



STATEMENT OF QUALIFICATIONS 23-037

Resolution No. 143314

TRAFFIC ENGINEERING SERVICES

January 25, 2024

Contact:

Charles Adams, PE, PTOE
Senior Project Manager
1340 Poydras Street, Suite 1950
New Orleans, LA 70112
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January 25, 2024

Jefferson Parish Council
General Government Building
200 Derbigny Street, Suite 6700
Gretna, Louisiana, 70053



RE: **SOQ 23-037 Traffic Engineering Services Resolution No. 143314**

Neel-Schaffer, Inc. (NSI) is pleased to respond to SOQ 23-037 Traffic Engineering Services. We are a large, multi-disciplined consulting engineering firm with over 600 professional, technical, and support staff operating business throughout the southern United States with Louisiana offices in New Orleans, Mandeville, Baton Rouge, and Lafayette. We have 47 staff members located in Louisiana offering the services of 24 registered Professional Engineers.

NSI is ranked in the top 200 in the *Engineering News Record* "Top 500 Design Firms" and previously named in the top 25 road and highway design firms in the nation by *Roads & Bridges* magazine. We employ a highly qualified team of professionals skilled in a variety of types of transportation projects including Roads & Highways, Transportation Planning, Traffic, Aviation, Bicycle & Pedestrian Facilities, Bridges, Lighting, Maritime, Railroad, Safety, and Signage.

In addition, NSI has been selected repeatedly by LADOTD for on-going retainer contracts over the past eighteen years. This is an excellent indication of our firm's performance ability on public contracts and NSI's reputation as a consultant of choice by public agencies.

Work under this contract will be performed in our New Orleans, LA office, located at 1340 Poydras Street, Suite 1950 with support provided by other Neel-Schaffer offices as required.

We look forward to the opportunity to be of service to Jefferson Parish.

Sincerely,

Nick J. Ferlito, Jr., P.E., PTOE
Senior Vice President / Louisiana Area Manager

enclosure

engineers | planners | surveyors | environmental scientists | landscape architects

P: 504.875.4662

1340 Poydras Street, Suite 1950
New Orleans, LA 70112

www.neel-schaffer.com



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-037 Professional Traffic Engineering Services Resolution No. 143314

B. Firm Name & Address where Project work will be performed:



1340 Poydras Street, Suite 1950
New Orleans, LA 70112

C. Name, title, and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Nick Ferlito, Jr., PTOE, PE Senior Vice President / Louisiana Area Manager
225.924.0235
Nick.ferlito@neel-schaffer.com

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Charles Adams, PE, PTOE Senior Project Manager
504.675.4662
charles.adams@neel-schaffer.com

E. Please provide the number of employees whose primary function corresponds with each category:

<u>6</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u>1</u> Geologists	<u>2</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>24</u> Civil Engineers	<u> </u> Interior Designers	<u>1</u> Project Managers
<u>2</u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>3</u> Engineer Intern	<u> </u> Environmental Engineers	
<u> </u> Professional Land Surveyors	<u>8</u> Other (Planners, Tech Support)	<u>47</u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES ☐ NO ☒

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1.

2.

H. Has this JOINT-VENTURE previously worked together? Please check: YES ☐ NO ☐

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
None		

J. Please specify the total number of support personnel that may assist in the completion of this Project:
47.

TEC Professional Services Questionnaire

- K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Nick Ferlito, Jr., PE, PTOE *Senior Vice President*

Project Assignment:

Project Principal – Mr. Ferlito meets the minimum requirement for: one principal who is a professional civil engineer who shall be registered as such in Louisiana

Name of Firm with which associated:



Years' experience with this Firm:

28 years

Education: Degree(s)/Year/Specialization:

BS / 1993 / Civil Engineering
MS / 1996 / Civil Engineering

Active registration: Year first registered/discipline:

1998 / Professional Engineer - Civil, LA 28001

Other experience and qualifications relevant to the proposed Project:

Mr. Ferlito joined Neel-Schaffer, Inc. in 1996. He is a Senior Vice President and Louisiana Region Manager. He has managed a range of traffic and transportation projects including Stage 0 Studies and support for NEPA documents purpose and need. Mr. Ferlito serves as a project manager for Stage 0/EA/EIS traffic studies, local and regional traffic impact studies, intersection studies, corridor studies, signal timing studies, warrants analysis, traffic signal inventories, signal design projects and other traffic engineering related projects for both public and private projects. Mr. Ferlito is experienced with numerous traffic engineering software packages include HCS, CORSIM, SYNCHRO, Tru-Traffic (TSPPDraft), and SIDRA.

Mr. Ferlito has also served as project manager for numerous task orders under the DOTD Traffic Engineering Retainer Contract, the Traffic Signal Design and Traffic Engineering Services Retainer Contract, Statewide, the Retainer Contract for Traffic Signal Study and Design – Statewide, and the Retainer Contract for Signal Timing Studies – Districts 61, 62 & 02, the Retainer Contract for Signal Timing Studies – Statewide, Retainer Contract for Safety Studies – Statewide, and the Retainer Contract for Traffic Engineering - Statewide. In addition Mr. Ferlito serves as the project manager for task orders for the District 02 Traffic Signal Inventory Retainer Contract, the Traffic Signal Engineer Contract, and the Traffic Engineering Retainer Contract for various traffic engineering studies. He has also manager traffic studies as a sub consultant associated with task orders for the Retainer Contracts for Stage 0 Studies Statewide.

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RELEVANT EXPERIENCE

- **City of Mandeville Safety Study, Mandeville, LA:** Project engineer for high level road safety analysis to develop low-cost safety improvements and/or traffic calming recommendations in an effort to reduce crashes and increase roadway safety along corridors within the City of Mandeville.
- **MOVEBR Traffic Signal Synchronization and Communication Phases 1 and 2, Baton Rouge, LA – Project Manager** (December 2020 – Present)
- **I-10 & I-12 College Drive Flyover Ramp Design-Build, Baton Rouge, LA:** 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.
- **US 80 Feasibility Study, Haughton, LA:** Stage 0/Traffic & Safety Study (S.P. No. 44-10504, T.O. No. H.014044.1) Project Manager for the preparation of a Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR.
- **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.
- **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.
- **MOVEBR Harding Boulevard at Interstate I-110:** Project Manager for traffic engineering for intersection improvements for Harding Boulevard at I-110 to analyze the existing and projected future No Build conditions for operational and safety issues, and developed Tier 1 design solutions that mitigate those issues.
- **MOVEBR College Drive Enhancements:** Project Manager for a traffic study that addressed pedestrian mobility and transit accommodations. The overall project plan incorporated planned LADOTD improvement projects at Interstate 10 which include a Design-Build project to modify the westbound offramp and other ramp terminal improvements implemented by the I-10 widening CMAR project.
- **MOVEBR N. Sherwood Forest Extension:** Project Manager for design report for the extension of the existing North Sherwood Forest Drive from its current northern terminus at Greenwell Springs Road to the intersection of Joor Road at Mickens Road.
- **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 will also be used to evaluate off system and connectivity alternatives within the study area.
- **LA 385 Feasibility Study, Lake Charles, LA:** Stage 0/Traffic & Safety Study (S.P. No. 44-4402, T.O. No. H.012685.1) Developed a Stage 0 Report in support of safety 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. Traffic Engineering Manager

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Charles Adams, PE, PTOE Senior Project Manager

Project Assignment:

Project Manager – Mr. Adams meets the minimum requirements for: one employee who is a professional civil engineer registered as such in Louisiana in the field or fields of expertise required for the project.

Name of Firm with which associated:



Years' experience with this Firm:

18 years (13 years with DOTD)

Education: Degree(s)/Year/Specialization:

BS / 1992 / Civil Engineering

Active registration: Year first registered/discipline:

1997 / Professional Engineer - Civil, LA 27440

Other experience and qualifications relevant to the proposed Project:

Mr. Adams joined Neel-Schaffer in 2006 and has 30 years of experience in the areas of Traffic Operations, Traffic Safety, Traffic Signal Design, Construction Sequencing, ITS and Transportation Engineering.

He manages a wide range of local and regional projects that vary in complexity from developing temporary traffic control plans for major construction projects and traffic signal timing plans to performing safety studies and traffic impact studies for both public and private clients.

Prior to joining Neel-Schaffer, Mr. Adams was employed by the Louisiana Department of Transportation and Development (LaDOTD), where he served as the State Traffic Engineer. Mr. Adams has extensive experience with managing and developing plans for traffic signals and temporary traffic controls as well as performing corridor analyses and Stage 0 Traffic Studies. In addition, Mr. Adams has a very good working knowledge of the MUTCD and LaDOTD's policies and procedures.

In addition, Mr. Adams has served as a technical member of the National Committee on Uniform Traffic Control Devices since 2002. As a member of the Temporary Traffic Control's technical committee, Mr. Adams helped develop traffic control plans used by the US Border Patrol for their interstate check points.

RELATED EXPERIENCE

- **Bucktown Harbor Redevelopment, W. Esplanade Signalization at Carrolton & Lake Avenues, Jefferson Parish, LA:** Providing traffic signal design and installation design services under its "as-needed" basis contract for the intersections of W. Esplanade Ave at Carrolton Ave and W. Esplanade Ave at Lake Ave.
- **Lafreniere Park Bike Path – Study, Jefferson Parish, LA:** Traffic study for the addition of bike lanes to Downs Boulevard within Lafreniere Park.
- **Southcity Parkway Extension, Lafayette, LA:** This project will construct a new 1.7-mile, four-lane median divided

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corridor between US 167 (Johnston Street) with Kaliste Saloom Road. The roadway and drainage design is being completed in conformance with LADOTD guidelines. Includes five multi-lane roundabouts. Mr. Adams provides the Traffic Control Plans.

- **Hurricane Ida Street Light & Sign Damage Assessment, New Orleans, LA:** Project Manager for damage assessments to streetlights and signs in one of the three zones established by the City.
- **US 71 Corridor Study, Bossier City, LA:** Senior Project Engineer. Neel-Schaffer performed a traffic study of the US 71 corridor from Barksdale Blvd to Curtis Sligo Road to evaluate existing conditions and make recommendations on median and drive-way closures regarding the use of J-turns (7/13 – 9/15).
- **Kings Highway Signal Project, Shreveport, LA:** Senior Project Engineer. Neel-Schaffer developed traffic signal plans for 16 signals along the 3.4-mile Kings Highway Corridor. All signals included backup generators, were interconnected and tied back to the City's central control center (8/12 – 1/17).
- **US 165 Pedestrian Crossing, Richwood, LA:** Senior Project Engineer. Neel-Schaffer performed a pedestrian study along US 165 between the Ollie Burns Library and the Richwood High School. In addition to observing the corridor and documenting pedestrian counts, NS also analyzed the surrounding area to determine the most reasonable crossing location and explored several types of crossings.
- **Intersection Safety Analysis, Monroe, LA:** Senior Project Engineer. Neel-Schaffer performed safety studies at several intersections throughout the City of Monroe. In addition to performing safety analysis, NSI also recommended geometric improvements and intersection control modifications.
- **French Branch Bridge, W. Pearl River Bridge, Slidell, LA:** Senior Project Engineer. Neel-Schaffer developed temporary traffic control plans and modified sequence of construction plans for the I-10/I-12/I-59 interchange reconstruction project.
- **I-10 New Orleans Master Plan: Port Access Improvements, New Orleans, LA:** Senior Project Engineer. Neel-Schaffer performed a traffic study evaluating the truck access to and from the Port of New Orleans' uptown river terminal. This study not only analyzed existing port traffic, but also developed analyses and preliminary drawings to accommodate growth at the port to 1 million TEUs.
- **Transportation Management Plan and Signal Design for the Walter O. Bigby Carriageway, Bossier City, LA:** Senior Project Engineer. Neel-Schaffer developed traffic signal plans for two intersections and created a Transportation Management Plan (TMP) for the extension of the Bossier Parkway.
- **Tarbutton Road Interchange, Ruston, LA:** Senior Project Manager. Neel-Schaffer performed all necessary analyses for the proposed I-20 Interchange with Tarbutton Road for the City of Ruston, LA.
- **LA 33 Roundabout Study, Ruston, LA:** Senior Project Manager. Neel-Schaffer provided a completed Traffic Study related to the proposed roundabouts at LA 33 and I-20 WB off-ramp and I-20 at the I-20 EB off-ramp.
- **Swan Lake Rd Transportation Master Plan, Bossier City, LA:** Senior Project Manager. Neel-Schaffer evaluated roadway options to improve the flow of traffic in and around the intersection of Swan Lake Road and Modica Lott, from I-220 to Tiburon as well as explored options to improve the existing roadway network between Swan Lake Road and Airline Drive (4/15 – 5/15).
- **Kansas Lane-Garrett Road Connector and I-20 Improvements, Ouachita Parish, LA:** Prepared the final Traffic Management Plan and all the preliminary and final signal plans for improvements to Kansas Lane and Garrett Road at I-20 (September 2020 - Present).

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Vijay Kunada, P.E., PTOE, PTP, *Senior Project Engineer*

Project Assignment:

Senior Project Engineer for Traffic Modeling - Mr. Kunada meets the minimum requirements for: a professional in charge of the project who is a professional civil engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved.

Name of Firm with which associated:



Years' experience with this Firm:

18 years

Education: Degree(s)/Year/Specialization:

BS / 1999 / Civil Engineering
MS / 2001 / Civil Engineering
MS / 2002 / Computer Science

Active registration: Year first registered/discipline:

2006 / Professional Engineer, Civil, LA 32145

Other experience and qualifications relevant to the proposed Project:

Mr. Kunada joined Neel-Schaffer, Inc. in 2006. Mr. Kunada serves as a project manager for local and regional transportation plans, travel demand models, safety studies, traffic signal timing plans, corridor analysis, traffic impact studies, traffic simulation models, 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 developing scenario managers using GISDK software, demographic forecasting, region wide safety data analysis, external travel surveys, Highway Capacity Software, Synchro, VISSIM, TransModeler, DynaSmart-P, Trip Generation, traffic studies for Environmental Impact Statement projects, intersection studies and corridor analysis. His experience with traffic operational analysis includes freeway mainlines, ramp merge/diverge areas, weaving segments and intersection operations. Mr. Kunada served as a project manager for several MPO transportation plan and travel demand model updates in the states of Louisiana and Mississippi.

RELATED EXPERIENCE


- **Comprehensive Safety Action Plan for Central Mississippi Planning and Development District, Jackson, MS:** Mr. Kunada is overseeing the development of a Comprehensive Safety Action Plan for the CMPDD, which covers Copiah, Hinds, Madison, Rankin, Simpson, Warren, and Yazoo Counties. The project includes robust public engagement, safety analysis, equity analysis, policy review, vision and goal setting, and strategy and project selection for each county within the study area.
- **Memphis (TN/MS) 2050 Regional Transportation Plan:** Project Manager. As Project Manager, Mr. Kunada worked with the Memphis Urbanized Area MPO of the mid-south region to update its Regional Transportation Plan (RTP). In

TEC Professional Services Questionnaire

addition to ensuring federal compliance and extensive public outreach, the Neel-Schaffer team developed several new items in this effort including a planning for performance tool to analyze funding levels vs. performance, complete Street concepts to promote accessibility along with mobility, detailed safety analysis and intersection concepts to address identified crash patterns, equity and resiliency analysis, and estimation of future performance of the proposed plan. The financial plan and staged improvement plan were based on extensive coordination with the MPO, the Tennessee Department of Transportation, and the Mississippi Department of Transportation.

- **MOVE 2046: Baton Rouge (LA) Metropolitan Transportation Plan:** Project Manager for the plan and state-of-the-art tour-based regional travel demand model using the latest household travel survey results and big data sources to realistically reflect the local travel patterns. A land use allocation model was also developed to forecast future growth in the region using scenario-based planning principles. Plan also included detailed safety analysis and intersection/segment concepts to address identified crash patterns.
- **MRB South GBR: LA 1 to LA 30 Connector, SPN H.013284:** As Mesoscopic Modeling Lead, Mr. Kunada is overseeing 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 was developed and approved by LADOTD and the team is currently working on finalizing the 2042 no-build model. These developed models can be used for the analysis of any proposed roadway projects within the model study area, and both LA 429 & LA 74 corridors are included in this study area.
- **2045 Mississippi Unified Long-Range Transportation Infrastructure Plan (MULTIPLAN):** Mr. Kunada was the Task Manager for developing three Metropolitan Transportation Plans (Jackson, Gulf Coast, and Hattiesburg). This planning effort continues the previous 2040 plan initiative of coordinated statewide public engagement process that is being used to identify and prioritize projects and by placing greater emphasis on all transportation options, especially transit, bicycle, pedestrian, and freight modes. Mr. Kunada is also managing the development of the statewide and regional travel demand models.
- **Clarksville (TN/KY) 2045 Metropolitan Transportation Plan:** As Project Manager, Mr. Kunada oversaw the development of a long-range transportation plan that utilized an innovative, performance-based approach to address the region's multimodal needs and meet new FAST Act requirements. He also led a stakeholder coordination process that was instrumental in setting performance targets for a planning area that covers two states and in completing an air quality conformity determination.
- **Baton Rouge (LA) 2042 Metropolitan Transportation Plan:** As Project Manager, Mr. Kunada assisted the Metropolitan Planning Organization (MPO) in conducting public and stakeholder engagement and scenario planning and provided support for travel demand modeling and federal compliance. The award-winning engagement process was the centerpiece of this project and it used state-of-the-art techniques, both high-tech and low-tech, to reach over 4,000 people – far exceeding previous MPO plans.
- **Alabama Carbon Reduction Strategy:** Mr. Kunada has overseen the development of IJIA complaint statewide carbon reduction strategy with robust MPO coordination on an accelerated schedule to meet the federal submission deadline. The plan included a statewide vision statement with goals, focus areas and strategies to achieve that vision, an inventory of existing carbon emissions and a methodology to estimate future carbon emissions.
- **Houma-Thibodaux 2045 Metropolitan Transportation Plan:** As a project manager, Mr. Kunada provided modeling and planning assistance to ensure compliance with federal regulations and best practices. Tasks included the development of regional travel demand model, regional transit ridership forecasting model using FTA's STOPS software, transportation performance scorecards, needs assessment, project prioritization and assistance with plan development.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Ellen Burke Howard, PE, PTOE <i>Traffic Project Engineer</i>
Project Assignment:
Traffic Engineer - Ms. Howard meets the minimum requirements for: a professional in charge of the project who is a professional civil engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved.
Name of Firm with which associated:
 NEEL-SCHAFER <i>Solutions you can build upon</i>
Years' experience with this Firm:
10 years
Education: Degree(s)/Year/Specialization:
BS / 2009 / Civil Engineering
Active registration: Year first registered/discipline:
1979 / Professional Engineer - Civil, LA 18087
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Howard joined Neel-Schaffer in 2014 and has 15 years of experience as a Traffic and Transportation Engineer.</p> <p>Based in the firm's Baton Rouge (LA) office, Ellen serves as a Project Engineer/Manager for traffic-related projects, primarily for the Louisiana Department of Transportation and Development.</p> <p>Ellen is a certified Professional Traffic Operations Engineer (PTOE) and has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.</p> <p>She is proficient in Traffic Engineering software such as Synchro, SIDRA, SimTraffic, VISSIM as well as LADOTD's CAT Scan safety tool. She also attended Highway Safety Manual (HSM) workshop, Highway Capacity Analysis Seminar, Roundabout Design Workshop, Traffic Signal Workshop, Synchro Training, Access Management Location and Design Course, Alternative Intersections/Interchanges Workshop, and Crash Reconstruction for Traffic Engineers Course.</p> <p>Before Neel-Schaffer, she worked as a Traffic Engineer for LADOTD District 62. She also worked as a Traffic Engineer Intern for LADOTD's Traffic Engineering Management Section in Headquarters.</p>
RELATED EXPERIENCE
<ul style="list-style-type: none"> 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 LA 49 Williams Boulevard, Kenner, LA: Project Engineer responsible for traffic and safety analyses comparing corridor alternatives to promote pedestrian mobility and safety. Responsible for creating VISSIM animations of alternatives for public information and outreach. LA 30 Improvements, Ashland to LA 44, Gonzales, LA: Project Engineer responsible for traffic analyses comparing

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alternative intersection designs along the LA 30 corridor (J-Turn and Roundabout intersections versus Traditional Intersection design). Responsible for traffic analysis portion of the high level Tier 1 interchange comparison. Responsible for creating and calibrating VISSIM modeling for the I-10 interchange area comparing interchange alternatives including Diverging Diamond, J-Turn, and Roundabout Terminals.

- **LA 19 Widening Stage 0 Study, Zachary, LA:** Project Manager responsible for traffic analyses of widening LA 19 from Sunset Boulevard through LA 64 with the implementation of access management techniques.
- **LA 73 Improvements, LA 621 to LA 73, Gonzales, LA:** Project Engineer responsible for traffic analyses comparing alternative intersection designs along the LA 30 corridor (J-Turn and Roundabout intersections versus Traditional Intersection design). Responsible for traffic analysis portion of the high level Tier 1 I-10 interchange comparison.
- **Move Ascension, Ascension Parish, LA:** Project Manager responsible for intersection studies at 7 high complaint locations within the parish of Ascension. Safety and capacity analyses were performed to determine existing issues and the level of improvement required to alleviate future problems. Solutions ranged from low cost turn lane improvements to higher cost roundabout intersection improvements.
- **MOVEBR College Drive Enhancement Project (Perkins Road to I-10), Baton Rouge, LA:** Traffic Engineer responsible for uncalibrated Vissim model for the study of the College Drive corridor. The Traffic Study is being prepared in accordance with DOTD's TEPR and includes performing all analysis in Vissim to evaluate various alternatives. In addition to corridor improvements, a tiered analysis will be performed to evaluate various interchange alternatives for I-10 at College Drive. Dynameq will also be used to evaluate off system and connectivity alternatives within the study area.
- **I-10 & I-12 College Dr. Flyover Ramp Design-Build Project, Baton Rouge, LA:** Traffic Engineer responsible for Calibrated Vissim model and traffic analysis, as well as the Interchange Modification Report (IMR). 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.
- **US 51, West University Avenue to I-55, Hammond, LA:** Project Engineer assisted with traffic analyses for corridor study along US 51 from University to I-55. Alternatives considered included alternative intersection designs J-Turn and Roundabout intersections versus traditional signalized intersections.
- **US 51 Business, I-12 to Coleman, Hammond, LA:** Project Engineer assisted with traffic analyses for corridor study along US 51 B from I-12 to Coleman Avenue. Alternatives considered included alternative intersection designs J-Turn and Roundabout intersections versus traditional signalized intersections.
- **US 80 Feasibility Study & Stage 0 / Traffic & Safety Study, Houghton, LA:** Traffic Engineer responsible for Initial and Final Data Collection, Existing Safety Analysis, and Chapter 1 of Final Report and signalized intersection analysis for the preparation of a Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR.
- **MOVEBR Harding Boulevard at Interstate I-110:** Traffic Engineer responsible for Initial and Final Data Collection and Existing Safety Analysis
- **MOVEBR N. Sherwood Forest Extension:** Traffic Engineer responsible for Initial and Final Data Collection, Existing Safety Analysis, Existing and No Build HCS Analysis, Chapter 1 and Chapter 2 of Final Report

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jonathan Duhe, PE, PTOE, RSP *Traffic Project Engineer*

Project Assignment:

Traffic Engineer

Name of Firm with which associated:



Years' experience with this Firm:

11 Years

Education: Degree(s)/Year/Specialization:

BS / 2011 / Civil Engineering

Active registration: Year first registered/discipline:

2016 / Professional Engineer, Civil LA 41047

Other experience and qualifications relevant to the proposed Project:

Mr. Duhe joined Neel-Schaffer in 2013 and has more than a decade of experience working on a wide range of traffic and transportation projects.

Jonathan has worked on many intersection/corridor signal timing studies and signal design projects and other traffic engineering related projects for both public and private projects.

He is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Mr. Duhe has completed training and has experience using LADOTD's CAT Scan safety tool.

Jonathan is a certified Professional Traffic Operations Engineer (PTOE) and a Road Safety Professional (RSP1). He also has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.

RELATED EXPERIENCE

- **City of Mandeville Safety Study, Mandeville, LA:** Project engineer for high level road safety analysis to develop low-cost safety improvements and/or traffic calming recommendations in an effort to reduce crashes and increase roadway safety along corridors within the City of Mandeville.
- **Harding Blvd at I-110 (CP Proj. No. 20-CP-HC-0016), Baton Rouge, LA:** Traffic Engineer. Performing a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I-110 Ramps in an effort to improve capacity. Assisted with data collection and Initial Data Collection Report. (09/21 - Present)
- **MOVEBR College Drive Enhancement Project (CP Proj. No. 20-CP-HC-0033), Baton Rouge, LA:** Traffic Engineer. Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.

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- **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. (06/30 - Present)
- **US 51 Business (I-12 to Coleman) Corridor Study (Contract No. 4400004064, T.O. No. H.011402.1):** Traffic Engineer. Assisted with report preparation. (02/15 – 12/17)
- **LA 431 at LA 934 Intersection Improvements (H.007855.5), Ascension Parish, LA:** Performed a traffic signal timing study for 5 intersections along LA 431 and signal design plans for the intersection of LA 431 at LA 934 in association with the proposed inter-section improvements. (06/15 – 07/16)
- **LA 1256 Adaptive Signal System, Cameron Parish, LA:** Engineer for modification of 5 traffic signals along LA 1256 from Dave Du-gas Road to I-10 in Sulphur, LA in order to implement the SynchroGreen Adaptive traffic signal system. (04/18 – 06/19)
- **US 80: Intersection @ Bellevue Rd (S.P. No. 44-10504, T.O. No. H.014044.1), Bossier Parish, LA:** Project Engineer. Oversaw In-tersection Operational Analyses (HCS), safety analysis, alternative development, and traffic report preparation. (12/19 – Present)
- **Braud Rd @ Germany Rd Temp. Signal Design, Gonzales, LA:** Project Engineer developed signal layout and timing parameters for temporary signal. Signal design included developing Clearance Calculations, utilizing Synchro for signal timing, designing in MicroStation software, developing Intersection Quantities, and creating a Traffic Signal Inventory). (03/20 – 06/20)
- **US 11, Slidell, LA Signal Timing Study (S.P. No. 44-0691, T.O. No. H.005757.5, October 2013 – March 2014) :** Engineer Intern, Assisted with Data Collection (Travel Time Runs).
- **US 61 Signal Timing Study, New Orleans, LA (S.P. No. 44-0691, T.O. No. H.005760, October 2013 – February 2014):** Engineer Intern, Assisted with Data Collection (Travel Time Runs).
- **District 62 Traffic Signal Inventory, District 62, LA (S.P. No. 44-2630, T.O. No. H.010031.5, October 2013 – May 2015):** Engineer Intern, Assisted with Data Collection (Travel Time Runs).
- **LA 44 Signal Timing Study, Gonzales, LA (S.P. No. 44-0691, T.O. No. H.005759, November 2013 – September 2015):** Engineer Intern, Assisted with Data Collection (Signal Inventory and Travel Time Runs), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Signal Timing Implementation.
- **LA 19 Signal Timing Study, Baton Rouge, LA (S.P. No. 44-0691, T.O. No. H.010699, November 2013 – September 2015):** Engineer Intern, Assisted with Data Collection (Signal Inventory and Travel Time Runs), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Signal Timing Implementation.
- **US 171 at You Winn Rd. Signal Design, Moss Bluff, LA (S.P. No. H.000870, October 2013 – September 2015):** Engineer Intern, Assisted with Signal Design (Clearance Calculations, AutoTURN, Synchro/Vistro, Microstation, Intersection Quantities, Traffic Signal Inventory)
- **LA 14 Signal Timing Study (S.P.No.44-8851, T.O. No. H.012467.5), Lake Charles, LA:** Project Engineer Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs
- **IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** This project will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Mr. Duhe has assisted with the ball bank studies for the signing and striping jobs. He also oversaw development of signal plans as a project engineer for FYA Signal Improvements.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Lonnie Territo *Senior Technician*

Project Assignment:

Data Collection and Field Inspection

Name of Firm with which associated:



Years' experience with this Firm:

11 years

Education: Degree(s)/Year/Specialization:

N/A

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

As a senior technician for Neel-Schaffer, Inc., Mr. Territo has extensive experience in traffic data collection, signal inventories, signal construction and resident project representation on signal construction projects. Mr. Territo has provided resident project representation for the Baton Rouge Computerized Signal System Synchronization Phase Va project.

Mr. Territo has completed the IMSA Traffic Signal Certification Program and is certified as an Associate Traffic Signal Technician Level I as a Work Zone Safety Specialist, a Traffic Signal Electrician Level II, and as a Traffic Signal Electrician Level III (CE_27875). He has also completed the Trafficware Signal Controller and ATMS.now course.

RELATED EXPERIENCE

- **Hurricane Laura Signal Repairs:** Providing traffic signal damage assessment and CEI / monitoring services for signal repairs in Lake Charles from Hurricane Laura.
- **Hurricane Ida Street Light & Sign Damage Assessment, New Orleans, LA:** Damage assessments to street lights and signs in one of the three zones established by the City.
- **Shoecreek Development Signal Modifications, Lafayette, LA:** Resident Project Representative. Providing inspection services for this project to modify traffic signals at Sullivan Road and Settlement Boulevard. The scope includes staking of signal pole locations, installation of signal pole foundations, installation of mast arm pole assemblies, installation of signal heads/detection systems, and signal turn on.
- **LA 328 Stage 0, Breaux Bridge, LA:** 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.
- **LA 328 Stage 0, Breaux Bridge, LA:** Traffic & Safety Study. Developed traffic and safety analysis of the LA 328 in proximity to I-10 in St. Martin Parish. Performed traffic counts and traffic controller downloads.

TEC Professional Services Questionnaire

- **Baton Rouge (LA) Computerized Signalization, Phases IV and V:** Performed traffic engineering, signal design and construction services in support of the City of Baton Rouge computerized signalization. Phase IV included 21 intersections and Phase VA included 23 intersections. Phase VB includes 24 intersections. Performed traffic counts and traffic controller downloads.
- **District 02 Traffic Signal Inventory Retainer Contract, LA 39, LA 46 and LA 47 Corridor Improvements:** Performed traffic counts and traffic controller downloads at 28 intersections.
- **District 02 Traffic Signal Inventory Retainer Contract, LA 39, LA 46 & LA 3021 Corridor Improvements:** Performed traffic counts and traffic controller downloads at 26 intersections.
- **District 02 Traffic Signal Inventory Retainer Contract, I-610, I-10, US 90 & LA 3021 Corridor Improvements:** Performed traffic counts and traffic controller downloads at 17 intersections.
- **District 02 Traffic Signal Inventory Retainer Contract, US 90, US 61 & LA 611-9 Corridor Improvements:** Performed traffic counts and traffic controller downloads at 20 intersections.
- **District 02 Traffic Signal Inventory Retainer Contract, US 61 & LA 3154 Corridor Improvements:** Performed traffic counts and traffic controller downloads at 23 intersections.
- **Retainer for Signal Timing Studies Districts 61, 62 & 02, LA 3040/LA 20/LA 57, Houma/Thibodaux:** Develop an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSIs, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads at 25 intersections.
- **Retainer for Signal Timing Studies Districts 61, 62 & 02, US 11, Slidell, LA:** Develop an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSIs, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads for 16 intersections.
- **Retainer for Signal Timing Studies Districts 61, 62 & 02, LA 44, Gonzales, LA:** Develop an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSIs, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads for 10 intersections.
- **Retainer for Signal Timing Studies Districts 61, 62 & 02, LA 19, Baker, LA:** Develop an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSIs, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads at 10 intersections.
- **Retainer for Signal Timing Studies Districts 61, 62 & 02, US 425, Vidalia/Ferriday, LA:** Develop an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSIs, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads at 11 intersections.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Santosh Andem, PE, PTOE, *Project Engineer*

Project Assignment:

Traffic Engineer

Name of Firm with which associated:



Years' experience with this Firm:

13 Years

Education: Degree(s)/Year/Specialization:

B. Tech / 2003 / Civil Engineering
M. S. / 2006 / Civil Engineering

Active registration: Year first registered/discipline:

2011 / Professional Engineer, Civil, LA 36465

Other experience and qualifications relevant to the proposed Project:

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, safety studies, corridor analysis, transportation models and other traffic engineering related projects for both public and private developments.

His responsibilities include data collection, development of conceptual designs, evaluation of improvement alternatives, field reviews, cost estimate, traffic engineering and crash data analysis, traffic signal re-timing, writing reports documenting study findings and recommendations and public involvement meetings. Mr. Andem has worked on the transportation model for Baton Rouge, Louisiana and Lake Charles, Louisiana.

He has experience in using several transportation planning/engineering softwares such as, HCS, CORSIM, VISSIM, ArcGIS, Synchro, MOVES2010a, IHSDM, Maptitude and TransCAD.

RELATED EXPERIENCE


- **Monroe Urbanized Area Metropolitan Transportation Plan (MTP) 2040, Ouachita Parish, LA:** Mr. Andem worked on the safety element of this project. Tasks completed by Mr. Andem included identifying high crash segments/intersections, crash patterns, determining contributory causes and developing report detailing findings and recommendations.
- **Lake Charles Urbanized Area Metropolitan Transportation Plan (MTP) 2040, Calcasieu Parish, LA:** Mr. Andem worked on the safety element of this project. Tasks completed by Mr. Andem included identifying high crash segments/intersections, crash patterns, determining contributory causes and developing report detailing findings and recommendations.
- **2040 Lafayette MPO Metropolitan Transportation Plan, Lafayette Consolidated Government, LA:** Mr. Andem worked

TEC Professional Services Questionnaire

on the safety element of this project. Tasks completed by Mr. Andem included identifying high crash segments/intersections, crash patterns, determining contributory causes and developing report detailing findings and recommendations.

- **Baton Rouge Metropolitan Planning Organization (MPO) Transportation Plan Update, LADOTD, EBR, WBR, Ascension, Livingston and Iberville Parishes, LA:** Mr. Andem worked on the safety element of this project. Tasks completed by Mr. Andem included identifying high crash segments/intersections, crash patterns, determining contributory causes and developing report detailing findings and recommendations.
- **US 190 Collins Boulevard Stage 1 Environmental Assessment, LA:** This project involves widening of Collins Blvd b/w US 190 and N 2nd St to four lane divided roadway. Tasks completed by Mr. Andem include preparing a VISSIM model for presentation purpose.
- **Lafayette (LA) MPO 2040 Metropolitan Transportation Plan:** Traffic data was used to develop hourly distribution factors which in turn were used to develop traffic volume by hours of the day. These traffic volumes developed by hours of the day were used in safety analysis.
- **Baton Rouge (LA) 2037 Metropolitan Transportation Plan:** Traffic data was used to develop hourly distribution factors which in turn were used to develop traffic volume by hours of the day. These traffic volumes developed by hours of the day were used in safety analysis.
- **University Avenue (LA 182) Widening, Lafayette, LA:** This project involves widening of University Avenue b/w I-10 and Pont des Mouton Road. Tasks completed by Mr. Andem include preparing a VISSIM model for presentation purpose, air quality analysis using MOVES 2010a and preparing air quality report documenting study findings.
- **I-285 & SR400 Reconstruction Project, Atlanta, Georgia:** This project is in reference to I-285 & SR400 Reconstruction Project – Phase 5 Stage 1. Phase 5 considers the reduction of I-285 lanes to 3 per direction to be able to fully reconstruct three underpasses of the Interstate. Tasks completed by Mr. Andem includes developing VISSIM models, and preparation of tech memo detailing the study findings.
- **I-24 Interchange at I-75 Interstate Access Request (IAR) Phase 2, Chattanooga, TN:** The project involves conducting an Interstate Access Request (IAR) at S Moore Road and Belvoir Avenue Interchanges. Tasks completed by Mr. Andem include developing existing, No Build and Build (Phase 1 and Phase 2) VISSIM models for AM and PM.
- **Roundabout Stage 0 Studies, Lafayette Consolidated Government, Lafayette, (SPN H.004490)** This is a task order contract to conduct Stage 0 Feasibility Studies which evaluate constructability, safety, and operations of modern roundabout at 23 intersections. Tasks completed by Mr. Andem include signal warrant analysis, crash analysis, spot speed data analysis, evaluation of existing conditions, forecasting future volumes using Lafayette Metropolitan Organization Travel Demand Model, and preparation of the report detailing the findings and recommendations.
- **Rees St (LA 328) Corridor Study (State Project No. H.013023, F.A.P. No. H.013023)** This is a feasibility Study of improving LA 328/Rees Street from Latiolais Drive to Bridge Street. Tasks completed by Mr. Andem include data collection, intersection/corridor analysis, field review observations, intersection and corridor safety analysis for No Build and existing conditions, VISSIM models for build alternatives, forecasting future volumes and active participation in public meetings.
- **I-210 Bridge Traffic Study, Calcasieu Parish, LA:** The purpose of this study is to analyze the impact of various alternatives related to the rehabilitation of I-210 Bridge over Prien Lake in Lake Charles, LA. Tasks performed by Mr. Andem includes traffic analysis for base year and construction phase alternatives, matrix comparison of construction phase alternatives and developing report based detailing study findings and recommendations.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Chuck LeBoeuf, PE. PTOE <i>Project Engineer</i>
Project Assignment:
Traffic Engineer
Name of Firm with which associated:
 NEEL-SCHAFFER <small>Solutions you can build upon</small>
Years' experience with this Firm:
10 years
Education: Degree(s)/Year/Specialization:
BS / 2012 / Civil Engineering MS / 2014 / Civil Engineering
Active registration: Year first registered/discipline:
2018 / Professional Engineer - Civil, LA 42854
Other experience and qualifications relevant to the proposed Project:
<p>Mr. LeBoeuf joined Neel-Schaffer in 2014 and has eight years of experience in the engineering field, including 18 months as a Co-Op student with the Louisiana Department of Transportation and Development.</p> <p>Mr. LeBoeuf is one of 13 certified Professional Traffic Operations (PTOE) Engineers in the firm. He provides a wide variety of transportation-related services, including travel demand modeling, GIS, crash analysis, and traffic analysis.</p> <p>He also has experience in the collection of turning movement counts for development projects and traffic observations for corridor studies.</p> <p>RELATED EXPERIENCE</p> <ul style="list-style-type: none"> Stage 0 Roundabout Study, Lafayette, LA: Mr. LeBoeuf developed scope and budget and environmental checklists, provided forecasts for traffic volumes, and conducted signal warrant analyses for this Stage 0 roundabout study. Grand Prairie Interchange Justification Report, Rayne, LA: This project consisted of determining the traffic impacts to the local roadway network with the construction of an interchange for I-10 at LA 98 in Rayne, LA as well as the construction of a water park near the proposed interchange. Mr. LeBoeuf performed traffic and safety analyses for scenarios involving the construction of the interchange and/or water park. St. Martinville (LA) Bypass Environmental Assessment: This project determined the impacts of bypassing the existing LA 31 corridor. Mr. LeBoeuf collected traffic count data at study area intersections and used that data to determine peak hour traffic volumes and volume characteristics such as peak hour factors and heavy vehicle percentages. Mr. LeBoeuf developed future peak hour volumes using the Lafayette Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which involved no improvements within the study area, and Build scenario, which incorporated two bypass alignment alternatives to the west of the existing LA 31 corridor. He performed roadway segment and intersection traffic analyses using the existing and future peak hour traffic volumes

TEC Professional Services Questionnaire

and recommended the intersection geometry for signalized and unsignalized intersections.

- **Southcity Parkway Environmental Assessment, Lafayette, LA:** This project determined the impacts of extending Southcity Parkway from Robley Drive to Kaliste Saloom Road in Lafayette, LA. Mr. LeBoeuf collected traffic count data at study area intersections and used that data to determine peak hour traffic volumes and volume characteristics such as peak hour factors and heavy vehicle percentages. Mr. LeBoeuf developed future peak hour volumes using the Lafayette, LA Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which involved no improvements within the study area, and the Build scenario, which incorporated the extension of Southcity Parkway from Robley Drive to Kaliste Saloom Road. Mr. LeBoeuf performed roadway segment and intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for signalized and unsignalized intersections.
- **Mandeville (LA) Bypass Environmental Assessment:** This project determined the impacts of constructing a roadway from LA 1088 near its interchange with I-12 to US 190 near Pelican Park in Mandeville, LA. Mr. LeBoeuf developed future peak hour volumes using the New Orleans, LA Regional Planning Commission's Travel Demand Model results for the No Build scenario, which involved no improvements within the study area, and the Build scenario, which incorporated the construction of the new roadway. Mr. LeBoeuf performed roadway segment and intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for signalized and unsignalized intersections.
- **I-49 at Verot School Road Interchange, Lafayette, LA:** This project considered the operational impacts of constructing an interchange for US 90 (Future I-49 South) at East Verot School Road in. Mr. LeBoeuf collected traffic count data at study area intersections and used that data to determine peak hour traffic volumes and volume characteristics such as peak hour factors and heavy vehicle percentages. He developed future peak hour volumes using the Lafayette, LA Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which involved no changes to roadways within the study area, and for the Build scenario, which incorporated the I-49 at Verot School Road interchange as well as a widening and realignment of East Verot School from Pinhook Road to US 90/Future I-49 South. Mr. LeBoeuf performed freeway and intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for signalized and unsignalized intersections with the construction of the I-49 at Verot School Road interchange.
- **St. Martinville (LA) Bypass Environmental Assessment:** This project determined the impacts of bypassing the existing LA 31 corridor in St. Martinville, LA. Mr. LeBoeuf collected traffic count data at study area intersections and used that data to determine peak hour traffic volumes and volume characteristics such as peak hour factors and heavy vehicle percentages. Mr. LeBoeuf developed future peak hour volumes using the Lafayette, LA Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which involved no improvements within the study area, and Build scenario, which incorporated two bypass alignment alternatives to the west of the existing LA 31 corridor. Mr. LeBoeuf performed roadway segment and intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for signalized and unsignalized intersections.
- **I-10 at Ambassador Caffery Parkway Stage 0 Study, Lafayette, LA:** This project proposed improvements to the interchange of I-10 at Ambassador Caffery Parkway in Lafayette, LA. Mr. LeBoeuf performed a Tier 1 Interchange Analysis for the existing interchange to determine interchange alternatives that would be considered in the Tier 2 Interchange Analysis. Mr. LeBoeuf performed the Tier 2 Interchange Analysis to determine the interchange alternative that would provide the best operational conditions for the interchange.

TEC Professional Services Questionnaire

- L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Traffic Signal Design and Traffic Engineering <i>Statewide - Louisiana</i> LADOTD Ryan Hoyt P.O. Box 94245 Baton Rouge, LA 70804 Phone: 225-379-1370	Neel-Schaffer was selected by the LA DOTD to provide traffic signal evaluation and installation design services throughout the State of Louisiana. Services included in the contract are: <ul style="list-style-type: none"> • Project Management • Warrant Analysis • Data Collection • Traffic Analysis / Modeling • Intersection / Corridor Analysis • Signal Design • Traffic Signal Inventory 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2028	\$5,000,000 (fee)	51%

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
US 61 Airline Dr. Signal Timing Study <i>Jefferson Parish</i> LADOTD Ryan Hoyt P.O. Box 94245 Baton Rouge, LA 70804 Phone: 225-379-1370	Neel-Schaffer was selected by the LA DOTD to provide traffic signal evaluation and retiming for US 61 Airline Dr. in Jefferson Parish. Services included in the contract are: <ul style="list-style-type: none"> • Project Management • Data Collection • Traffic Signal Modeling • Recommend Improved Signal Timing • Program Traffic Signal Controllers • Update TSI for Altered Timings 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	\$223,000 (fee)	100%

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PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
LA 49 (Williams Blvd) Feasibility Study Kenner, LA LADOTD Ms. April Renard P.O. Box 94245 Baton Rouge, LA 70804 225-379-1919	Neel-Schaffer, Inc. was issued Task Order No. H.010570 under a Safety Study Retainer Contract to develop a Stage 0 Report in support of safety improvements along the LA 49 (Williams Boulevard) corridor between Airline Drive and 32 nd Street, north of I-10. The study considered the existing five lane geometry, existing bike and pedestrian flows, and the existing vehicle traffic flows. The scope included: existing/future traffic analysis, existing/future safety analysis, development of alternative concepts/cost estimates, benefit/cost analysis, and a Stage 0 Report.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$431,000 (fee)	100%

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Signal Timing Studies District 02, 61 & 62 Southeast Louisiana Parishes LADOTD Mr. Ryan Hoyt P.O. Box 94245 Baton Rouge, LA 70804 225-379-1370	NSI is responsible for developing 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. The Initial Data Report includes the collection of traffic data including 7-day, 24-hour counts, intersection inventories, crash summaries, warrants analysis and peak hour period determinations. The Final Collection Data Report includes the AM, Noon and PM peak turning movement counts, clearance interval calculations, summary of peak hour observations and travel time studies. The Recommended Signal Timing Report includes proposed signal timing plans for each peak hour for each corridor developed using SYNCHRO. Also included in this report are new TSI's for each intersection with the recommended signal timing.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017	\$1,500,000 (fee)	100%

TEC Professional Services Questionnaire

PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Retainer Contract for Safety Studies <i>Statewide - Louisiana</i> LADOTD Adriane McRae P.O. Box 94245 Baton Rouge, LA 70804 225-379-1950	Services provided in these safety studies include the following components: <ul style="list-style-type: none"> • Project Management • Safety Study – Stage 0 • Data Collection and Analysis • Traffic Analysis • VISSIM • Environmental Data • Development of Recommendations • Scope Development for Implementation of Countermeasures • Cost/Benefit Analysis • Report 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2027	\$1,500,000 (fee)	100%

PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
City of Lake Charles Emergency Traffic Control Signs and Signals <i>Lake Charles, LA</i> City of Lake Charles Kelli Van Norman 326 Pujo St. Lake Charles, LA 70601 337-491-1490	<p>The initial work used Google Earth to develop an existing conditions data base of all signage. This step was instrumental as many signs were destroyed by the storm with no evidence remaining of their location.</p> <p>Once the existing conditions data base was created, using an online ArcGIS collector app developed by Neel-Schaffer for the iPad, field teams inventoried the existing conditions data and documented with photos all changes.</p> <p>Based on the field documentation, a bid package was prepared, and contractors used another app developed by Neel-Schaffer to provide daily documentation of the work completed.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$263,000 (fee)	100%

TEC Professional Services Questionnaire

PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
IDIQ for Stage 0 Studies <i>Statewide – Louisiana</i> LADOTD Hong Zhang P.O. Box 94245 Baton Rouge, LA 70804 225-242-4635	Neel-Schaffer, Inc. is currently holds an IDIQ contract with DOTD to conduct Stage 0 Feasibility Studies. These Stage 0 Feasibility Studies include preparing the project purpose and need as well as completing the Stage 0 Preliminary Scope and Budget Checklist; and DOTD's Environmental Checklist. In addition, NSI provides all supplemental studies required to support the purpose and need; and checklist. These supplemental studies include Traffic Studies, Safety Studies using the Highway Safety Manual (HSM), as well as providing geometric layouts as required. In addition, preliminary cost estimates are provided that consider engineering, environmental, right of way acquisition, utility relocation and construction.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$2,500,000	100%

PROJECT NO. 8

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
MOVEBR Traffic Signal Synchronization and Communications Phase 1 (Group 3) and Phase 2 (Group 4) <i>East Baton Rouge Parish</i> City of Baton Rouge Mrs. Cyndi Pennington, P.E. P.O. Box 1471 Baton Rouge, LA 70821 225-389-3246	Neel-Schaffer, Inc. was direct selected under the MOVEBR Program and tasked with developing traffic signal design plans to upgrade 10 intersections in Baton Rouge, LA. This project includes collection of peak hour traffic counts, peak hour observations, safety analysis, developing recommended signal timing plans, developing signal design plans and handicap ramp design. The signal design plans will include proposed equipment layout, vehicle and pedestrian detection systems, street lighting, signal wiring details, fiber splicing details and signal operational details.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$264,000 (fee)	100%

TEC Professional Services Questionnaire

PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Bucktown Harbor Redevelopment, W. Esplanade Signalization at Carrolton & Lake Avenues <i>Public Works No. 2020-026B-TR</i> Jefferson Parish Ms. Angela DeSoto P.O. Box 10242 Jefferson, LA 70181 Phone: 504-736-6500	Neel-Schaffer was selected by Jefferson Parish to provide traffic signal design and installation design services under its "as-needed" basis contract for the intersections of W. Esplanade Ave at Carrolton Ave and W. Esplanade Ave at Lake Ave. Services included in the contract are: <ul style="list-style-type: none"> • Project Management • Volume Redistribution • Intersection Analysis • Signal Design • Traffic Signal Inventory 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024	\$31,715 (fee)	100%

PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Lafreniere Park Bike Path - Study <i>Public Works No. 2023-044-RB</i> Jefferson Parish Ms. Angela DeSoto P.O. Box 10242 Jefferson, LA 70181 Phone: 504-736-6500	Neel-Schaffer was selected by Jefferson Parish to perform a traffic study for the addition of bike lanes to Downs Boulevard within Lafreniere Park under its "as-needed" basis contract. Services included in the contract are: <ul style="list-style-type: none"> • Project Management • Data Collection • Peak Observations • Recommend Improvements • Report of Findings 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023	\$21,250 (fee)	100%

TEC Professional Services Questionnaire

M. List all prior and / or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status / Result of Case:
Plaintiff:	Defendant:	
1.		
2.		
3.		
4.		

TEC Professional Services Questionnaire

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

Neel-Schaffer is a multi-disciplined engineering, planning and construction management firm that was founded in 1983 and today is one of the largest private, employee-owned engineering firms in the South, operating out of 37 offices across nine states.

We have a strong presence in **Louisiana**, with offices in **New Orleans, Baton Rouge, Lafayette, and Mandeville.**

Our core disciplines include:

Transportation: *Roads & Highways, Transportation Planning, Traffic, Aviation, Bicycle & Pedestrian Facilities, Bridges, Lighting, Maritime, Railroad, Safety, and Signage*

Integrated Water: *Green and Gray Design, Water Resources, Hydraulics & Hydrology, Coastal Science & Engineering, Storm Water Management, Wastewater Treatment & Collection, Water Treatment & Distribution*

Civil/Site: *Site Development, Electrical Engineering, Landscape Architecture, Recreational, Structural, Telecommunications*

Environmental Services: *Brownfield Assessment & Redevelopment, Environmental Permitting & Compliance, Natural Resources & NEPA Compliance, Phase I & II Environmental Site Assessments, Solid Waste, Underground/Aboveground Storage Tank Management*

Support Services: *Construction Engineering & Inspection, Emergency Management, Geotechnical Engineering, Surveying, Urban Planning*

Company founders Hibbett Neel and Gorman Schaffer were committed to a successful firm with a philosophy of improving the quality of life through service to the community. This belief, coupled with a desire to provide the finest engineering expertise, continues to set Neel-Schaffer apart and is the underlying strength of the company today.

The firm's corporate structure emphasizes local service, allowing our employees to maintain deeply local connections with clients in the communities we serve, while having the resources of a much larger regional firm at their fingertips. This allows us to provide a full-service approach to program development, design, planning, and construction management. Engineering News-Record has listed Neel-Schaffer among the Top 500 Design Firms in the United States annually since 1994, ranking 197 in 2022. Our corporate structure emphasizes local service, with a regional touch. It allows our engineers, geologists, biologists, technicians, and project managers to maintain deeply local connections with clients in the many communities we serve, while having the resources of a much larger regional firm at their disposal. This allows us to provide a full-service approach to program development, design, and construction management for your project.

PROFESSIONAL TRAINING AND EXPERIENCE

NSI employs a highly qualified team of professionals skilled in a variety of engineering disciplines. This multi-disciplinary approach allows for a more holistic blend of experience and services to meet every client's needs. Our firm includes some 225 registered professionals, including engineers, surveyors, biologists, and geologists. We employ coastal, civil, structural, hydraulic, geotechnical, environmental, water, wastewater, electrical, traffic, transportation, highway, and bridge engineers along with environmental scientists, biologists, geologists, hydrologists, cost estimators, urban planners, landscape architects, and public outreach professionals. We also employ administrators to manage local and wide area networks for CADD and information management systems such as GIS. Professional services can be provided for the complete scope of a project including planning, surveying, design, and construction phase services.

TEC Professional Services Questionnaire

KEY PERSONNEL

Nick Ferlito, PE, PTOE joined Neel-Schaffer, Inc. in 1996. He is a Senior Vice President and Louisiana Region Manager. He has managed a range of traffic and transportation projects including Stage 0 Studies and support for NEPA documents purpose and need. Mr. Ferlito serves as a project manager for Stage 0/EA/EIS traffic studies, local and regional traffic impact studies, intersection studies, corridor studies, signal timing studies, warrants analysis, traffic signal inventories, signal design projects and other traffic engineering related projects for both public and private projects. Mr. Ferlito is experienced with numerous traffic engineering software packages include HCS, CORSIM, SYNCHRO, Tru-Traffic (TSPPDraft), and SIDRA. Mr. Ferlito has also served as project manager for numerous task orders under the DOTD Traffic Engineering Retainer Contract, the Traffic Signal Design and Traffic Engineering Services Retainer Contract, Statewide, the Retainer Contract for Traffic Signal Study and Design – Statewide, and the Retainer Contract for Signal Timing Studies – Districts 61, 62 & 02, the Retainer Contract for Signal Timing Studies – Statewide, Retainer Contract for Safety Studies – Statewide, and the Retainer Contract for Traffic Engineering - Statewide. In addition Mr. Ferlito serves as the project manager for task orders for the District 02 Traffic Signal Inventory Retainer Contract, the Traffic Signal Engineer Contract, and the Traffic Engineering Retainer Contract for various traffic engineering studies. He has also manager traffic studies as a sub consultant associated with task orders for the Retainer Contracts for Stage 0 Studies Statewide.

Charles Adams, PE, PTOE joined Neel-Schaffer in 2006 and has 30 years of experience in the areas of Traffic Operations, Traffic Safety, Traffic Signal Design, Construction Sequencing, ITS and Transportation Engineering. He manages a wide range of local and regional projects that vary in complexity from developing temporary traffic control plans for major construction projects and traffic signal timing plans to performing safety studies and traffic impact studies for both public and private clients. Prior to joining Neel-Schaffer, Mr. Adams was employed by the Louisiana Department of Transportation and Development (LaDOTD), where he served as the State Traffic Engineer. Mr. Adams has extensive experience with managing and developing plans for traffic signals and temporary traffic controls as well as performing corridor analyses and Stage 0 Traffic Studies. In addition, Mr. Adams has a very good working knowledge of the MUTCD and LaDOTD's policies and procedures. In addition, Mr. Adams has served as a technical member of the National Committee on Uniform Traffic Control Devices since 2002. As a member of the Temporary Traffic Control's technical committee, Mr. Adams helped develop traffic control plans used by the US Border Patrol for their interstate check points.

Vijay Kunada, PE, PTOE joined Neel-Schaffer, Inc. in 2006. Mr. Kunada serves as a project manager for local and regional transportation plans, travel demand models, safety studies, traffic signal timing plans, corridor analysis, traffic impact studies, traffic simulation models, 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 developing scenario managers using GISDK software, demographic forecasting, region wide safety data analysis, external travel surveys, Highway Capacity Software, Synchro, VISSIM, TransModeler, DynaSmart-P, Trip Generation, traffic studies for Environmental Impact Statement projects, intersection studies and corridor analysis. His experience with traffic operational analysis includes freeway mainlines, ramp merge/diverge areas, weaving segments and intersection operations. Mr. Kunada served as a project manager for several MPO transportation plan and travel demand model updates in the states of Louisiana and Mississippi.

CAPACITY FOR TIMELY COMPLETION

Neel-Schaffer has a current monthly billing capacity in excess of \$5 million. As the following chart indicates, we can easily assimilate additional projects into our current workload.

LOCATION OF PRINCIPLE OFFICE

Our New Orleans LA office, located at 1340 Poydras Street, Suite 1950 will undertake the design for required improvements with support provided by other Neel-Schaffer offices as required.

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ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

Neel-Schaffer has never entered litigation with Jefferson Parish or other public sector clients.

PRIOR SUCCESSFUL COMPLETION OF PROJECTS

Neel-Schaffer also has provided traffic engineering services for retainer contracts (currently and previously) for the LADOTD since 1999. Those projects range from individual traffic signals to major urban area arterial traffic signal interconnected systems to corridor studies. In the course of these projects, Neel-Schaffer has been responsible for traffic data collection, warrant analysis, traffic engineering studies, operational analysis, signal timing analysis, VISSIM modeling, field inspections, traffic signal inventory (TSI) preparation, preliminary and final plans. Specific examples of traffic engineering retainer contracts performed by the Louisiana offices of Neel-Schaffer include the following:

Traffic Engineering Retainer Contract - Statewide (700-99-0234) for the Louisiana Department of Transportation and Development. Task orders completed on this project include:

- LADOTD Traffic Signal Design Manual
- Kenner/River Ridge Traffic Signal Design (26 intersections)
- LA 611 (Metairie Rd.) Traffic Signal Design (11 intersections)
- LA 182 Traffic Signal Design (3 intersections)
- US 61 North (Sherwood Common to LA 22) Traffic Signal Design (25 intersections)

Traffic Engineering Retainer Contract - Statewide (700-99-0332) for the Louisiana Department of Transportation and Development. Task orders completed on this project include:

- US 61 South (Marathon Oil to Williams Blvd) Traffic Signal Design (30 intersections)
- US 61 Traffic Signal Design (Airline 6 lane widening) (8 intersections)
- US 167 Interchange Justification Study
- US 171 Corridor/Signal Timing Study
- US 171 Traffic Signal Design (13 intersections)
- District 07 Signal Inventory (200+ intersections)
- District 08 Signal Inventory (300+ intersections)

Traffic Engineering Retainer Contract - Statewide (700-99-0447) for the Louisiana Department of Transportation and Development. Task orders completed on this project include:

- LA 24 (Houma, LA) Signal Study/Design (33 intersections)
- I-10 Detour Modeling
- US 165 Signal Timing Study (Monroe, LA) (18 intersections)
- Village of Tangipahoa Railroad Crossing Study
- LA 28 / US 71 Signal Study/Design (12 intersections)
- LA 1203-8 Signal Timing Study (9 intersections)

Traffic Engineering and Signal Design Retainer Contract - District 62 (700-90-0015) for the Louisiana Department of Transportation and Development. Several projects completed under this project include the following.

- Bogalusa Traffic Signal Warrants Study (13 intersections)
- District Wide Traffic Counts (38 intersections)
- Juban Road Intersection Studies (2 intersections)
- LA 16 Corridor Traffic Study
- Covington Pedestrian Crossing Study
- LA 22 / LA 21 Traffic Study

In its performance rating of Neel-Schaffer, the LADOTD District 08 Traffic Engineer stated: ***"LADOTD has been very pleased with the timely nature and quality of work regarding Neel-Schaffer, they have managed nationwide transportation and traffic studies for more than 30 years and consistently demonstrated their knowledge of***

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transportation and traffic needs on all levels."

SIZE OF FIRM

Neel-Schaffer has 600 professional and technical employees, including planners and engineers with specialization in roadway and bridge design. We have 47 staff members located in Louisiana offering the services of 23 registered Professional Engineers."

PAST PERFORMANCE

In its performance rating of Neel-Schaffer, the US Army Corps of Engineers, Vicksburg District, concluded that we "consistently produced well organized, well-engineered, professional work." The rating also noted "their engineers and managers were a pleasure to work with. Their spirit of cooperation was a major asset to the contract. They not only met the specifics of their work orders but also were anxious to meet any reasonable desires of the Government representatives. This was especially noteworthy in maintaining milestone dates when government-furnished data was not available when specified and by beating several of their submission dates. Neel-Schaffer, Inc. is highly recommended for future work..."

In addition, NSI has been selected repeatedly by LADOTD for on-going retainer contracts over the past 12 years. We think this is an excellent indication of our performance ability on public contracts and our reputation as a consultant of choice by public agencies. We are currently working under three active retainer contracts with LADOTD. We also hold a retainer contract with the City of New Orleans Department of Public Works, The Sewerage and Water Board of New Orleans, the CPRA to provide Engineering Services for Coastal Restoration Projects, the Lafayette MPO to provide Roundabout Feasibility Studies, and Ascension Parish in support of their MOVE Ascension transportation program.

To continue improving our services, Neel-Schaffer recently surveyed our clients. We received over 100 responses to our survey involving mostly public clients and were pleased to find that the vast majority are satisfied with our commitment and performance and will more than likely retain our company again. Below is a summary:

- 92% are "likely" or "very likely" to recommend Neel-Schaffer
- 94% rated Neel-Schaffer as "easy" or "very easy" to do business with
- 95% are "satisfied" or "very satisfied" that Neel-Schaffer's deliverables meet your needs
- 96% are "satisfied" or "very satisfied" with Neel-Schaffer's project management capabilities
- 91% rated the overall value you receive from Neel-Schaffer as "good" or "very good"

1. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  Print Name: Nick Ferlito, Jr., PE, PTOE

Title: Senior Vice President / Louisiana Area Manager Date: January 23, 2024