professional Traffic Operations Engineer (PTOE) and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Seth Popay, EI		Years of experience with this firm/employer	3
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		Data Collection / Traffic Analysis / 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. Experience dates should cover the years of experience specified in the applicable MPR(s).			
12/20 – Present	College Dr. Enhancement Project (MOVEBR) Baton Rouge, LA: <i>Engineer Intern.</i> Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including travel time runs and collecting crash reports. Also assisted with performing a safety analysis using LADOTD’s Cat Scan safety tool.			
01/21 – 03/21	District 05 Safety Investment Plan – Monroe, LA: NSI evaluated crash history on the state and local highway network to identify potential roadway issues as well as potential infrastructure and operations safety countermeasures for nine parishes in DOTD District 05. Reviewed crash reports and data to be converted into one-page summaries of the segments and intersections involved in the study.			
12/20 – Present	Proposed Ouachita Middle School TIS – Statewide, LA: NSI performed a Traffic Impact Study (TIS) for Ouachita Parish School Board. The proposed middle school was to be located on the corner of a proposed development. Helped with data collection of turning movement counts (TMC) and peak hour observations. HCS software was used to analyze turn lane movements and proposed driveways. Engineer Intern			
12/20 – 02/21	Ellis Estates TIS, Denham Springs, LA: NSI performed a Traffic Impact Study (TIS) for NOCO, LLC. The new development is to be located on the south side of Buddy Ellis Road in Livingston Parish, LA. This was a Threshold 2 study based off Livingston Parish’s Traffic Impact Policy, which aimed at analyzing the proposed access to the proposed site. Trip generations were constructed based off existing and future condition volumes. Turn lane and intersection analysis was conducted using HCS software. Determined roundabout capacity and Level of Service (LOS) of the intersection of Buddy Ellis Ln at Juban Road using Sidra Intersections. Engineer Intern			
01/22 – Present	N 5th St – N 6th St Traffic Study, Monroe, LA – Engineer Intern. Performed a safety analysis of the two corridors as well as a safety analysis of the major intersections along both corridors using LADOTD’s Cat Scan safety tool.			
01/21 – Present	I-10 ITS Scott to Lake Charles, Statewide, LA: NSI performed various engineering design and ITS analysis for CCTV cameras along I-10 corridor. These tasks included detailed analysis, CAD drafting, and cost estimates of materials. Developed CAD plan sheets of CCTV camera pole locations and line work for various conduits/cables. Detail sheets were created for finalized 60% plans. Engineer Intern			
10/21 – Present	FYA Signal Improvements, Lafayette, LA : NSI performed intersection inventory of requested signals in the city of Lafayette. The new signal inventory was used to develop new TSIs (Traffic Signal Inventory) as well as recommend the requested modifications to the signals that need upgrading. Engineer Intern			
03/21 – Present	Synchronization and Communication Signal Rebuilds – Group 3, Baton Rouge, LA: MOVEBR identified six signals for group 3 that needed improvements. NSI evaluated crash history at the project intersections to identify potential roadway issues as well as potential safety countermeasures. HCS software was used to analyze the roadway network and develop new signal timings. Developed and designed CAD sheets to upgrade the existing intersection equipment to current design standards. Engineer Intern (Synchro, Clearance Calcs, AutoTurn, MicroStation)			
08/21 – Present	Synchronization and Communication Signal Rebuilds Phase 2 – Group 4, Baton Rouge, LA: MOVEBR identified six signals for group 3 that needed improvements. NSI evaluated crash history at the project intersections to identify potential roadway issues as well as potential safety countermeasures. HCS software was used to analyze the roadway network and develop new signal timings. Developed and designed CAD sheets to upgrade the existing intersection equipment to current design standards. Engineer Intern (Synchro, Clearance Calcs, AutoTurn, MicroStation)			
03/21 – Present	Signal Timing Analysis and Corridor Study for Hwy 6, Missouri City, TX: NSI performed data collection along a corridor section of highway 6 in Missouri City, Texas. Synchro software was utilized to analyze the existing signal timings along the corridor section as well as develop new recommended timings for the signals along the corridor. Engineer Intern			

16. Staff Experience:

08/21 – 02/22	LA 16 Access McDonalds/ Urgent Care TIS, Watson, LA – Engineer Intern. Assisted with data collection including peak hour observations and TMC counts. Performed turn lane analysis and intersection analysis. (HCS software)
02/22 – Present	Patriots Point Mixed Use Development TIS, Watson, LA – Engineer Intern. Performed trip generation as well as trip distribution. Assisted with turn lane analysis and intersection analysis. (HCS software)
12/21 – 01/22	LA 1256 Corridor Study, Lake Charles, LA – Engineer Intern. Collected and reviewed crash reports. Assisted with safety analysis for three intersections along LA 1256 corridor using LADOTD's Cat Scan safety tool.
Career History	Mr. Popay is an Engineer Intern with experience in multiple traffic and safety engineering software packages including HCS, SYNCHRO, Vissim, SIDRA and LADOTD's CAT Scan safety tool. Mr. Popay has completed DOTD's Traffic Engineering Process and Report (TEPR) training

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	William Case Fulcher, PE, PTOE, PTP, RSP ₁		Years of experience with this firm/employer	6
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. Experience dates should cover the years of experience specified in the applicable MPR(s).			
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 2I) /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. He also has significant experience in traffic forecasting, modeling, and analysis using CORSIM, HCS, Vistro, Synchro, ISATe, and TruTraffic for corridor and intersection studies for both public and private clients. His experience includes traffic signal design, traffic signal coordination, traffic signal timing, traffic impact analyses, transportation planning, and transportation safety planning. Mr. Fulcher also holds a Road Safety Professional (RSP1) certification (No. 351)

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Vijay Kunada, PE, PTOE, PTP		Years of experience with this firm/employer	17.5
Title	Vice President		Years of experience with other firm(s)/employer(s)	4.5
Degree(s) / Years / Specialization			BS / 1999 / Civil Engineering; MS / 2001 / Civil Engineering; MS / 2002 / Computer Science	
Active registration number / state / expiration date			PE 0032145 / LA / 03-31-2024; PTOE No. 2868 / 04-30-2025	
Year registered	2006	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Travel Demand Modeling / Traffic Forecast	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/20 – Present	MRB South GBR: LA 1 to LA 30 Connector, S.P. No. H.013284, As Mesoscopic Modeling Lead, Mr. Kunada is oversaw the development of regional mesoscopic model using Dynameq software and the analysis of proposed MS River bridge concepts under toll and non-toll options. Calibrated and validated 2019 base mesoscopic model, 2042 no-build model and 2042 build models for 20 bridge alternatives were developed and approved LADOTD. Model results were used as one of the criteria to select the final three alternatives to bring into the environmental planning process. Phase 2 of the study which includes detailed traffic analysis is currently under contracting process.			
10/21 – Present	MOVEBR’s College Drive Enhancement Project, Baton Rouge, LA: Mesoscopic Modeling (Dynameq) Lead to analyze several off and on corridor concepts considered in the vicinity of College Drive between Perkins Road and I-10. These concepts were modeled to determine which concept, or group of concepts, would result in the most improvements within the study area.			
08/20 – Present	I-10 & I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA (H.013897) Mesoscopic Modeling Lead for the analysis of Transportation Management Plan (TMP) for the proposed College Drive Ramp improvements. TMP was prepared for the various maintenance of traffic (MOT) phases. Vijay is leading the Dynameq (Mesoscopic Modeling) modeling for evaluating various MOT strategies and completed the modeling of MOT Phase 1.			
08/16 – 10/18	I-10 Mobile River Bridge and Bayway Widening, Mobile, AL (DPI-0030(005)) As IMR Lead, Mr. Kunada oversaw the development of IMR from data collection phase through the approval of IMR by FHWA on October 3, 2018. Tasks included traffic forecast for toll and non-toll options, analysis of the proposed Mobile River Bridge and the widening of the Bayway using Synchro/HCS, as well as the proposed modifications to the interchanges within the study area including Diverging Diamond Interchange (DDI) configurations at three locations, VISSIM modeling for analyzing complex weave conditions and the development of IMR in accordance with ALDOT guidelines and FHWA Policy Points.			
12/18 – 02/19	I-635 LBJ East Alternative Technical Concepts, Dallas, TX: Project Manager – Lead the traffic analysis and refinement of the Alternative Technical Concepts (ATC) proposed for three interchanges associated the I-635 LBJ East Project in Dallas, TX. Freeway elements, ramp terminals and frontage roads were analyzed for the original build concept and the proposed ATCs and demonstrated the effectiveness of the proposed ATCs over the original build concept.			
03/17 – 12/17	I-210 Bridge Traffic Impact Study, Calcasieu Parish, LA: Project Manager. Managed a traffic study to develop a preferred alternative by analyzing the impacts of various I-210 bridge closure alternatives, and to develop recommendations to manage the expected congestion related to the planned rehabilitation of I-210 bridge over Prien Lake in Lake Charles, Louisiana. Developed project specific travel demand model to model and understand the impacts of bridge closure scenarios.			
11/15 – 03/19	I-49 Interchange Improvement at US 190 and LA 31, St. Landry Parish, LA: Tasks included the development of existing and future traffic projections and the development of corridor concepts using the Access Management (AM) strategies, road diet options and innovative intersection configurations such as R-Cuts, J-turns and Roundabouts. LA (LADOTD Project No: H.011243.1): Role: Project Manager			
10/13 – 12/16	LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1) As Traffic Forecast Lead, Mr. Kunada managed the development of future traffic forecast for the study using the CRPC Travel Demand model (TransCAD) and considered future interchanges at I-10 and LA 74 and LA 429.			
09/20 – 06/21	MOVE 2046 Demographics and Travel Demand Model (TDM) Update (State Project No. H.972353): Mr. Kunada managed the development of tour based regional travel demand model (TransCAD) along with a land use allocation model for scenario planning and development of regional demographics. This is the latest model that should be used for all traffic forecasting within the Baton Rouge MPO area. Mr. Kunada also managed the development of all TDMs for the Baton Rouge MPO area since 2006.			

16. Staff Experience:

09/19 – 12/20	Monroe (LA) 2045 Metropolitan Transportation Plan (Connecting Ouachita 2045) (State Project No. H.972323.1): As Project Manager, Mr. Kunada oversaw the development of performance based multi-modal long range transportation plan with detailed regional freight component. Tasks also included travel demand model (TransCAD) development using big data sources, demographic forecasting, detailed multi-modal operational and safety needs analysis with robust public and stakeholder engagement element.
05/14 – 03/16	LA 73 Stage 0, Prairieville, LA – Traffic & Safety Study (S.P. H.011160.1) As Traffic Forecast Lead, Mr. Kunada managed the development of future traffic forecast for the study using the CRPC Travel Demand model and considered future interchanges at I-10 and LA 74 and LA 429.
10/14 – 11/16	Interstate 10 at Ambassador Caffery Pkwy Interchange Stage 0 Study: Project Manager for Traffic Analysis. Tasks included the development of existing and future traffic projections, safety analysis and development of future interchange conceptual geometry to improve safety and accommodate future traffic demands. AM strategies include channelized turn lanes, raised medians, RCUTs, limited access driveways. (LADOTD Project No: H.004492.1)
10/13 – 09/18	Roundabout Stage 0 Feasibility Studies at Various Intersections, Lafayette, LA: Completed 23 roundabout studies using LADOTD Stage 0 and Roundabout Policy. (LADOTD Project No: H.004490) Role: Project Manager
11/15 - 02/19	Southcity Parkway Extension, Phase 1, Robley Drive to Kaliste Saloom Road, Lafayette Parish, LA: Environmental Assessment 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, which is a navigable waterway. Project Engineer responsible for traffic forecast and analysis, including three roundabout geometry intersections.
02/13 – 02/17	Interstate 10 at Grand Prairie Hwy Interchange Justification Study: Role: Task Manager for Traffic and Safety Analysis and developing the IJR report (LADOTD Project No: H.003763). Mr. Kunada led the traffic study from traffic forecasting to analysis of proposed alternatives including the no-build and build scenarios. He also led the safety analysis of the proposed alternatives using ISATe tool.
09/19 – 12/20	Monroe (LA) 2045 Metropolitan Transportation Plan (Connecting Ouachita 2045) (State Project No. H.972323.1): As Project Manager, Mr. Kunada oversaw the development of performance based multi-modal long range transportation plan with detailed regional freight component. Tasks also included travel demand model development using big data sources, demographic forecasting, detailed multi-modal operational and safety needs analysis with robust public and stakeholder engagement element.
09/20 – 06/21	MOVE 2046 Demographics and Travel Demand Model (TDM) Update (State Project No. H.972353): Mr. Kunada managed the development of tour based regional travel demand model (TransCAD) along with a land use allocation model for scenario planning and development of regional demographics. This is the latest model that should be used for all traffic forecasting within the Baton Rouge MPO area. Mr. Kunada also managed the development of all TDMs for the Baton Rouge MPO area since 2006.
10/20 – 03/22	Baton Rouge (LA) 2046 Metropolitan Transportation Plan (MOVE 2046) (State Project No. H.972386): As Project Manager, Mr. Kunada oversaw the development of performance based multi-modal long range transportation plan with detailed regional freight component. MOVE 2046 tasks also include Congestion Management Process using big data sources and air quality conformity determination for the MPO with robust public and stakeholder engagement element.
Career History	Mr. Kunada joined Neel-Schaffer, Inc. in 2006. Mr. Kunada serves as a project manager for local and regional transportation plans, traffic impact studies, travel demand models, safety studies, signal warrant analysis, traffic signal timing plans, corridor analysis, interchange modification and justification studies, traffic simulation models (mesoscopic and micro), demographic forecasting, and other traffic engineering related projects for both public and private developments. He has extensive experience in traffic modeling including census data analysis, travel demand model development using TransCAD and CUBE, mesoscopic modeling using Dynameq and TransModeler, demographic forecasting, region wide safety data analysis, external travel surveys, Highway Capacity Software, Synchro, SimTraffic, ISATe, VISSIM, TransModeler, Dynameq, COSRSIM, DynaSmart-P, Trip Generation, traffic studies for Environmental Impact Statement projects, intersection studies and corridor analysis. His experience with traffic operational analysis includes microsimulation, freeway mainlines, ramp merge/diverge areas, weaving segments, multilane & 2-lane highways and intersection operations. Mr. Kunada served as project manager for 20 local and regional transportation plans in the states of Louisiana (managed six out of 8 MPO area plans), Mississippi, Alabama, Arkansas, Tennessee and Texas. Additionally, he has worked on developing transportation/infrastructure elements of comprehensive plans for City of Central, LA; Lafayette, LA; Alexandria, LA; Murfreesboro, TN; Louisville, KY. Mr. Kunada has completed DOTD's Traffic Engineering Process and Report (TEPR) training

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Santosh Andem, PE, PTOE		Years of experience with this firm/employer	12
Title	Senior Traffic Engineer		Years of experience with other firm(s)/employer(s)	4
Degree(s) / Years / Specialization		B. Tech/2003/Civil Engineering; MS/2006/Civil Engineering		
Active registration number / state / expiration date		PE 0036465 / LA / 03-31-2024; PTOE No. 3017		
Year registered	2011	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Traffic Analysis / Traffic Modeling / Signal Design		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/14 – 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, traffic analysis of existing and future volumes, forecasting future volumes using Lafayette Metropolitan Organization Travel Demand Model, and preparation of the report detailing the findings and recommendations.			
04/18 – 04/20	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 St. from Latiolais Dr. to Bridge St. Tasks completed include data collection, intersection/corridor analysis for existing and future conditions, 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, LA: 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 for existing and future volumes, writing technical memorandum documenting conclusions and recommendations.			
01/22 – 10/22	LA 92 Corridor Study, Youngsville, LA: This purpose of this project is to develop and evaluate the improvements along the East Milton Avenue/Iberia Street Corridor that would improve the existing corridor traffic operations. Tasks completed by Mr. Andem included spot speed data analysis, traffic analysis of existing and rerouted volumes using SIDRA and HCS software’s and developing report detailing findings and recommendations.			
01/22 – 10/22	Johnston Street from University Avenue to US 90/SE Evangeline Thruway, Lafayette Consolidated Government, Lafayette, LA: The primary purpose of this study is to evaluate the feasibility of complete streets along Johnston Street from University Avenue to Southeast Evangeline Thruway to provide options for all users of transportation. Mr. Andem worked on the traffic analysis of existing and rerouted volumes using Synchro, safety analysis 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.			
01/22 – 10/22	Second Street Traffic Study, Lafayette Consolidated Government, Lafayette, LA: The primary purpose of this study is to evaluate the feasibility of converting Second Street and Third Street from one-way streets to two-way streets between South Pierce Street/West Garfield Street and North Grant Street. Tasks completed by Mr. Andem included the traffic analysis of existing and rerouted traffic volumes using Synchro and SIDRA analysis software’s and preparation of the report detailing study findings and recommendations.			
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. Mr. Andem has completed DOTD’s Traffic Engineering Process and Report (TEPR) training.			

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Charles LeBoeuf, PE, PTOE		Years of relevant experience with this employer	9
Title	Project Engineer		Years of relevant experience with other employer(s)	1.5
Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering; MS / 2014 / Civil Engineering	
Active registration number / state / expiration date			PE 0042854 / LA / 03-31-2025	
Year registered	2018	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Traffic Forecasting	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/22 – Present	Pinhook Road at Kaliste Saloom Road, Lafayette, LA: This project evaluated the conversion of the intersection of Pinhook Road at Kaliste Saloom Road from a full access signalized intersection to a quadrant intersection. For this project, Mr. LeBoeuf analyzed the proposed intersection concept in Synchro and developed signal timings and lane geometry that would reduce intersection delay.			
10/21 – Present	College Drive Enhancement Project, Baton Rouge, LA: Several off-corridor concepts were considered in the vicinity of College Drive between Perkins Road and I-10. Mr. LeBoeuf analyzed these off-corridor concepts using mesoscopic modeling to determine which concept, or group of concepts, would result in the most improvements within the study area. These improvements include a reduction in vehicle delays and shifts in traffic volumes.			
02/21 – Present	I-10 and I-12 College Flyover Ramp Design-Build Project, Baton Rouge, LA: 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 (Dyanmeq) 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, Baton Rouge, LA: 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 Dyanmeq 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. This No Build model was then used as a background model to develop Bridge-specific models for each of the 20 proposed Bridge crossings.			
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.			
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			

16. Staff Experience:

	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 10.5 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, traffic analysis, and mesoscopic modeling . He also has experience in the collection of turning movement counts for development projects. Mr. LeBoeuf has completed DOTD's Traffic Engineering Process and Report (TEPR) training

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Dishili Young, PE, PTOE		Years of experience with this firm/employer	6
Title	Senior Project Manager		Years of experience with other firm(s)/employer(s)	15
Degree(s) / Years / Specialization		B.S. / 2002 / Civil Engineering / LSU; MCE/2018/Auburn University		
Active registration number / state / expiration date		No. 0033723 / LA / 9/30/2024		
Year registered	2008	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Concept Plans; Meets MPR 3		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
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): Project 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.			
08/08 – 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			
Road Design				
01/20 – Present*	I-20: LA 544 Overpass Replacement, State Project No. H.010616 Manage the preliminary and final design services for this project including four roundabouts, widening of LA 544 and replacement of an overpass bridge.			
04/18 – Present*	I-49 South at Verot School Road, S.P. No. H.011235.5: Mange the design services for the interstate design and service road design (drainage, roadway and TMP) for 2.4Mi miles of mainline, bridges and an interchange at the intersection of I-49 South/US 90 and Verot School Road.			
12/17 – 07/20*	Southcity Parkway Extension - Lafayette, LA: New 1.7 - mile, 4 lane median divided corridor US 167 to Kaliste Saloom Road; 3 multilane roundabouts and a new bridge crossing of the Vermillion River. NSI provided public outreach, environmental, road design and traffic services. Project Manager			
08/17 – 03/19	Juban Road Widening, S.P.N. H.004634 Juban Rd. Widening: Engineer of record and managed the completion of the roadway and drainage design services for this project. Widen Juban Rd. includes 4 multilane roundabouts			
08/17 – Present*	Mandeville Bypass - Mandeville, LA: Design Manager. New roadway corridor with roundabouts at LA 1088 and US 190.			
08/17 – Present	Ham Reid at LA 3092 Intersection Improvements: Engineer of record for a roundabout at the intersection of LA 3092 and Ham Reid Rd. The roadway and drainage design were completed in accordance with LADOTD guidelines.			

16. Staff Experience:

02/10 – 12/11	S.P. No. 450-10-0159: I-10 Widening Design-Build Siegen Ln. (LA Hwy 3246) to Highland Rd. (LA Hwy 74) for LA DOTD: Engineer and managed portions of the project for the widening of I-10 from four lanes to six lanes, bridge reconstruction (I-10 over Wards Creek and I-10 over KCS Bridge), and drainage design, completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor.
01/09 – 11/11	S.P. Nos. 454-01-0047 & 454-02-0025: I-12 Widening Design-Build (O'Neal Ln. to Pete's Hwy) for LA DOTD: Project Engineer for the widening of I-12 and bridge reconstruction (I-12 over Amite River (two bridges) and I-12 over O'Neal Lane (two bridges)), assisted with the scour analysis and H&H analysis at the Amite River and interstate drainage design.
05/16 – 01/20	Webster Parish Roadway, Bridge and Culvert Engineering, Damage Assessment and Reconstruction Services: Ms. Young managed the civil portion of this project which included approximately 200 roadway and new drainage sites.
08/17 – 03/20	LA 73 Turn Lanes: Engineering design manager for project completed with LADOTD design standards, guidelines, and software.
Career History	<p>Ms. Young has over 20 years of experience including program management, engineering management, project management and engineering design; management and design of interstate design-build projects, interstate design-bid-build projects, road design projects, drainage projects, H&H Studies, environmental studies and feasibility studies. Some of her CE are as follows:</p> <p>Transportation Safety Systems (Highway Safety Manual Graduate Course), Auburn University, 2016 ATSSA Traffic Control Supervisor and Technician Training Course, Baton Rouge, 2015 NHI Course No. 142005 - NEPA Transportation Decision Making, Baton Rouge, 2014 FHWA Highway Safety Manual Workshop, Baton Rouge, 2014 Roadside Safety Design by the Federal Highway Administration and National Highway Institute, LTRC, 2010 Applying Inroads V8.9, LSU Continuing Education, 2010 Urban Street Design, University of Wisconsin, Madison, Open Channel Design, University of Wisconsin, Madison, Storm Sewer Design, University of Wisconsin, Comprehensive Culvert Design, University of Wisconsin, Maintaining Asphalt Pavements, University of Wisconsin, Using HEC-RAS to compute water surface profiles for floodplains, bridge and culvert hydraulics, University of Wisconsin, Construction Issues in Louisiana, Lorman Education Services Louisiana Construction Contracting for Public Entities, Lorman Education Services DOTD's Traffic Engineering Process and Report (TEPR) training</p>

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Mai Nguyen, PE		Years of relevant experience with this employer	7
Title	Roadway Design Engineer		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			B.S. / 2008 / Civil Engineering	
Active registration number / state / expiration date			No. 38189 / LA / 03-31-2024	
Year registered	2013	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Concept Plans; Meets MPR 3	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/20 – Present	I-20: LA 544 Overpass Replacement, S.P. No. H.010616, Lincoln Parish, LA: Ms. Nguyen is a design engineer supporting the preliminary and final design services for this project. 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 tasks include geometric layouts, 3-D roadway models, Autoturn, sequence of construction, estimated quantities and project cost estimates. / <i>Design Engineer</i>			
04/18 – Present	I-49 South at Verot School Road, S.P. No. H.011235.5: Ms. Nguyen is completing the roadway design for this project which will construct 2.4 miles of mainline freeway and interchange at the intersection of I-49 South/US 90 and Verot School Road. This project includes the design of a major bridge crossing at Verot Rd. and I-49, and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. Neel-Schaffer is serving as the subconsultant for this project and designing the mainline and frontage roadways and associated a drainage. / <i>Design Engineer</i>			
09/22 – Present	E. Milton Ave. Roundabout Widening and Corridor Improvements, Youngsville, LA: Ms. Nguyen is a design engineer for this project which will widen and overlay 1.1 miles of roadway at the intersection of Chemin Metairie Road and E. Milton Avenue. This project includes adding a two-way left turn lane to existing 2-lane and convert a single roundabout to multilane roundabout. The corridor upgrade includes subsurface drainage, restricted crossing U-turn, and raised median to prevent left turn movements. / <i>Design Engineer</i>			
2019 – Present	IDIQ Contracts for Design of Safety Projects (Contract No. 4400013850): The contract provides statewide design and feasibility studies multiple parishes in Louisiana. Ms. Nguyen is responsible for assist developing multiple Feasibility Studies for various safety projects involving new sidewalk, cross walks, signing, ADA ramps, striping, etc. Her report tasks include new sidewalk alignments, and estimated project cost. / <i>Design Engineer</i>			
01/22 – Present	H.009290 LSU Laboratory School SRTS Project, East Baton Rouge Parish, LA: This project is a safe route to school project and will provide approximately 2,260 feet of shared use path or sidewalk on LSU campus. The project will also provide shared use lane pavement marking, permeable concrete pavement, new handicap curb ramps, and shared use lane signing and striping. Ms. Nguyen is responsible for developing plan set. / <i>Project Engineer</i> .			
06/21 – 07/22	H.010108 Independence SRTS – Phase II, Tangipahoa Parish, LA: This project will provide safety improvements by replacing signs and sidewalk to connect to a middle school. The project will construct 4,100 feet of sidewalk and upgrade handicap curb ramps at intersections with new traffic signs. Ms. Nguyen is responsible for developing plans, quantities and cost estimates. / <i>Project Engineer</i> .			
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. / <i>Design Engineer</i>			
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. / <i>Design Engineer</i>			
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. / <i>Design Engineer</i>			

16. Staff Experience:

11/15 – 07/20	Southcity Parkway Extension, Phase 1, Robley Drive to Kaliste Saloom Road, Lafayette Consolidated Government (LCG): Environmental Assessment (EA), preliminary design and final design. Several conceptual bridge and roadway layouts were developed and studied for a median divided roadway with roundabouts and a bridge crossing the Vermilion River at various locations. Once the optimum location of the bridge crossing was determined and roadway alignments refined, the proposed concept advanced forward for design. She provided design support for the roadway design.
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. / <i>Design Engineer</i>
11/15 - 05/19	LA 27 turn lane improvements, Cameron and Calcasieu, LA: Responsible for developing roadway plans following LADOTD design guidelines at three turn lanes along LA 27 at LGN plant entrances. Served as utility coordinator and provided engineering support during construction. Also, responsible for developing utility agreement packages as part of utility coordination phase. The tasks included communication, site visitation and coordination with countless utility companies, LNG facility personnel and LADOTD to seamlessly reduce and address utility conflicts. Also, assisted the Contractor with design associated with concrete barrier, provided working drawings to assist with construction activities, and provided commercial driveway detail drawings and design at locations with large grade changes. / <i>Design Engineer</i>
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.
02/16 - 04/18	LA 22 (Rou Mar Nei to 1st) Corridor Study (Contract No. 4400004064, T.O. No. H.011618.1): 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. / <i>Design Engineer</i>
09/15 - 10/17	LA 22 (Dalwill to Rodger Storm) Corridor Study (Contract No. 4400004064, T.O. No. H.011454.1): 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. / <i>Design Engineer</i>
02/17 - 06/17	LA 6 (I-49 Interchange to LA 3278) Corridor Study in Natchitoches, LA. S.P. No. H.011402: LA 6 Corridor Study Includes analysis of proposed roundabout interchange (3 roundabouts) geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study. / <i>Design Engineer</i>
02/15 - 12/16	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. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
02/15 - 10/16	US 51 (W University to I-55) Corridor Study (Contract No. 4400004064, T.O. No. H.011401.1): US 51 Corridor Study. Includes analysis of eight roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study. / <i>Design Engineer</i>
09/14 - 08/15	LA 16: Roundabout @ LA 447, Livingston, LA. S.P. No. H.010124: Responsible for developing roundabout preliminary roadway plans in accordance with LADOTD design guidelines, creating horizontal and vertical alignment layouts, modeling roadway to determine required right-of-way limits, developing sequence of construction, and perform hydraulic analysis. / <i>Design Engineer</i>
05/12 - 10/14	H.009033: LA 44 Intersection Improvement @ LA 934, Ascension, LA: Responsible for developing roadway plans in accordance with LaDOTD design guidelines, performing sub-surface drainage calculations, creating horizontal and vertical alignment layouts, modeling roadway to determined required right-of-way limits, and calculating quantities and cost estimates for bidding. / <i>Design Engineer</i>
Career History	Ms. Nguyen has 14 years of experience as a Roadway Design Engineer, including over six years working for LADOTD roadway design. She is proficient with modeling and developing roadway plans in accordance with LADOTD design guidelines. She has completed numerous roadway construction plans, including roadway alignments, cross sections, geometric details, graphical grades, construction sequencing, striping and 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 utility coordination and working with Contractors and LADOTD Engineers to ensure the project is constructed according to plans. She has involved with feasibility studies, stage 0 reports, roadway concept layouts for traffic studies, develop high level cost estimates for multiple District Safety Investment Plans. She is Certified as a Work Zone Traffic Control Supervisor, Technician and Flagger.

16. Staff Experience:

Firm employed by Neel-Schaffer, Inc.				
Name	Stephen Perault		Years of relevant experience with this employer	6
Title	Senior Technician		Years of relevant experience with other 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		Concept Plans		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Career History	<p>Mr. Perault has over 35 years’ experience in roadway design which includes the design of over 25 roundabout projects and design support for roadway projects (turn lanes, new roadway corridors, widening, interstates and more). He retired from LADOTD in 2015 and has worked in the private sector since then. His capabilities include:</p> <ul style="list-style-type: none"> • Stage 3 (Engineering) design and drafting of complete LA DOTD roadway plans for Engineer review and stamp. • Draft and design on LA DOTD Stage 0 (Feasibility) and Stage 1 (Environmental) projects. • FEMA disaster recovery work. • Extensive knowledge of Inroads, Microstation, Descartes, Storm and Sanitary CAD, Cadconform and ProjectWise software and LA DOTD’s Hydwin design programs. • Perform QA/QC review of roadway plans. • Completing NOI permit applications and Constructability/Biddability forms. • Draft design exceptions, processes plan revisions and change orders. <p>His project experience at LADOTD includes:</p> <ul style="list-style-type: none"> • S.P. H.000466: US 190: Roundabout at Eden Church RD. 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. • S.P. H.008322: LA 637: Port of S. Louisiana Connector 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. • S.P. H.003969: Existing 3-Lane to Contraband Bayou Bridge 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. • S.P. 262-02-0023: Denham Springs – Watson 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. 			
02/19 – Present	Streetscape Improvements US 71 (Barksdale Blvd.); Bossier Parish - Project includes approximately 1.5 miles of sidewalk and drainage improvements along US 71 (Barksdale Blvd.). <i>Engineering Support</i>			
08/17 – Present	Lafayette Downtown Sidewalks, Curb, and Overlay – Lafayette, LA: Replacement of existing sidewalks and signage along the route, improvements for pedestrian crossings, construction administration. <i>Engineering Support</i>			
12/17 – Present	Southcity Parkway Extension - Lafayette, LA: This project will construct a new 1.7 – mile, 4 lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes a new bridge crossing of the Vermillion River. The roadway and drainage design is being completed in conformance with LADOTD guidelines and provides multimodal facilities. Mr., Perault is providing design support and assisting with the plan production.			
08/17 – Present	Juban Road Widening, S.P.N. H.004634 Juban Rd. Widening: Design support and plan production for this project which will widen LA 1026, construct shared use paths, construct two multilane roundabouts and two new frontage access roadways.			

16. Staff Experience:

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 many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes new bridge with sidewalk over I-20. The entire project limits are complete street compliant which means it provides facilities for all users. <i>Engineering Support</i>
08/17 – 03/20	LA 73 Turn Lanes: This project which constructed turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design was completed in accordance with LADOTD guidelines. Mr. Perault provided design support and assisted with plan production.
11/19 – Present	IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62): This project will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design and construction related engineering. Mr. Perault is providing design support and is assisting with plan production.
04/18 – Present	I-49 South at Verot School Road, S.P. No. H.011235.5: This project which will construct 2.4 miles of mainline freeway, bridges and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Mr., Perault is providing design support and assisting with the plan production.
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 – 01/22	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 – 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 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:

Firm employed by Neel-Schaffer, Inc.				
Name	Ronald Kirk Gallien, PE, PTOE		Years of experience with this firm/employer	3.5
Title	Senior Project Manager		Years of experience with other firm(s)/employer(s)	36
Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering		
Active registration number / state / expiration date		PE 0023428 / LA / 09-30-2023; PTOE No. 1288		
Year registered	1989	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Traffic QA/QC		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
1994 – 2007	DOTD District 05 – District Traffic Operations Engineer			
	<ul style="list-style-type: none"> Performed numerous traffic studies and composed numerous traffic engineering reports which included analysis of traffic operations, warrants analysis for the installation of new traffic signals, designing new traffic signal installations, designing timing plans for new traffic signals or modifications to existing traffic signals, designing new and modified signing, designing new and modified pavement markings, establishing new speed limits, and modifying existing speed limits. Annually investigated and analyzed existing traffic control devices at locations identified as having a high potential for safety improvement. Recommended and implemented modifications to improve traffic operations and safety at these locations. Coordinated and supervised the design of timing plans to upgrade all traffic signals in District 05 (approximately 275) from electromechanical to electronic controller operations. Coordinated and supervised upgrades to these traffic signals in accordance with new timing plans. Reviewed access connection plans and site plans. Worked closely with private developers and public entities regarding access to proposed developments to ensure conformance with all 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. Responded to numerous interrogatories and requests for production, provided numerous depositions, and testified in court on a number of occasions. <p>Projects:</p> <ul style="list-style-type: none"> Computerized Traffic Signal System in District 05 (State Project No’s. 015-31-0043 & 016-01-0034) – Reviewed consultant plans regarding design of a new closed loop traffic signal system to ensure compliance with all DOTD standards and provided technical assistance to the consultant during design of the project. Provided technical assistance to construction personnel during the installation of new traffic signal and signal communication field equipment. After completion of the project, implemented and utilized 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 2018 – 2020	DOTD District 05 – Assistant District Administrator of Operations			
	<ul style="list-style-type: none"> 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, temporary and permanent repairs, and recovery related to hurricanes, flooding, tornados, and winter weather events. 			

16. Staff Experience:

2014 – 2018	DOTD Headquarters – Assistant Secretary of Operations
2020 – Present	<ul style="list-style-type: none">• Completed traffic studies and prepared written Traffic Engineering reports. Specific duties performed for traffic engineering studies included compiling filed data, performing peak period observations, performing warrants analyses, performing capacity analyses, QA/QC of field data and analyses, forming conclusions and recommendations based on the results of analyses, and preparation of technical reports. These studies included developments such as a 600-student middle school, a 400-student charter school, commercial subdivisions, and a 650-unit student housing facility near Louisiana Tech University. Additionally, traffic studies and Traffic Engineering written reports included evaluations at numerous intersections to determine if a new traffic signal is warranted, if modifications to existing traffic signals or traffic control are warranted, if modifications to signing is warranted, and if modifications to pavement markings is warranted.• Compiled field data and assisted with analysis of data and preparation of a written report to create the 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 Transportation Management Plan included identifying the scope, goals, and constraints of the project, performing traffic and safety analyses, and assessing detour routes to effectively manage traffic during the project. Assisted with developing plans for stakeholder and public involvement during the project as well as the development of plans for maintenance of traffic, temporary traffic control, and work zone management strategies to be implemented during the project.• For the Garrett Road-Kansas Lane Connector project, H.007300, assisted in preparation of a Level 4 Transportation Management Plan. Assisted with the design of temporary traffic control, design of temporary traffic signal operations, and design of temporary and permanent traffic signal construction required for the project. Reviewed plans and performed QA/QC for temporary and permanent traffic signals and temporary and permanent traffic control throughout the entire project limits.
Certifications	<ul style="list-style-type: none">• 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	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			N/A	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Data Collection	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Career History	Certified in Work Zone Traffic Control Supervisor, Technician and Flagger.			
05/15 – Present	LA 328 Stage 0, Breaux Bridge, LA – Traffic & Safety Study (S.P. No. 44-4909, T.O. H.011279.1) Develop to traffic and safety analysis of the LA 328 in proximity to I-10 in St. Martin Parish. Performed traffic counts and traffic controller downloads.			
06/14 – Present	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 downloads.			
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 downloads.			
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 downloads.			
09/14 – 01/18	District 02 Traffic Signal Inventory Retainer Contract, I-610, I-10, US 90 & LA 3021 Corridor Improvements (17 intersections) (4400004829 Task Order H.011649.5) Performed traffic counts and traffic controller downloads.			
09/14 – 01/18	District 02 Traffic Signal Inventory Retainer Contract, US 90, US 61 & LA 611-9 Corridor Improvements (20 intersections) (4400004829 Task Order H.011646.5) Performed traffic counts and traffic controller downloads.			
09/14 – 01/18	District 02 Traffic Signal Inventory Retainer Contract, US 61 & LA 3154 Corridor Improvements (23 intersections) (4400004829 Task Order H.011514.5) Performed traffic counts and traffic controller downloads.			
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 downloads.			
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 downloads.			
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 downloads.			
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 downloads.			

16. Staff Experience:

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 downloads.
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 downloads.
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 downloads.

Section 17

CONTRACT NO. 4400026458 / SPN H.014710.5
Cedar Street Ext. to LA 22 and Roundabout
Route: LA 21 and LA 22

Segment 3
Log Mile 2.36-3.68



17. Firm Experience:

Firm name	Neel-Schaffer, Inc.		Past Performance Evaluation Discipline(s)*		Traffic	
Project name	LA 1088 Traffic Study (LA 59 to I-12 Westbound Ramp)			Firm responsibility (prime or sub?)		Prime
Project number	SPN.4400002630 / H.010116	Owner's name	Louisiana Department of Transportation & Development			
Project location	Mandeville, LA		Owner's Project Manager		Ryan Hoyt, PE, PTOE	
Owner's address, phone, email		P.O. Box 94245, Baton Rouge, LA 70804 / 225-379-1370 / ryan.hoyt@la.gov				
Services commenced by this firm (mm/yy)		8/2015	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

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Neel-Schaffer performed a corridor study along LA 1088 from LA 59 to the I-12 westbound ramps, a distance of approximately 3.5 miles. The study included a development of various geometric alternatives within the LA 1088 corridor under study to improve corridor mobility and safety. Both roundabout and traditional signalized intersections were studied. The alternatives also provided sidewalks or shared-use path throughout the corridor.

The methodology utilized in performing this study included (1) Collection of Existing Traffic Data, (2) Traffic Analysis, (3) Safety Analysis, (4) Development of Proposed Alternatives, (4) VISSIM Animations and (5) Development of a Corridor Traffic Study Report. Three Concept Alternatives (Alternatives 1A, 1B and Alternative 2) were presented during meetings with State and Parish Government Officials, and one public meeting was held to present these alternatives to the public for review and comment. An additional meeting was held with the Forest Brook Subdivision Association to allow the subdivision association further review of the project concepts.

VISSIM models for each of these alternatives along with existing conditions and no build alternatives were developed to present at meetings.

Based on the results of the analysis of these alternatives and discussions with LADOTD, a Corridor Traffic Study Report was prepared documenting the recommended improvements. In addition, cost estimates for the alternatives were included as well as an Implementation Plan to document the phased implementation of the recommended alternative with short term and long-term projects. The Public Involvement was also documented in the Final Report.



NSI Personnel: Jerry Trumps, Nick Ferlito, Barry Brupbacher, Dishili Young, Mai Nguyen, Ellen Howard

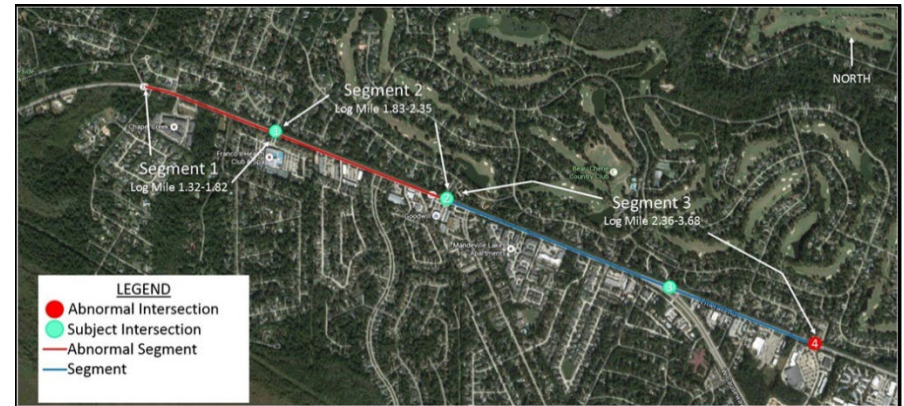
17. Firm Experience:

Firm name	Neel-Schaffer, Inc.		Past Performance Evaluation Discipline(s)*		Traffic	
Project name	LA 22 Traffic Study (Dalwill Dr. to Roger Storme Rd.)			Firm responsibility (prime or sub?)		Prime
Project number	SPN. 4400004064 / H.011454.1	Owner's name	Louisiana Department of Transportation & Development			
Project location	Mandeville, LA		Owner's Project Manager		Ryan Hoyt, PE, PTOE	
Owner's address, phone, email		P.O. Box 94245, Baton Rouge, LA 70804 / 225-379-1370 / ryan.hoyt@la.gov				
Services commenced by this firm (mm/yy)		09/15	Total consultant contract cost (\$1,000's)			\$225
Services completed by this firm (mm/yy)		10/17	Cost of consultant services provided by this firm (\$1,000's)			\$225

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Neel-Schaffer performed a study to evaluate alternatives to improve the safety and efficiency of the LA 22 corridor from Dalwill Drive to Roger Storme Road. The corridor is an urban, principal arterial that connects Madisonville to US 190.

Analysis and field observations showed safety and operational issues along this corridor. Safety analyses revealed a high percentage of rear end crashes on all three study segments, likely due to signal queueing, a high number of eastbound driveways and driver distraction. Segment 1 (Roger Storme Road to Marina Boulevard) and Segment 2 (Marina Boulevard to Beau Chene Boulevard) are on LADOTD's abnormal segment list. The only intersection classified as abnormal is the Dalwill Drive intersection, while West Causeway Approach, Beau Chene Boulevard and Marina Boulevard all have a high number of rear end crashes. Operationally, all four signalized intersections have excessive delays, queueing and heavy congestion, which likely contribute to the high number of rear end crashes.



All three of the alternatives considered will improve operations and safety by reducing queues at signalized intersections, increasing capacity along the corridor, and removing left turning vehicles from through lanes. Segment 1 shall remain in its current configuration for all the alternatives. Alternative 1 utilizes six roundabouts, seven U-turns and a four-lane divided roadway with a raised median from Marina Boulevard to Dalwill Drive in its design. Alternatives 2 and 3 both consist of a five-lane roadway with a two-way-left-turn-lane from Marina Boulevard to Dalwill Drive. While Alternative 2 maintains traditional signals at already signalized intersections, Alternative 3 replaces the signals with roundabouts.

Operational benefits, safety benefits, estimated construction cost, and right-of-way impacts were all considered when evaluating alternatives. After assigning values to each variable, Alternative 1 rated highest with Alternative 3 (Roundabout) a close second. Both of these alternatives are costly at around \$30 million and require about 5 acres of right-of-way, but provide the most anticipated reduction in crashes, queues, and intersection delays.

NSI Personnel: Nick Ferlito, Mai Nguyen, Ellen Howard

17. Firm Experience:

Firm name	Neel-Schaffer, Inc.		Past Performance Evaluation Discipline(s)*		Road	
Project name	Mandeville Bypass			Firm responsibility (prime or sub?)		Sub
Project number	N/A	Owner's name	St. Tammany Parish			
Project location	Mandeville, LA		Owner's Project Manager		Laura B. Gatlin, PMP	
Owner's address, phone, email		620 N Tyler Street, Covington, LA 70434 / 985.898.2552 / lcbeach@stpgov.org				
Services commenced by this firm (mm/yy)		07/15	Total consultant contract cost (\$1,000's)			\$2,000
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$450

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

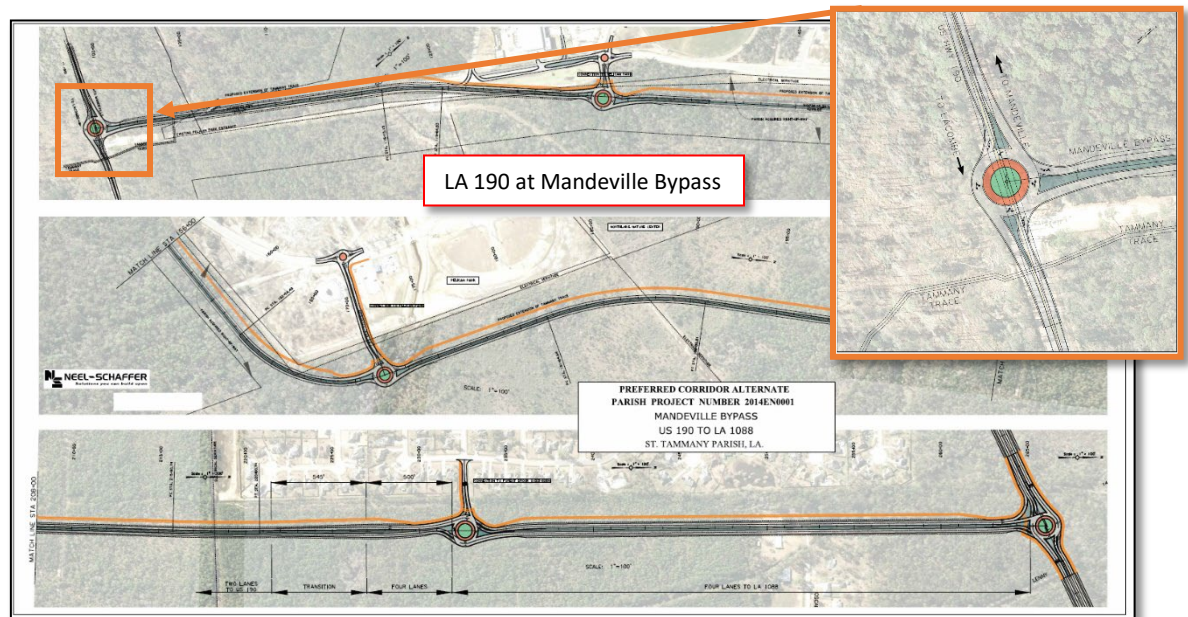
The Mandeville Bypass will provide a new 3-mile median section roadway with integral bike bath connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will also provide multiple entrances to Pelican Park, a major recreation facility serving west St. Tammany Parish.

Neel-Schaffer is managing the public involvement, developing traffic forecasts, providing traffic analysis, completing the preliminary and final roadway plans, traffic control design, utility coordination, construction cost estimates, and construction support. The project includes roundabout intersections at connecting state routes as well as a pedestrian and bicycle path integral with the route design. Neel-Schaffer is also leading the environmental planning for the project as well as permitting as may be required.

Challenge: Pipeline conflicts

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

Firm Members Involved: Jerry Trumps (Principal), Dishili Young, Scott Andrepont, Chance Shuckrow, Barry Brupbacher, Vijay Kunada, Josh Schexnider, Nick Ferlito, Ellen Howard.



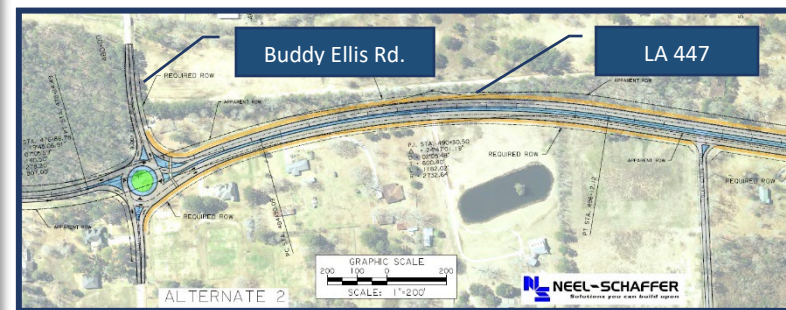
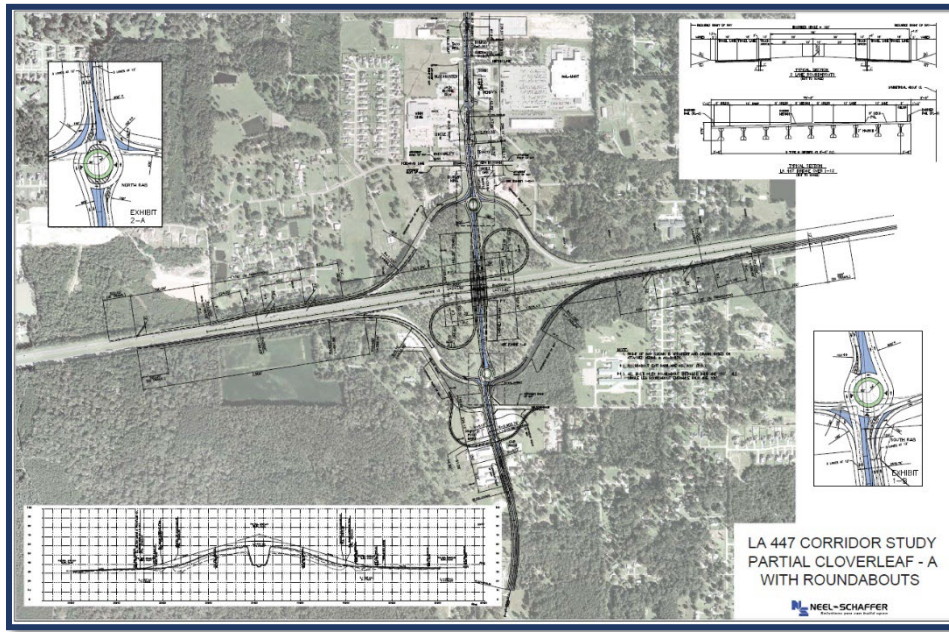
17. Firm Experience:

Firm name	Neel-Schaffer, Inc.		Past Performance Evaluation Category(ies)*		Road, Traffic	
Project name	LA 447 Corridor Study			Firm responsibility (prime or sub?)		Prime
Project number	4400000651 & 4400002630	Owner's name	LADOTD			
Project location	Livingston Parish, LA			Owner's Project Manager	Jody Colvin, PE	
Owner's address, phone, email		P.O. Box 94245, Baton Rouge, LA ; 225-242-4635; jody.colvin@la.gov				
Services commenced by this firm (mm/yy)		01/11	Total consultant contract cost (\$1,000's)			\$470
Services completed by this firm (mm/yy)		1/14	Cost of consultant services provided by this firm (\$1,000's)			\$750

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

NSI performed a corridor study and developed the horizontal and vertical geometry (InRoads alignments), and layouts for LA 447 from the railroad tracks near Keith Street to LA 16 (approximately 10.2 miles) in Walker, LA (Livingston Parish). The purpose of the study was to determine the best mobility and safety alternative for the LA 447 corridor. The study included evaluation of various alternatives along the LA 447 corridor and identified potential concepts to improve the corridor mobility and safety. Neel-Schaffer created the layout sheets with horizontal geometry for the corridor and provided cost estimates. Neel-Schaffer's geometry formed the foundation for the geometry which was carried forward in the LA 447 EA project.

Based on the results of the modeling of these alternatives and discussions with LADOTD, short-term and long-term improvements were developed and modeled using the VISSIM software. Based on these short-term and long-term improvements, an Alternative Analysis Report was prepared documenting the recommended improvements. In addition, an Implementation Plan was included to document the phasing of short-term and long-term projects to include project cost and time frame. This project provided the basis for the Environmental Assessment.



Jerry Trumps (Principal), Nick Ferlito, Dishili Young, Mai Nguyen, Chance Shuckrow, Scott Andrepont.

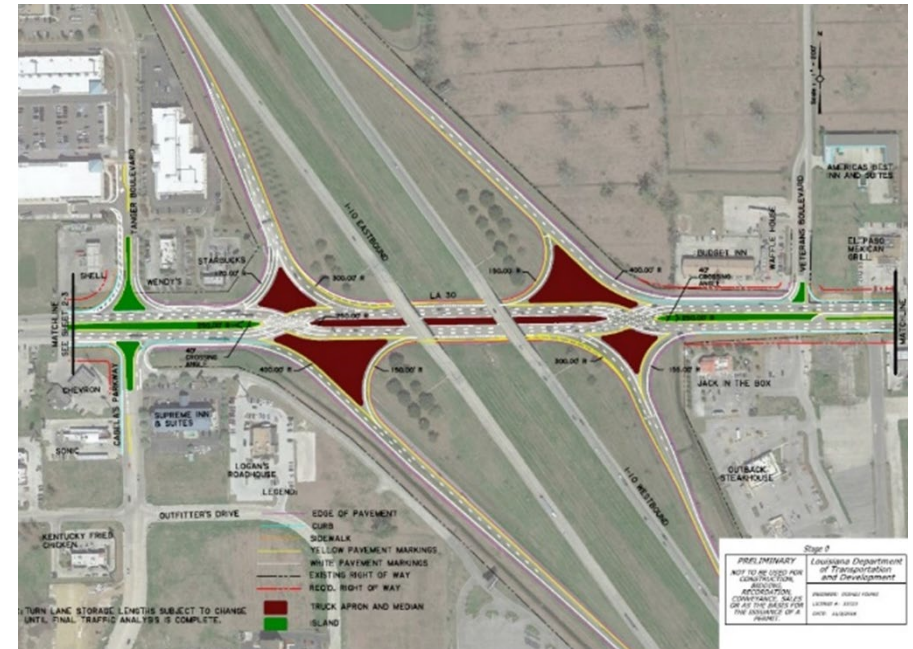
17. Firm Experience:

Firm name	Neel-Schaffer, Inc.		Past Performance Evaluation Discipline(s)*		Planning/Traffic	
Project name	LA 30 Stage 0 Traffic Study (Ashland Rd to Burnside Ave.)			Firm responsibility (prime or sub?)		Sub
Project number	SPN.44-1862 / H.010572.1	Owner's name	Louisiana Department of Transportation			
Project location	Gonzales, LA		Owner's Project Manager		Connie Porter Betts, PE	
Owner's address, phone, email		P.O. Box 94245, Baton Rouge, LA 70804, 225-379-1297, connie.porter@la.gov				
Services commenced by this firm (mm/yy)		10/13	Total consultant contract cost (\$1,000's)			\$454
Services completed by this firm (mm/yy)		12/16	Cost of consultant services provided by this firm (\$1,000's)			\$454

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Neel-Schaffer, Inc. provided the traffic study for the feasibility of improving the mobility of LA 30 from LA 3251 (Ashland Rd.) to LA 44 (S. Burnside Ave.) in Gonzales, Ascension Parish, LA and helped conduct public and stakeholder meetings. In addition, Neel-Schaffer staff (Dishili Young and Steve Perault) assisted with the completion of the stage 0 report, tier analysis, concept layouts, and checklists, while working at CB&I (Prime Consultant). This project identified, interim, intermediate, and long-term alternatives. The traffic study included the collection of existing traffic data, traffic forecasting using the CRPC Travel Demand Model, capacity analysis of the LA 30 corridor for RCUTS, roundabouts and traditional intersections and microsimulation of interchange concepts. The interchange concepts were evaluated at LA 30 and I-10 using at tiered process.

- Tier 1: 20 interchange concepts were evaluated for cost, traffic operations, ROW, environmental and utility impacts. Interchange sketches were completed on aerial imagery for the tier 1 matrix. Ultimately, the Diamond Interchange with roundabouts, Diamond Interchange with Signals and Diverging Diamond Interchange were selected for detailed analysis in Tier 2.
- Tier 2: Concept layouts were completed for the three interchanges and corridor improvements, detailed traffic operations analysis were performed using microsimulation for the three (3) interchange concepts. The microsimulation process including developing an approved calibrated existing model before developing the no build and alternative microsimulation models. Shown to the right is the DDI alternative plan sheet which was one of several concept layouts completed with the assistance of current Neel-Schaffer employees.



NSI Personnel: Nick Ferlito, Ellen Howard, Stephen Perault, Vijay Kunada, Dishili Young, Jonathan Duhe



Section 18

CONTRACT NO. 4400026458 / SPN H.014710.5
Cedar Street Ext. to LA 22 and Roundabout
Route: LA 21 and LA 22

18. Approach and Methodology:

Neel Schaffer, Inc. has a long-standing tradition of providing sound, effective and innovative engineering services, and solutions for a variety of traffic 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 team has experience in the wide array of traffic projects across the entire state of Louisiana consistent with the scope of services identified in this RFQ. **Our team includes 9 PTOEs, of which, 7 are located in Louisiana.** Our previous traffic project experience similar to this project includes providing **intersection/corridor analysis** for corridors such as US 190, LA 22, LA 1088, LA 6, Mandeville Bypass and LA 30; and developing Stage 0s for corridors to address traffic and safety issues. Our staff has been trained and has experience following DOTD's **Traffic Engineering Process and Report (TEPR).**

STUDY AREA BACKGROUND

Bridge Operations – The existing swing span bridge crossing of the Tchefuncte River within Madisonville currently opens for marine traffic on the hour. A bridge opening typically requires 7-10 minutes to cycle through open and closure. The US Coast Guard recently approved peak period marine traffic navigation limitations providing for no bridge openings from 6:00 am to 8:00 am during the morning vehicle traffic peak and no openings from 4:00 pm to 6:00 pm during the evening vehicle traffic peak. Bridge operations will need to be accounted for in the proposed traffic study.

Existing Traffic Operations – Within the area of study, LA 22 (Mulberry Street) transits east-west through the town of Madisonville as a two-lane state route. The LA 22 posted speed is 35 mph through town; there is an existing signalized intersection with turning lanes provided at the intersection of LA 22 and LA 21 (Main Street). Sidewalks are currently being constructed along LA 22 through town.

LA 21 proceeds north (posted speed 25 mph) through historic Madisonville to St. John Street, west on St. John Street (posted speed 25 mph) to Covington Street, and north on Covington Street (posted speed 25 mph) until it exits the Madisonville corporate limits.

Local Concerns – The LA 22 corridor intersection with the Tchefuncte River forms the heart of the Madisonville Business community. Many restaurants are located along the riverfront which attract patrons from across the Parish and the community routinely supports the use of the riverfront area for local festivals.

NSI staff reviewed the project with local officials, Madisonville Mayor Jean Pelloat and Parish Council Representative Mike Lorino. Conceptually both officials are supportive of the project, but concerns were expressed. Although the current LA 22 posted speed through town is 35 mph, the signalized intersection at LA 21 tends to meter traffic through town and slow traffic down below the posted speed between the existing LA 22 intersection with LA 21 and the movable span bridge. With the new roundabout in place, the signal control will be removed from the LA 22 intersection with existing LA 21 at Main Street. Because of safety concerns, both officials believe that the posted speed of LA 22 east of the new roundabout should be reduced to 25 mph. Also, although sidewalks are currently under construction along existing LA 22 through town, the Mayor believes that additional pedestrian public safety improvements are warranted to provide for safe pedestrian access along LA 22 and for pedestrians crossing LA 22 with particular focus on the riverfront at Water Street. These elements will be considered in our traffic study.

PROJECT APPROACH TO SCOPE OF WORK

NSI will coordinate and perform a traffic study to analyze the effects of the proposed roadway extension of Cedar Street that will tie into LA 22 (Mulberry Street). We will develop concepts to determine geometric feasibility of the proposed improvements and anticipated right of way (ROW) needs. The traffic analysis study will be performed in accordance with all Louisiana Department of Transportation and Development (DOTD) guidelines and policies, including but not limited to the Traffic Engineering Process and Report (TEPR) guidelines, Complete Streets Policy, Engineering Directives and Standards Manual (EDSM), Highway Safety Manual (HSM), DOTD's Design Guidelines and other relevant design manuals and guidelines.

The following exhibit shows a potential conceptual plan for extending LA 21 south from the Covington Street intersection with St. John Street along Cedar Street to LA 22 including a new roundabout intersection with LA 22 to be located approximately 1,300 feet from the existing swing span bridge. The geometry of the existing Covington Street intersection with St. John Street will need to be studied with historic properties and / or their viewsheds potentially be impacted.



The NSI team will develop a Project Management Plan for this study. 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 this traffic study. The scope of work will include project initiation meeting, data collection, existing safety analysis, existing and no build traffic analysis, TIER 1 analysis, Alternative analysis of proposed concepts, development of proposed alternative concept layouts and a final traffic report documenting the effect of extending Cedar Street to LA 22. Each of these is discussed in detail below.

- **Task 1: Project Initiation Meeting** – NSI will coordinate and attend a project initiation meeting with DOTD Traffic Management and District 62 representatives; and City of Madisonville representatives to discuss the project, establish communication protocols, obtain background information, past studies, present proposed project schedule, etc.
- **Task 2: Initial Data Collection** – NSI will collect 7-day, 24 hour counts on LA 22 and LA 21 within the study area to identify the study peak periods. The recommended peak periods will be submitted to DOTD as Appendix A for review and approval prior to completing the final data collection. It is anticipated that AM and PM peak period will be recommended. However, due to the recreational nature of the study area, a weekend peak may also be identified.
- **Task 3: Final Data Collection** – Upon approval of the recommended peak periods, NSI will collect turning movement counts with unmet demand at 14 intersections within the study area. 48 hour approach counts with classification will also be collected at each of the 14 intersections. Peak hour observations will also be collected during these peak periods as well as existing geometric checklist. NSI staff will also recommend growth rates for the study area using the RPC Regional Travel Demand model to develop forecasted No Build and Build volumes. Our NSI staff has extensive knowledge using the RPC travel demand model. The final data collection will be submitted to DOTD as Chapter 1 and Appendix B for review and approval.
- **Tasks 4 and 5: Existing Safety Analysis & Existing and No Build Traffic Analysis** – Upon approval of Chapter 1 and Appendix B, NSI will perform an existing safety analysis for within the study area based on the latest 3 years of approved vehicular crash reports and the latest 5 years of approved ped/bike crash reports. The safety analysis will consist of using DOTD's CATScan tool to identify level of safety service and any flagged crashes; collision diagrams and crash report review and documentation. The safety analysis will

provide a summary documenting and crash hotspots and potential causes of crashes. In addition, an existing and no build traffic operations analysis will be performed for all existing study intersections using multi-period analysis using HCS7 software. Based on the existing safety and traffic operations analysis, potential alternatives will be developed. In addition, TIER 1 analysis of the intersection of LA 22 and the extension of Cedar Street as well as the intersection of LA 21 at Cedar Street will be performed to evaluate potential intersection alternatives at these locations using CAP-X and SPICE tools. The results will be submitted to DOTD in the form of Chapter 2 and Appendices C & D.

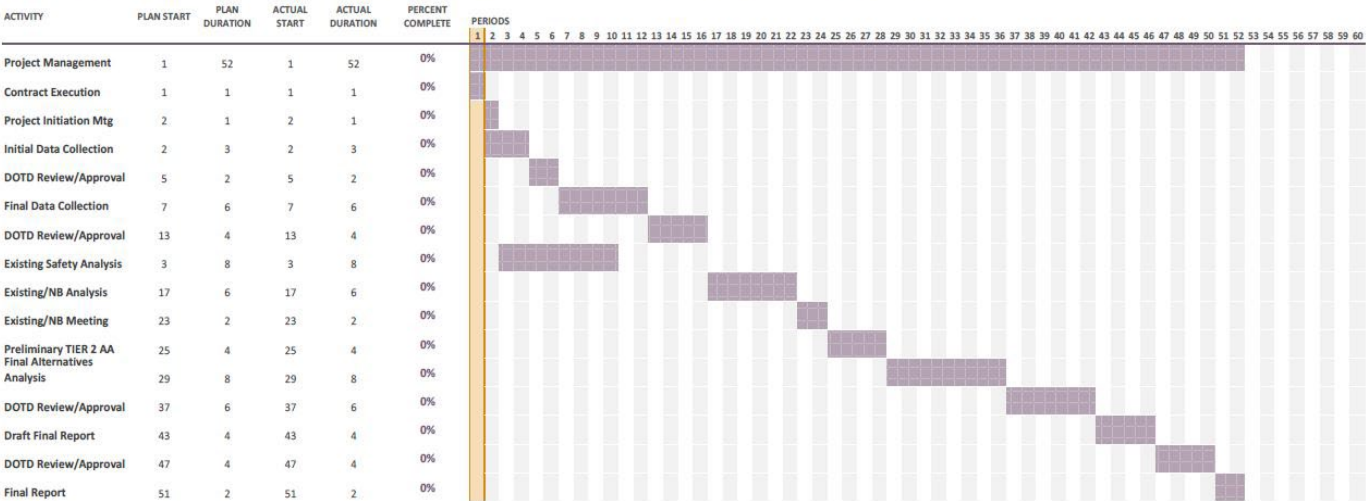
- **Task 6: Existing and No Build Meeting** – Upon completion of the Existing and No Build Analysis, a meeting will be schedule with DOTD and other stakeholders to present the Existing and No Build findings as well as present and discuss the TIER 1 alternatives analysis.
- **Tasks 7 and 8: Preliminary TIER 2 and Alternative Analysis** – The preliminary TIER 2 analysis will consist of developing redistributed build volumes due to the extension of Cedar Street to LA 22 as well as the development of high-level sketches and analysis of proposed alternatives similar to the proposed conceived previously illustrated. At this meeting, a recommended evaluation matrix will be provided and discussed. This evaluation matrix may include traffic operations, safety benefit, ROW impacts, cost, etc.. This preliminary TIER 2 analysis will be coordinated with DOTD prior to proceeding with the final alternatives analysis. Once approved by DOTD, NSI will complete the alternative analysis which will include detailed critical geometry of the proposed alternatives to determine geometric feasibility of the proposed improvements and anticipated right of way (ROW) needs. The design criteria and geometric layouts for the alternative concepts will be developed using aerial photography and DOTD’s design standards. The geometric layouts will include the identification of constraints and approximate right-of-way limits for evaluation of impacts. Develop preliminary cost estimates based on unit cost data with the use of the DOTD cost estimating tool. In addition, detail traffic operational analysis to document anticipated delays and queues as well as a summary of crash types that maybe reduced or eliminated by proposed alternative(s) will be documented. This submittal will include Introduction, Executive Summary, Chapter 3 and Appendix E.
- **Task 9: Final Report** – Upon completion of the above tasks, NSI will combine the previous approved submittals to compile the Final Traffic Study report for submittal and approval by DOTD.

Progress Reporting: NSI will develop a work breakdown structure schedule using Microsoft Projects for project 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. The below preliminary project schedule indicates that we can complete the project within the 1-year anticipated contract time.

Cedar Street Ext. to LA 22

Select a period to highlight at right. A legend describing the charting follows.

Period Highlight: 1



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

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	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	Technical Report Submittals	Project Team	Technical Report Package	Project Manager

Coordination: There are multiple meetings anticipated to take place during this project. 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 this project. 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 DOTD.

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 our NSI team and DOTD for this project. 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. Our team has the institutional knowledge, multi-disciplinary staff and support facilities to deliver all resources necessary to meet and exceed the DOTD's needs. We look forward to the opportunity to show firsthand the quality that our team can provide.



Section 19-23

CONTRACT NOS. 4400025298 & 4400025299
IDIQ Contracts for Traffic Engineering
Statewide

19. Workload:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Neel-Schaffer, Inc.	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	\$56,469
Neel-Schaffer, Inc.	ITS	H.004780.5 EWL No. 6, H.004780.5	Kansas Lane Connector	\$5,644
Neel-Schaffer, Inc.	Traffic	SPN 4400010428 S.A. 4, H.004774; H.007300.6	Kansas Lane - Garrett Road Connector and I-20 Improvements (SUB)	\$3,501
Neel-Schaffer, Inc.	ITS	SPN 4400010428 EWL #3; H.004774.5, H.007300	Kansas Lane - Garrett Road Connector and I-20 Improvements (SUB)	\$4,292
Neel-Schaffer, Inc.	Road	4400013850, H.009290.5	LSU Lab School SRTS Project	\$23,000
Neel-Schaffer, Inc.	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	\$256,188
Neel-Schaffer, Inc.	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	\$26,300
Neel-Schaffer, Inc.	ITS	4400016364, H.013256.6	ITS: I-10 ITS Scott to Lake Charles Technical Support Services During Construction	\$19,658
Neel-Schaffer, Inc.	ITS	4400016364, H.011504.5	Alexandria ITS Phase 2	\$128,707
Neel-Schaffer, Inc.	Traffic	44-17438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	\$21,269
Neel-Schaffer, Inc.	Traffic	4400013850, H.014579.5	FYA Signal Improvements (LCG)	\$2,365
Neel-Schaffer, Inc.	Traffic	4400013850, H.013622.5	LRSP Ardenwood Dr. Road Diet	\$42,063
Neel-Schaffer, Inc.	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	\$48,005
Neel-Schaffer, Inc.	Planning	4400018271, H.014746.1	LA 383 Corridor Study	\$62,000
Neel-Schaffer, Inc.	Road	4400013850, H.013751	Downtown Greenway LA Connector	\$306
Neel-Schaffer, Inc.	Road	4400013850, H.013770	LSRSP Signing and Striping - Iberia Parish	\$15,900
Neel-Schaffer, Inc.	Safety	440023689, H.015148.5	District 03 Safety Investment Plan	\$326,392
Neel-Schaffer, Inc.	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	\$498,434
Neel-Schaffer, Inc.	Safety	4400023689, H.015227.5	US 61 @ Victoria Dr. Ped Crossing	\$129,002

* The **only** past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify). If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. **NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE.** LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

If the advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank.**

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



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

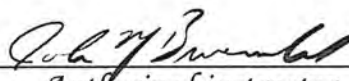
Hours (PDHs) Awarded: 4



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

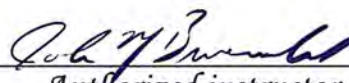
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3


Authorized Instructor


Authorized Instructor


Authorized instructor



Certificate of Completion

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Ellen B. Howard

for completing the

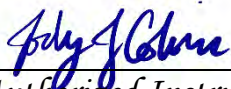
Traffic Engineering Analysis Process & Report Module 1

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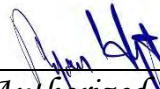
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Ellen Howard

for completing the

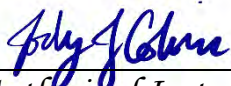
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Location: Baton Rouge, Louisiana

Professional Development

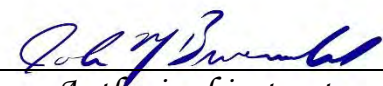
Hours (PDHs) Awarded: 3



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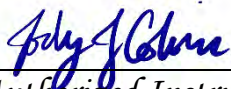
Traffic Engineering Analysis Process & Report Module 3

Date: October 29, 2018

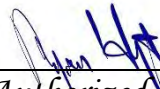
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Jonathan Duhe

for completing the

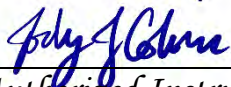
Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018

Location: Baton Rouge, Louisiana

Professional Development

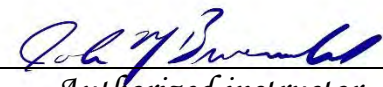
Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Jonathan Duhe

for completing the

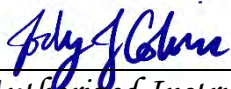
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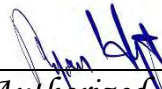
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Jonathan Duhe

for completing the

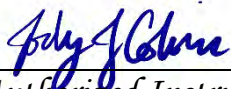
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Date: October 29, 2018

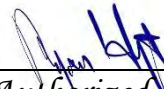
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: March 10, 2021

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



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



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



Certificate of Completion

presented to

Kirk Gallien

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: October 1, 2018

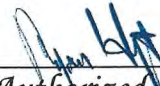
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2.5



Authorized Instructor



Authorized Instructor



Authorized instructor



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



Certificate of Completion

presented to

Kirk Gallien

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: October 15, 2018

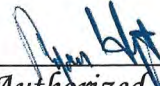
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Charles LeBoeuf

for completing the

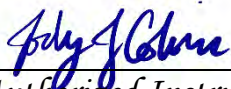
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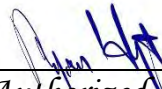
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Charles LeBoeuf

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018

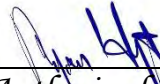
Location: Baton Rouge, Louisiana

Professional Development


Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Charles LeBoeuf

for completing the

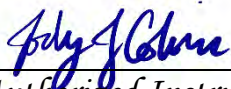
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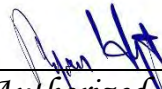
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Vijay Kunada

for completing the

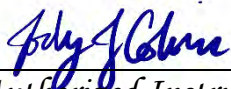
Traffic Engineering Analysis Process & Report Module 1

Date: October 1, 2018

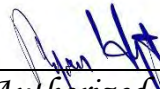
Location: Baton Rouge, Louisiana

Professional Development

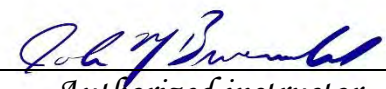
Hours (PDHs) Awarded: 2.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Vijay Kunada

for completing the

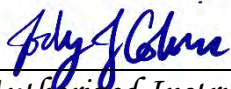
Traffic Engineering Analysis Process & Report Module 2

Date: October 10, 2018

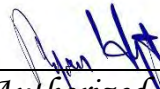
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Vijay Kunada

for completing the

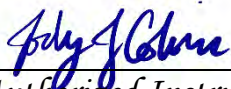
Traffic Engineering Analysis Process & Report Module 3

Date: December 17, 2018

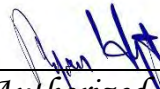
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

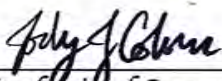
Katie Odenthal

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



Certificate of Completion

presented to

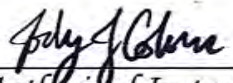
Katie Odenthal

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



Certificate of Completion

presented to

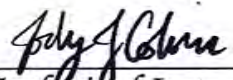
Katie Odenthal

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



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



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



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



Certificate of Completion

presented to

Santosh Andem

for completing the


Traffic Engineering Analysis Process & Report Module 1

Date: July 30, 2018

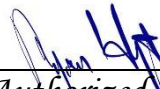
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2.5



Authorized Instructor



Authorized Instructor



Authorized instructor



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



Certificate of Completion

presented to

Santosh Andem

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: October 18, 2018

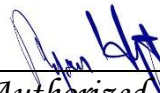
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



21. QA/QC Plan:

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.**

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.

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number

(Add rows as needed)

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. Any information included in this section will be redacted if not required by the advertisement.**