40
Stage 0 Completed in 10 years

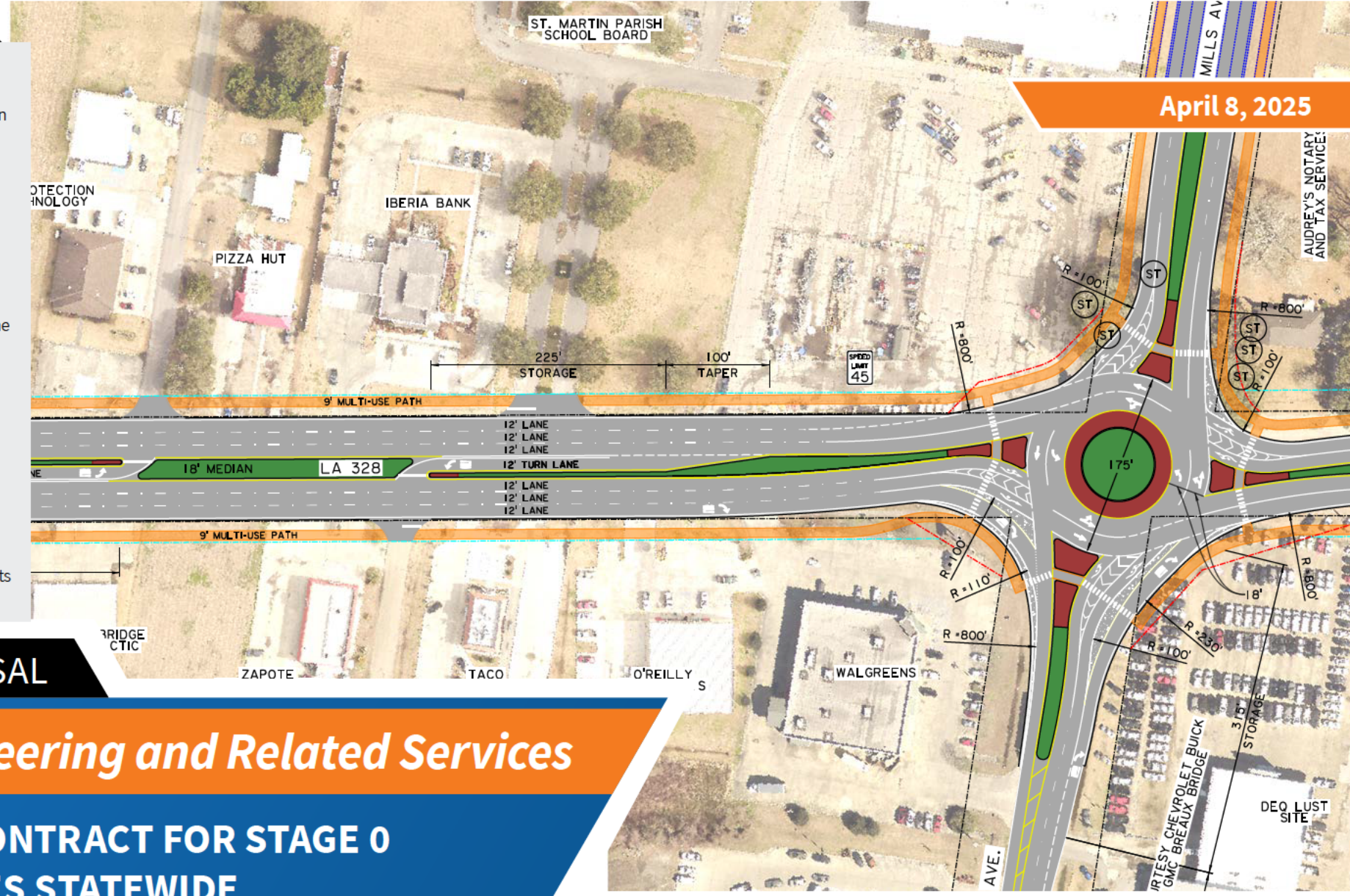
64
Parishes Served

650+
NSI has 650+ employees across the company.

50+
NSI has over 50 employees in Louisiana.

$330+
Million in Transportation Grants over 3 years.

STAGE 0 STUDY



April 8, 2025

PROPOSAL

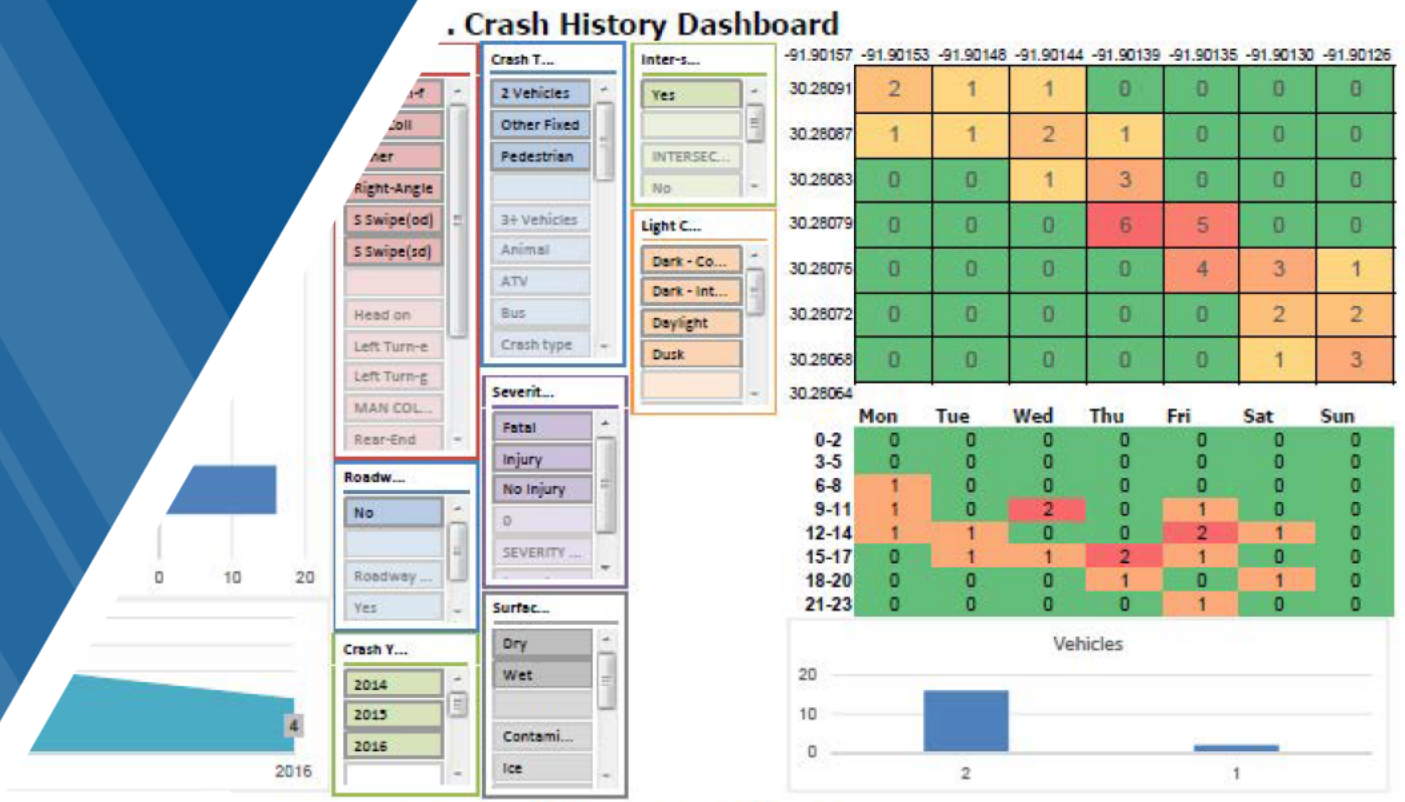
Engineering and Related Services

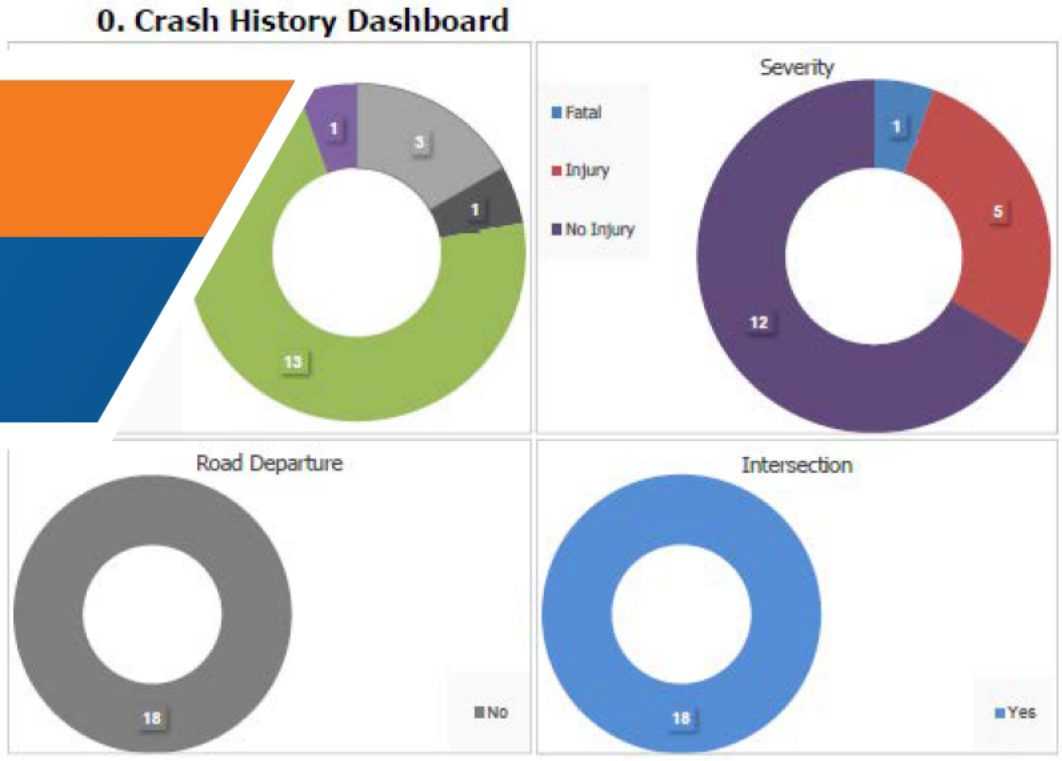
IDIQ CONTRACT FOR STAGE 0 STUDIES STATEWIDE

Contract No. 4400030714 and 4400030715

Project Manager
Dishili Young, PE, PTOE
dishili.young@neel-schaffer.com
225.924.0235

NEEL-SCHAFFER





Sections ***1–11***

Contract No. 4400030714 and 4400030715

IDIQ CONTRACT FOR STAGE 0 STUDIES STATEWIDE

We will complete traffic and safety studies in accordance with DOTD's TEPR. The image was taken from a Stage 0 study completed by NSI.

DOTD FORM: 24–102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised December 12, 2024)

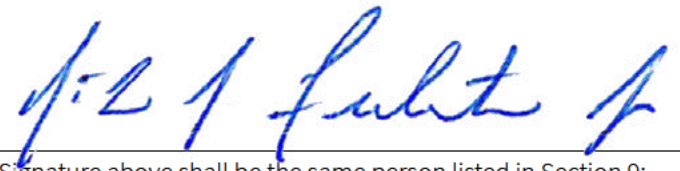
Prime consultant shall complete the DOTD Form 24–102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

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

1. **Contract Name** as shown in the advertisement	**IDIQ Contract for Stage 0 Studies Statewide**
2. **Contract Number(s)** as shown in the advertisement	**4400030714 and 4400030715**
3. **State Project Number(s)**, if shown in the advertisement	**N/A**
4. **Prime consultant name** (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	**Neel–Schaffer, Inc.**
5. **Prime consultant license number** (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is re–quired under Louisiana law)	**EF.0001372**
6. **Prime consultant mailing address**	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
7. **Prime consultant physical address** (existing or to be established, if location is used as an evaluation criteria)	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810
8. **Name, title, phone number, and email address of prime consultant's contract point of contact**	**Nick Ferlito, PE, PTOE** *Executive Vice President* 225.614.2813 nick.ferlito@neel–schaffer.com
9. **Name, title, phone number, and email address of the official with signing authority for this proposal**	**Nick Ferlito, PE, PTOE** *Executive Vice President* 225.614.2813 nick.ferlito@neel–schaffer.com

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

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



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

Date: **April 8, 2025**

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

FIRM	FIRM PERCENT
N/A	N/A

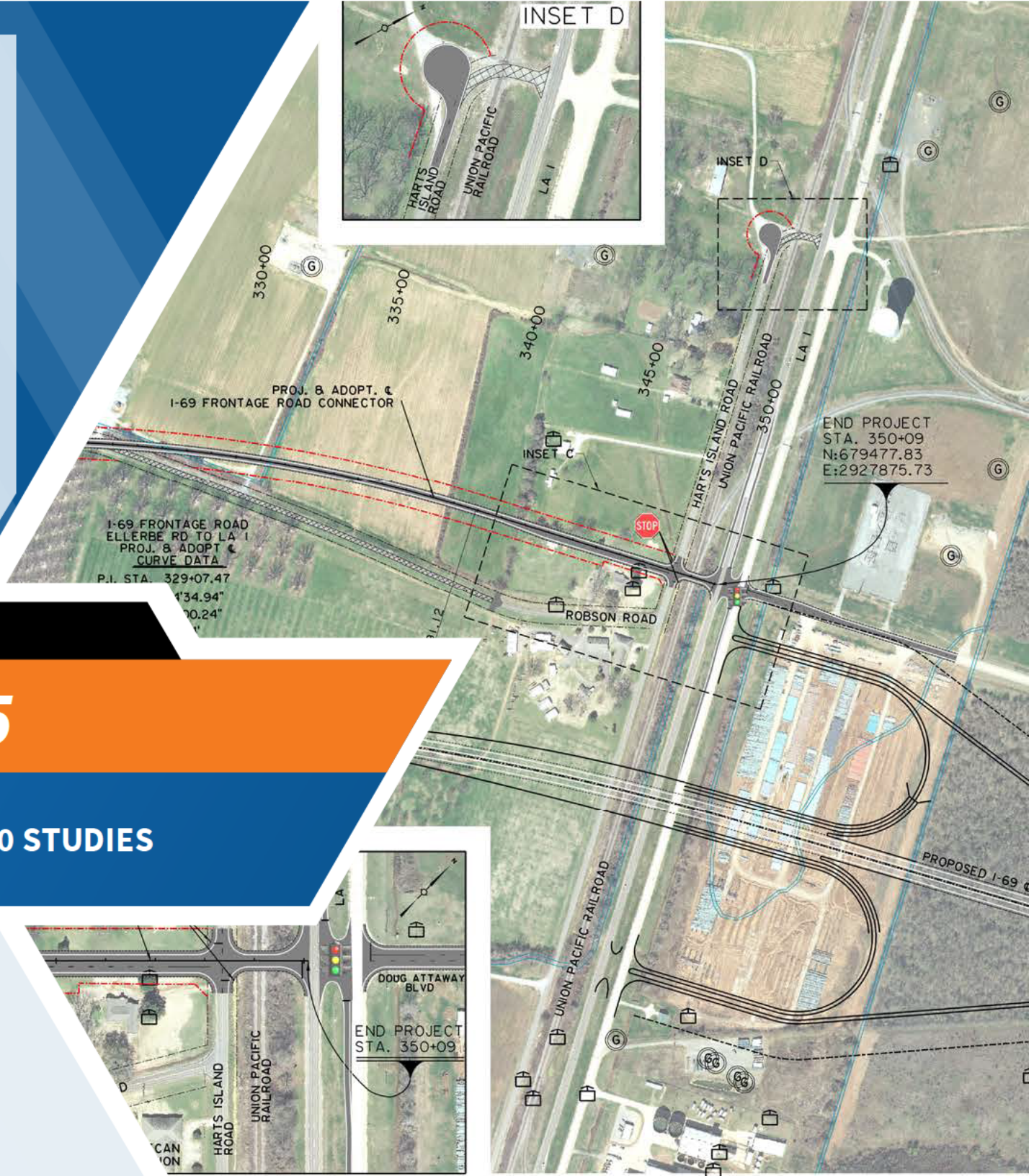
We have experience providing the services included in this contract. This image is taken from H014034 I-69 Stage 0 projects. We applied for a grant which was awarded to DOTD in the amount of $22 Million for this project in 2024. In 2023 we completed the Stage 0 for this project which included:

- Traffic and Safety
- layouts
- Determined ROW and C of A
- Determined Bridge type, size and location
- Determined major drainage crossings
- cost estimates
- checklists (Scope and Budget, Environmental and Structural site survey)
- stakeholder outreach
- Stage 0 Report

Sections ***12–15***

Contract No. 4400030714 and 4400030715

IDIQ CONTRACT FOR STAGE 0 STUDIES STATEWIDE



12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Neel-Schaffer, Inc.	Vectura Consulting Services, LLC	Local Impact Analytics	Each Discipline must total to 100%
Planning*	76%	98%	0%	2%	100%
Traffic	8%	70%	30%	0%	100%
Road	8%	100%	0%	0%	100%
Environmental	8%	100%	0%	0%	100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	100%	96%	2%	2%	

** Stage 0 Feasibility tasks and Discretionary Grant Programs*

13. FIRM SIZE:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Neel-Schaffer, Inc.	Principal	1	1
	Supervisor – Eng	12	2
	Engineer	15	21
	Engineer Intern	2	5
	Environmental Pro	1	1
	Senior Technician	1	1
	Designer	1	1
Vectura Consulting Services, LLC	Supervisor – Eng	2	2
	Engineer	3	3
	Engineer Intern	2	2
	Supervisor - Other	1	1
	Technician	1	1
	Clerical	1	1
Local Impact Analytics, LLC	Economist	1	2
	Professional	1	2
	Graphics	1	1

14. ORGANIZATIONAL CHART:

Contract No. 4400030714 and 4400030715

IDIQ CONTRACT FOR SAFETY STUDIES STATEWIDE

LEGEND

- Neel-Schaffer, Inc.
- Vectura Consulting Services, LLC
- Local Impact Analytics
- # MPR Designation
- * TEPR
- ♦ NEPA and Transportation Decision Making

DOTD — Louisiana Department of Transportation & Development

OFFICER IN CHARGE
- Nick Ferlito, Jr., PE, PTOE ♦ * 1 2 6

PROJECT MANAGER
- Dishili Young, PE, PTOE ♦ * 2 3 4

DEPUTY PROJECT MANAGER
- Kara Moree, CFM ♦ 4 8

QA / QC
- Barry Brupbacher ♦ (Environemental) 8
- Kirk Gallien, PE, PTOE * (Traffic) 6
- Gary LeBlanc, PE (Road)

Development of Purpose and Need
- Dishili Young, PE, PTOE *
- Kara Moree, CFM
- Nick Ferlito, Jr., PE, PTOE *
- Maria Reid

Traffic and Safety Analysis
- Nick Ferlito, Jr., PE, PTOE *
  Traffic Safety Lead
- Vijay Kunada, PE, PTOE, PTP 6
  Travel Demand Modeling Lead
- Ellen Howard, PE, PTOE RSP_1 * 6
- Sheelagh Brin Ferlito, PE, PTOE * 5 6 8
- Jonathan Duhe, PE, PTOE, RSP_1 * 6
- Laurence Lambert, PE, PTOE, PTP * 6
- Chuck LeBouef, PE, PTOE * 6
- Santosh Andem, PE, PTOE * 5 6
- Kristen Farrington, PE, PTOE, RSP_1 *
- Katie Odenthal, PE, PTOE * 6
- William"Case" Fulcher, PE, PTOE, $RSP2_{IB}$ 5

Road & Bridge Layouts and Cost Estimates
- Mai Nguyen, PE 3
  Task Lead
- Chance Shuckrow, PE 3
- Joshua Schexnider, PE 3
- Scott Andrepont, PE 3
- Steve Hazen, PE 7
- Brian Adams, PE, SE, CBI 7
- Jacob Thiaville, EI
- Ryan Lam, EI

Feasibility Study, Report, and Checklists
- Dishili Young, PE, PTOE *
  Civil Task Lead
- Kara Moree, CFM
  Environmental Task Lead

REPORT
- Kara Moree, CFM
- Mai Nguyen, PE
- Lance Decuir, PE, AICP, RSP
- Maria Reid

SCOPE AND BUDGET
- Mai Nguyen, PE
- Chance Shuckrow, PE
- Joshua Schexnider, PE
- Scott Andrepont, PE

ENVIRONMENTAL CHECKLIST
- Kara Moree, CFM
- Joshua Schexnider, PE
- Haley Streuding, RPA
- Maria Reid

BRIDGE PRESERVATION
STRUCTURAL SITE SURVEY
- Steve Hazen, PE
- Brian Adams, PE, SE, CBI

Discretionary Grant Programs
- Alex Pickle
- Josh Sullivan
- Madelyn Roberts
- A'Miracle Fagan
- Kathleen Tullis
- Vijay Kunada, PE, PTOE, PTP
- Dishili Young, PE, PTOE *
- Kara Moree, CFM
- Joshua Schexnider, PE

Public and Stakeholder Outreach
- Nick Ferlito, Jr., PE, PTOE *
- Dishili Young, PE, PTOE *
- Kara Moree, CFM

Support
- Stephen Perault (CAD)
- Justin LeBlanc (GIS)
- Lonny Torrito (Data Collection)

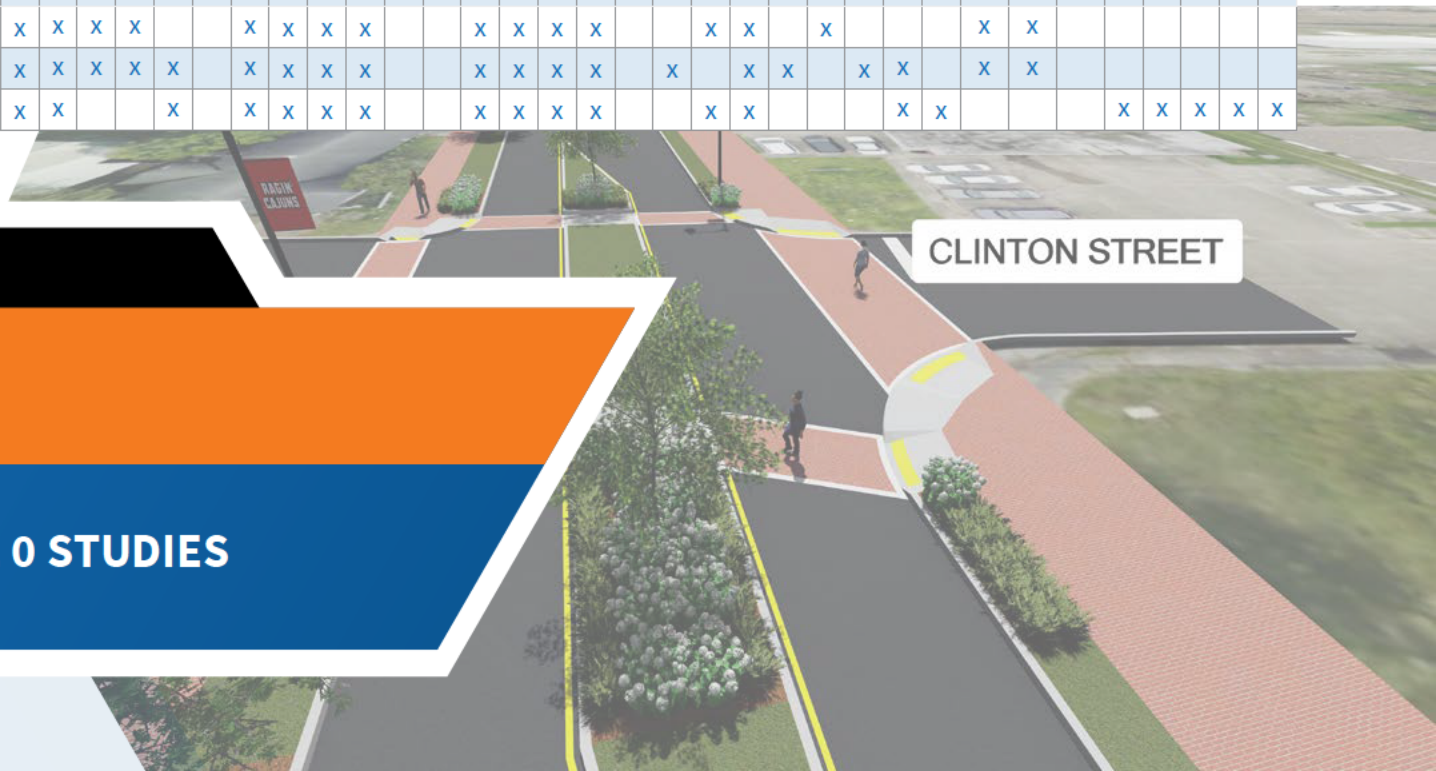
**Traffic Analysis is frequently the critical path and we have shown additional staff for redundancy and ability to efficiently advance these tasks.*

15. MINIMUM PERSONNEL REQUIREMENTS:

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR / certification and number (Ex: PE # – Civil)	State of license	License / certification expiration date
1	Nick Ferlilto, Jr., PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 - Civil	LA	9/30/2025
2	Nick Ferlilto, Jr., PE, PTOE	Neel-Schaffer, Inc.	PE No. 28001 - Civil	LA	9/30/2025
2	Dishili Young, PE, PTOE	Neel-Schaffer, Inc.	PE No. 33723 - Civil	LA	09/30/26
3	Dishili Young, PE, PTOE	Neel-Schaffer, Inc.	PE No. 33723 - Civil	LA	09/30/26
3	Mai Nguyen, PE	Neel-Schaffer, Inc.	PE No. 38189 - Civil	LA	03/31/2026
3	Chance Shuckrow, PE	Neel-Schaffer, Inc.	PE No. 42746 - Civil	LA	03/31/27
3	Josh Schexnider, PE	Neel-Schaffer, Inc.	PE No. 45891 - Civil	LA	03/31/26
3	Scott Andrepont, PE	Neel-Schaffer, Inc.	PE No. 37107 - Civil	LA	09/30/26
4	Dishili Young, PE, PTOE	Neel-Schaffer, Inc.	PE No. 33723 - Civil	LA	09/30/26
5	Santosh Andem, PE, PTOE	Neel-Schaffer, Inc.	PE No. 36465 - Civil	LA	03/31/2026
5	William"Case" Fulcher, PE, PTOE, $RSP2_{IB}$	Neel-Schaffer, Inc.	PE # 45329 - Civil	LA	9/30/2025
6	Vijay Kunada, PE, PTOE, PTP	Neel-Schaffer, Inc.	PE No. 32145 - Civil PTOE No. 2868	LA	3/31/2026
6	Kirk Gallien, PE, PTOE	Neel-Schaffer, Inc.	PE # 23428 Civil/Environmental PTOE No. 1288	LA	9/30/2025
6	Ellen Howard, PE, PTOE, RSP_1	Neel-Schaffer, Inc.	PE No. 38207 - Civil PTOE No. 3735	LA	03/31/2026
6	Jonathan Duhe, PE, PTOE, RSP_1	Neel-Schaffer, Inc.	PE # 41047 - Civil PTOE No. 4418	LA	3/31/2027
6	Chuck LeBouef, PE, PTOE	Neel-Schaffer, Inc.	PE # 42854 - Civil PTOE No. 5397	LA	3/31/2027
6	Sheelagh Brin Ferlito, PE, PTOE	Vectura Consulting Services, LLC	PE.0025383 Civil PTOE No. 932	LA	9/30/2025
6	Laurence Lambert, PE, PTOE, PTP	Vectura Consulting Services, LLC	PE.0029901 Civil PTOE No. 1303	LA	3/31/2026
6	Katie Odenthal, PE, PTOE	Neel-Schaffer, Inc.	PE No. 40920 - Civil PTOE No. 4528	LA	03/31/2027
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

7	Steve Hazen, PE	Neel-Schaffer, Inc.	PE No. 18087 - Civil	LA	03/31/2027
7	Brain Adams, PE, SE, CBI	Neel-Schaffer, Inc.	PE LA 0048729 Civil	LA	9/30/2026
8	Barry Brupbacher	Neel-Schaffer, Inc.	N/A	N/A	N/A
8	Kara Moree, CFM	Neel-Schaffer, Inc.	N/A	N/A	N/A
8	Maria Reid	Neel-Schaffer, Inc.	N/A	N/A	N/A

	NEEL-SCHAFFER																								VECTURA			LIA				
	Nick Ferlito, Jr., PE, PTOE	Dishili Young, PE, PTOE	Kara Moree, CFM	Barry Brupbacher	Ronald Kirk Gallien, PE, PTOE	Gary LeBlanc, PE	Vijay Kunada, PE, PTOE, PTP	Ellen Howard, PE, PTOE, RSP_1	Jonathan Duhe, PE, PTOE, RSP	Santosh Andem, PE, PTOE	Katie Odenthal, PE, PTOE	William Case Fulcher, PE, PTOE, RSP	Mai Nguyen, PE	Chance Shuckrow, PE	Joshua Schexnider, PE	Scott Andrepont, PE	Steve Hazen, PE	Brian Adams, PE, SE, CBI	Jacob Thiaville, EI	Ryan Lam, EI	Lance Decuir, PE, AICP, RSP	Haley Streuding, RPA	Maria Reid	Stephen Perault	Justin LeBlanc	Sheelagh Brin Ferlito, PE, PTOE	Laurence Lucius Lambert, II, PE, PTOE, PTP	Kristen Farrington, PE, PTOE, RSP_1	Alex Pickle	Joshua Sullivan	Madelyn Roberts	A'Miracle Fagan	Kathleen Tullis
Stage 0 Feasibility Studies	x	x	x	x			x	x	x	x	x	x	x	x	x	x	x		x	x	x	x		x	x							
Traffic Engineering Studies	x				x	x	x	x	x	x	x	x														x	x	x					
Safety Studies	x				x	x		x	x	x	x	x														x	x	x					
Environmental Documents or NEPA docs		x	x	x									x	x	x	x			x	x	x		x									
Cost Estimates		x	x	x			x						x	x	x	x			x	x	x			x	x							
Geometric Layouts or Mapping		x	x	x		x																										
Checklist	x	x	x	x			x	x	x	x			x	x	x	x			x	x		x				x	x					
Public and Stakeholder outreach	x	x	x	x	x		x	x	x	x			x	x	x	x		x		x	x		x	x		x	x					
Grant Funding & Support services	x	x			x		x	x	x	x			x	x	x	x			x	x				x	x				x	x	x	x	x

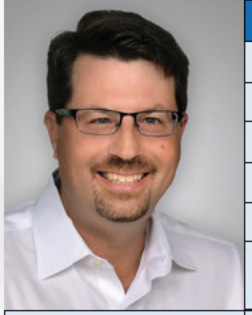


Section **16**

Contract No. 4400030714 and 4400030715

IDIQ CONTRACT FOR STAGE 0 STUDIES STATEWIDE

16. STAFF EXPERIENCE

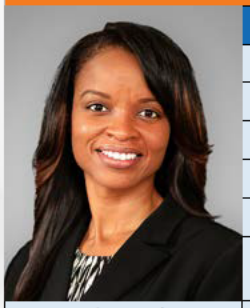


Firm employed by Neel-Schaffer, Inc.					
Name	**Nick Ferlito, Jr., PE, PTOE**			Years of relevant experience with this employer	28
Title	Executive Vice President			Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			BS / 1993 / Civil Engineering; MS / 1996 / Civil Engineering		
Active registration number / state / expiration date			PE No. 28001 / LA / 09–30–2025; PTOE No. 930		
Year registered	1998	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Principal, Development of Purpose and Need, Traffic and Safety Analysis, and Public and Stakeholder Outreach **MPR 1, 2**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/19 – 03/24	**IDIQ Contract for Stage 0 Studies, Statewide, LA**: Traffic Lead and Principal. This contract included conducting Six Stage 0 Feasibility Studies in multiple locations throughout Louisiana. Projects included existing conditions analysis, conceptual and schematic design, stakeholder and public meetings, cost estimates, and improvements to increase both vehicular and pedestrian safety. Ms. Young served as project manager. The outcomes include reductions in crashes and fatalities and improved connectivity.
11/2016 – 07/2019	**LA 385 Feasibility Study, Lake Charles, LA – Stage 0/Traffic & Safety Study (SPN 44–4402, T.O. No. H.012685.1).** Project Manager for this study. Coordinated the Traffic and Safety studies as part of the Stage 0 Study to in support of safety and capacity improvements along the LA 385 (Ryan Street) corridor between LA 3186 south of I–10 to Eddy Street north of I–10, including the LA 385 interchange with I–10. We identified near term and long–term improvements along the corridor. The study included data collection, traffic forecasting, existing/no build and build traffic and safety analysis.
02/16 - 10/17	**LA 6 Feasibility Study, Natchitoches, LA – Stage 0 / Traffic & Safety Study (S.P. 44-4402, T.O. No. H.012307.1):** Traffic Engineering Manager Prepared and coordinated a formal Stage 0, including a comprehensive safety analysis and traffic study for the purpose of analyzing existing and future conditions along the LA 6 corridor between Parish Road 542 west of I-49 to LA 3278 east of I-49, including the LA 6 interchange with I-49 to determine feasible alternatives that will preserve and enhance mobility and safety.
07/14 - 06/15	**US 165 Pedestrian Safety Study / Stage 0, Ouachita Parish (S.P. 44-1583, T.O. H.011440.1)** Traffic Engineering Manager. Developed a Stage 0 Report in support of pedestrian crossing/movement alternatives along US 165 near the Ollie Burns Public Library and the Richwood Junior High and High School in the Town of Richwood, Louisiana.
05/15 - 06/18	**LA 328 Stage 0, Breaux Bridge, LA – Traffic & Safety Study (S.P. No. 44-4909, T.O. H.011279.1)** Traffic Engineering Manager. Developed traffic and safety analysis for LA 328 in proximity to I-10 in St. Martin Parish.
02/15 - 04/18	**LA 384 Stage 0, Lake Charles, LA – Traffic & Safety Study (S.P. No. 44-4909, T.O. H.011242.1)** Traffic Engineering Manager. Developed traffic and safety analysis for LA 384 (Country Club Road) from Big Lake Road to McNeese Street. Traffic Engineering Manager
10/13 - 12/16	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1)** Traffic Engineering Manager. Provided Traffic Engineering Services necessary to conduct Stage 0 Feasibility Studies.
01/22 – 06/22	**US 167: I–10 to Willow Street Road Safety Assessment (SPN 4400010504, Task No, H.014959.1).** Project Manager for this study. Coordinating the Road Safety Assessment for US 167 from I–10 to Willow Street to conduct a safety study, perform a field evaluation and engage stakeholders to develop alternative concepts to reduce pedestrian and bicycle crashes and fatalities.
7/13 -05/15	**Safety Study, LA 49 (Williams Blvd.,) Kenner, LA:** Traffic Engineering Manager Stage 0 / Safety Study (S.P. No. 4400001583, T.O. No. H.010570) Developed a Stage 0 Report in support of safety improvements along the US 49 (Williams Boulevard) corridor between Airline Drive and 32nd Street north of I-10.

08/12 - 05/13	**LA 935, Ascension, LA – Stage 0/Safety Study (S.P. No. 44-1583, T.O. No. H.009998)** Traffic Engineering Manager. Developed a Stage 0 Report in support of safety improvements along the LA 935 (Bayou Narcisse Road).
8/20 – Present	**I–10 & I–12 College Drive Flyover Ramp Design Build, Baton Rouge, LA (H.013897)** Traffic Lead 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) and Vissim modeling for evaluating various MOT strategies. The project also includes signal modification plans at College Drive and the I–10 WB off ramp.
02/23 – Present	**US 61 at Victoria Drive Pedestrian Study (SPN44–23689, H.015227):** Principal for this study. Safety study to identify pedestrian safety countermeasures at a high need location on US 61, LA 64, and I-110 in East Baton Rouge Parish, This study identified and analyze a pedestrian crossing location with a high number of predicted pedestrian crashes and expected use consistent with planned regional multiuse paths along Airline Highway in North Baton Rouge.
07/2021 – 04/22	**District 61 Intersection Safety Studies (SPN 4400010504, Task No, H.014684.1).** Project Manager for this study. Coordinated the intersection safety studies at 10 intersections in District 61 to identify low–cost countermeasures to reduce crashes.
04/2020 – 07/2021	**District 05 Safety Investment Plan, DOTD District 05 (SPN 4400010504, Task No, H.014295.1).** Project Manager for this study. Coordinated the evaluation of crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
06/22 – 10/24	**District 03 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes at 119 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
02/2019 – 3/2020	**District 07 Safety Investment Plan, DOTD District 07 (SPN 4400010504, Task No, H.013826.1).** Project Manager for this study. Coordinated the evaluation of crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
12/2017 – 03/2019	**District 08 Safety Investment Plan, DOTD District 08 (SPN 4400010504, Task No, H.013264.1).** Project Manager for this study. Coordinated the evaluation of crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
12/2019 – 07/22	**Safety improvements at the US 80: Intersection with Bellevue Road, Route US 80, Bossier Parish, LA (SPN 4400010504, T.O. H.014044.1).** Project Manager for this study. Coordinated the Traffic and Safety studies as part of the Stage 0 Study to evaluate RCUT and full access intersection alternatives to improve the safety and mobility along US 80. The study included data collection, traffic forecasting, existing/no build and build traffic and safety analysis.
Career History	Mr. Ferlito serves as the firm's Principal in Louisiana. Mr. Ferlito is a traffic/transportation engineer who has managed a range of traffic and safety related projects. Mr. Ferlito has served as the project manager for IDIQ Safety Study Contracts 44–01583, 44–04402, 44–10504, and 44–23689 and for Stage 0 Studies, safety studies, local and regional traffic impact studies, intersection studies, corridor studies, transportation management plans, signal timing studies, warrants analysis, traffic signal inventories, signal design projects and other traffic engineering related projects for both public and private projects. Mr. Ferlito is experienced with numerous traffic engineering software packages include HCS, CORSIM, SYNCHRO, Tru–Traffic (TSPPDraft), SIDRA and has completed training on LADOTD's CAT Scan safety tool. Mr. Ferlito is a certified Professional Traffic Operations Engineer (PTOE) and has completed the NEPA and Transportation Decision Making course (2004), the Highway Safety Manual Workshop (2011) as well as LADOTD's Traffic Engineering Process and Report (TEPR) and NEPA and Transportation Decision Making training.

16. STAFF EXPERIENCE

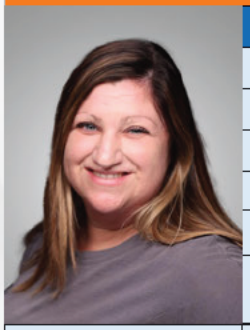


Firm employed by Neel-Schaffer, Inc.					
Name	**Dishili Young, PE, PTOE**			Years of experience with this firm/employer	6
Title	Vice President / Engineering Manager			Years of experience with other firm(s)/employer(s)	15
Degree(s) / Years / Specialization			BS / 2002 / Civil Engineering; MS / 2018 / Civil Engineering		
Active registration number / state / expiration date			PE No. 33723 / LA / 09–30–2026		
Year registered	2008	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Project Manager, Development of Purpose and Need, Feasibility Study, Report, and Checklist, Discretionary Grant Program, and Public and Stakeholder Outreach **MPR 2, 3, and 4**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	US 190 Pearl River Bridges EA H.000284: Roadway realignment, roundabout and replacement of 5 bridges which crosses the Pearl River. Assisted with Line and Grade, Cost estimates, Environmental Document, public hearing and stakeholder/agency meetings.
06/14 - 12/16	**S.P. No. H.010572.1: Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44) in Ascension Parish for LADOTD:** Ms. Young served as Project Manager and Project Engineer. She assisted in the completion of conceptual horizontal alignments for approximately 20 interchanges during the Tier 1 interchange analysis. Interchanges included DDI, Roundabouts, partial and full cloverleaf's, SPUI, directional interchanges and diamond interchanges. These interchanges were evaluated utilizing a matrix comparison of ROW, Cost, Traffic Operations, Environmental and Social impacts. She has also assisted with design criteria, cost estimates and the Checklist for Short term and long term improvements. Ms. Young also assisted with the geometric layout (horizontal and vertical alignments) for the three recommended interchanges for Tier 2 which include the DDI, double roundabout and conventional diamond interchange. Ms. Young assisted with the Stage 0 report, interchange Tier 1 analysis report and public outreach activities (including 15 stakeholder meetings and 2 public meetings) which were completed in accordance with NEPA.
03/13 - 03/14	**S.P. No. H.010571.1: Stage 0 Feasibility Study and Environmental Inventory for LA 70 Bypass in Assumption Parish for LA DOTD:** This project considered the feasibility of constructing an emergency route as well as a permanent bypass for LA 70. This study also considered the relocation of utilities, analysis of the existing detour routes for conformance with design criteria. Ms. Young served as the Project Manager and Engineering Professional responsible for performing the Feasibility Study which included the determination of design criteria, establishment of typical sections, horizontal roadway alignment design utilizing InRoads and MicroStation, calculation of fill and cut quantities, construction, ROW, and utility relocation cost calculations, production of plan sheets and project coordination and management. Duties also included assisting in the organization and conduction of public meetings and stakeholders meetings and assisting with the completion of the Stage 0 reports.
11/12 - 08/16	**S.P. No. H.009837.1: Stage 0 Feasibility Study and Environmental Inventory for Mobility Improvements for LA 64 (LA 1019 to LA 16) in Livingston Parish for LA DOTD:** This project determined the feasibility of extending LA 64 between the existing four lane section at the Amite River to LA 16. Ms. Young is served as the Project Manager and Engineering Professional responsible for performing the Feasibility Study including the determination of design criteria, establishment of typical sections, horizontal roadway alignment design, calculation of fill and cut quantities, construction, ROW, and utility relocation cost calculations, and project coordination and management.
03/13 - 06/16	**S.P. No. H.010211.1: Stage 0 Feasibility Study and Environmental Inventory for I-110 NB Ramp at Capitol Access Rd:** This project determined the feasibility of improving the mobility of the I-110 NB Ramp at Capitol Access Rd. by either eliminating the northbound on ramp or improving the existing infrastructure by lengthening the existing weaving section. Ms. Young served as the Project Manager and Engineering Professional responsible for performing the Feasibility Study.
06/13 – Present	**Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA**: Project Manager. Road alignment, roundabout layout, and design, preparing cost estimates. Includes 23 Stage 0 Studies.
02/15 - 05/24	**S.P. No. 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 the Project Manager and Engineering Professional responsible for performing the Feasibility Study. Ms. Young assisted with the Stage 0 Report, checklists, construction cost estimate layouts and more. All activities for this project were conducted in accordance with NEPA.

01/20 - Present	**I–20: LA 544 Overpass Replacement, Lincoln Parish, LA: l**ead for road design preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond multilane roundabout interchange on a 3% longitudinal grade. The new bridge over I–20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.
04/18 - Present	**I–49 South at Verot School Road:** This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I–49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabout.
09/15 - Present	**S.P. No. H.011280.1: Stage 0 Feasibility Study LA 10 (Improvements in Bogalusa):** Ms. Young served as Project Manager and Engineering Professional responsible for performing the Feasibility Study, completing the stage 0 report, checklist, layouts, cost estimates and stakeholder outreach. She assisted with stakeholders meetings which were conducted in conformance with NEPA
05/15 - Present	**S.P. No. H.011279.1: Stage 0 Feasibility Study LA 328 (Latiolais Drive to Julie Street):** Ms. Young is currently serving as the Project Manager and Engineering Professional responsible for performing the Feasibility Study which includes the determination of design criteria, establishment of typical sections and project completing the stage 0 report, checklist, layouts, cost estimates and stakeholder outreach. This project is being conducted in conformance with NEPA.
12/14 - 08/17	**S.P. No. H.005734: Stage 1 Environmental Assessment for LA 447 Corridor Study:** While serving as the Civil Project Manager for this project, Ms. Young has assisted with creating the Project Work Plan, analysis of existing roadway data available, listing of data needs, kick-off meeting preparation , developing the design criteria and evaluation of the Stage 0's horizontal alignment. She has assisted with the with the creation of a horizontal alignment to flatten several sharp curves located along the southern portion of LA 447 to bring the roadway up to current design guidelines and the posted roadway speed. She has provided technical guidance for the creation of multi and single lane roundabouts and R-Cut corridor improvements as well as the partial cloverleaf interchange which must tie to roundabouts which are under construction. She has also assisted with the technical portion of the draft SOV and with setting the buffer areas for the logical termini. She has assisted with portions of what will become the environmental document.
08/08 - 03/11	**S.P. No. 700-36-0142: Environmental Assessment (EA) Update and Bridge Optimization Study for Almontaser Ave. Bridge Replacement over the Inner Harbor Navigation Canal for LA DOTD:** Ms. Young served as the Engineer for this Bridge Optimization Study which was an update to a Feasibility Study and EA that was previously completed in 2004 before Hurricane Katrina. Ms. Young assisted with the Line and Grade Study by assisting in the establishment of the design criteria, typical section, developed the horizontal and vertical geometry, completed the drainage design and assisted with select sections of the environmental document.
12/15 - 08/17	**S.P. No. H.0055158.2: I-49 South (Raceland to Westbank Expressway), Louisiana Department of Transportation and Development (LaDOTD), Jefferson Lafourche, and St. Charles Parishes, Louisiana:** This project involved the completion of a Line and Grade Study as well as a Supplemental Environmental Impact Statement (SEIS) for US 90 with LA 1/LA 308 Interchange in Lafourche Parish and extending to the elevated Westbank Expressway in Jefferson Parish. Similarly, to I-49 South (Ricohoc to Berwick), this project upgrades the existing US 90 corridor to a control of access highway. This project includes a high-level interchange decision matrix for each proposed interchange. Ms. Young served as the civil project manager and assisted with conducting the kick-off meeting, project coordination, progress meetings, scope revisions and man-hour estimating. Currently she is assisting with the Tier 1 interchange analysis for 13 interchange locations.
08/08 - 10/19	**S.P. No. 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 for this project. She provided LiDAR data and assisted in the creation/revisions to final recommended vertical and horizontal alignments, coordination, and plan preparation.
Career History	Dishili offers approximately 20 years of progressive experience which includes program management, engineering management, project management and engineering design. Her experience includes the management and design of interstate design–build projects, interstate design–bid–build projects, including roundabout interchanges, road design projects, including multilane roundabouts, drainage projects, H&H Studies, environmental studies and feasibility studies. Her experience includes the management of complex Stage 0 studies, completion of all tasks included in Stage 0, public and stakeholder outreach, concept layouts, cost estimating, grant applications for transportation projects and evaluation of the feasibility of transportation projects. Her Continuing Education is documented as follows: NEPA and Transportation Decision Making, Transportation Safety Systems (Highway Safety Manual Graduate Course), DOTD's Traffic Engineering Process and Report (TEPR) training

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.				
Name	**Kara Moree, CFM**		Years of experience with this firm/employer	<1
Title	Vice President / Engineering Manager		Years of experience with other firm(s)/employer(s)	20
Degree(s) / Years / Specialization		BS / 2005 / Resource Biology & Biodiversity		
Active registration number / state / expiration date		ASFPM US-06-02202 / LA /		
Year registered	2006	Discipline		
Contract role(s) / brief description of responsibilities		Deputy Project Manager, Development of Purpose and Need, Report and Checklist, Discretionary Grant Program, and Public and Stakeholder Outreach **MPR 8**		

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).
01/22 - Present	**S.P. H.013284: Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA:** Deputy Project Manager and NEPA Specialist – Maria served as Deputy Project Manager and Environmental/NEPA Specialist on the Enhanced Planning Study and Environmental Assessment for a proposed new bridge crossing of the Mississippi River for the purposes of providing transportation system redundancy and additional capacity across the Mississippi River and alleviating traffic congestion in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new "south" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 with a connection to Interstate 10 on the west side of the Mississippi River and to LA 30 (and widening of, LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls. This project required an elevated level of public involvement which included quarterly updates to the Capital Area Road and Bridge District (CARB-D). CARB-D is a commission made up of Parish Presidents from Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge parishes, the Secretary of LA DOTD, and a commission chairman appointed by the Governor.
09/18 - 08/20	**LA 3040 Stage 0 Feasibility Study, LADOTD, Houma, LA:** Project Manager responsible for coordination with client, scoping, invoicing, subconsultant coordination related to a Stage 0 Feasibility Study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA and evaluate reasonable alternatives to address any deficiencies discovered. Ms. Moree was also responsible for ensuring compliance with NEPA guidelines and for creating the collision diagram and all public involvement activities for the project, which included stakeholder coordination with the local regional planning commission, LADOTD District, and State Police
12/19 - 08/20	**LA 429 at I-10 Connector (LA 30/LA 73) Stage 0 Feasibility Study, Gonzales, LA, LADOTD:** Project Manager. Ms. Moree oversaw the safety analysis of both the corridors and the interchanges and coordinated with the traffic engineering consultant in the development of the alternatives, preparation of the schematic design of alternatives, preparation of cost analysis for five alternatives, and evaluation environmental and right-of-way impacts.
11/12 – 10/16	**S.P. No. H.009837.1: Stage 0 Feasibility Study and Environmental Inventory for Mobility Improvements for LA 64 (LA 1019 to LA 16) in Livingston Parish for LA DOTD:** Ms. Moree served as the Environmental Professional responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations. Duties also include identifying wetlands and preparing mitigation cost tables as well as creating Environmental Avoidance mapping through the use of GIS. She also performed some Project Manager responsibilities such as coordinating meetings and coordination of the Project Team.
03/14 - 12/16	**Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44), Ascension Parish, LADOTD, SP No. H.010572.1:** Environmental Project Manager responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations for evaluating alternatives to improve the mobility of the corridor. Additional duties included identifying wetlands and preparing mitigation cost tables, stakeholder/public meetings, as well as creating Environmental Avoidance mapping using GIS.

05/15 - 01/17	**Stage 0 Feasibility Study LA 328 (Latiolais Drive to Julie Street), LADOTD SP No. H.011279.1:** Environmental Project Manager responsible for responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations.
02/15 - 01/17	**Stage 0 Feasibility Study and Environmental Inventory for LA 384 (Big Lake Road to McNeese Street), Calcasieu Parish, LADOTD, SP No.H.011242.1:** Ms. Moree served as the Environmental Project Manager responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations for evaluating alternatives to improve the mobility of the corridor. Additional duties include identifying wetlands, stakeholder/public meetings, and preparing mitigation cost tables as well as creating Environmental Avoidance mapping using GIS.
09/10 - 03/11	**I-12 Corridor Study (Stage 0 Feasibility and Environmental Inventory), LADOTD, SP No. 700-90-0019:** Environmental Professional for a 70-mile interstate widening study. Project responsibilities included all aspects of the Environmental Inventory process such as identifying any potential "show stopping" environmental constraints, identifying wetland sand avoidance, GIS mapping, stakeholder/public meetings, and ensuring compliance with NEPA.
09/15 - 01/17	**Stage 0 Feasibility Study LA 10 (Improvements in Bogalusa), LADOTD SP No. H.011280.1:** Environmental Project Manager responsible for responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations.
03/13 –03/16	**S.P. No. H.010211.1: Stage 0 Feasibility Study and Environmental Inventory for I-110 NB Ramp at Capitol Access Rd:** This project determined the feasibility of improving the mobility of the I-110 NB Ramp at Capitol Access Rd. by either eliminating the northbound on ramp or improving the existing infrastructure by lengthening the existing weaving section. Ms. Moree served as the Environmental Professional responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations. Duties also include identifying wetlands and preparing mitigation cost tables as well as creating Environmental Avoidance mapping through the use of GIS. She also performed some Project Manager responsibilities such as coordinating meetings and coordination of the Project Team.
03/13 – 03/14	**S.P. No. H.010571.1: Stage 0 Feasibility Study and Environmental Inventory for LA 70 Bypass in Assumption Parish for LA DOTD:** Ms. Moree is currently serving as the Environmental Professional responsible for performing the Environmental Inventory to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations for an emergency bypass route as well as a permanent bypass alternative for LA 70 in response to the current Sinkhole situation of the area. Duties also include identifying wetlands and preparing mitigation cost tables as well as creating Environmental Avoidance mapping through the use of GIS. She will also be performing some Project Manager responsibilities such as coordinating meetings and coordination of the Project Team.
03/08 - 10/09	**S.P. No. 700-03-0001: Stage 0 Feasibility Study and Environmental Inventory for a New Interchange at I-10 and LA Hwy 74 for LA DOTD:** (March 2008 – October 2009) Ms. Moree served as the Environmental Professional during her employment with Volkert, Inc. for this study to add an additional interchange in Ascension Parish. Project responsibilities included identifying any potential "show stopping" environmental constraints, identifying wetlands and avoidance, GIS mapping, and ensuring compliance with NEPA.
03/08 - 10/09	**S.P. No. H.009837.1: Stage 0 Feasibility Study and Environmental Inventory for Additional Capacity of I-10 from Siegen Lane to Sorrento for LA DOTD:** Ms. Moree served as the Environmental Professional during her employment with Volkert, Inc. for this 19 mile interstate widening study. Responsibilities included identifying any potential "show stopping" environmental constraints, identifying wetlands and avoidance, GIS mapping, and ensuring compliance with NEPA.
Career History	Ms. Moree is a Certified Floodplain Manager with over 18 years of environmental, planning and project management experience, with concentration on NEPA compliance, environmental documentation, permitting, storm water, roadway and drainage projects. Ms. Moree has a wide range of experience in roadway projects, including direct responsibility for environmental inventory, feasibility studies, NEPA documentation, community and stakeholder engagement, wetland delineations, and permitting. Through previous employment with federal and local governments as well as with the private sector, she has provided technical assistance to various federal, state, and local agencies regarding environmental laws, regulations and executive orders and has done extensive public outreach activities, especially during her employment with the Environmental and Historic Preservation Group of the Federal Emergency Management Agency (FEMA).

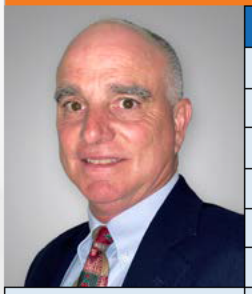
16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.			
Name	**Barry Brupbacher**	Years of experience with this firm/employer	19
Title	Vice President / Engineering Manager	Years of experience with other firm(s)/employer(s)	22
Degree(s) / Years / Specialization	BA / 1972 / Political Science; MS / 1990 / Urban Studies from the College of Urban and Public Affairs		
Active registration number / state / expiration date			
Year registered	Discipline		
Contract role(s) / brief description of responsibilities	QA/QC, **MPR 8**		

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).
09/20 – Present	**H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA:** This project considers multiple alternatives along a 5.5-mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more. Environmental Lead.
02/20 - Present	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA:** This project will provide a connection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and extending existing roadway. Environmental Lead.
02/20 - Present	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA:** This project when combined with the proposed I-69 will provide a connection between Port of Caddo-Bossier and the proposed future I-69. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines. Environmental Lead
04/7/20 - Present	**H.014514.1: Earhart Expressway Masterplan Stage 0:** Environmental Lead
12/14 - Present	**Stage 0 Feasibility Studies of Modern Roundabouts, Lafayette MPO area, (Project No. H04490)**, Stage 0 studies supporting potential roundabouts at 23 intersections. Performed QA/QC of Stage 0 Reports
08/2016 - 01/2017	**LA 433 at Carroll Road, Stage 0 Study** considering feasibility of modern roundabout (St. Tammany P.O. S109476) Project Manager
7/15 - Present	**Mandeville Bypass, St. Tammany Parish.** The Mandeville Bypass will provide a new 3-mile median section roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. The project includes roundabout geometry intersections at LA 1088 and US 190. It will also provide multiple entrances to Pelican Park, a major recreation facility serving west St. Tammany Parish. Mr. Brupbacher led the environmental planning for the project which includes analysis of potential wetlands and potential impacts to a T& E species, the Red Cockaded Woodpecker as well as the public involvement, developing traffic forecasts, providing traffic analysis and providing design services for concept routes.
09/13 - 06/14	**US 190 @ Maple Ridge Way (RPC Task No. MC-9.14)** Stage 0 Report providing guidance for implementation of superstreet geometry extending along US 190 from Harrison Avenue to Maple Ridge Way. Project Manager
Stage 0 Study 04/10 -12/10 EA 05/11 - 02/13	**Stage 0 Feasibility Study and Environmental Assessment (EA) Route LA 182 (North University Avenue) Widening, I-10 to West Pont des Mouton Road, Lafayette Parish (Lafayette Consolidated Government (LCG) Contract No. 500-10-034, State Project No. H.009335)** Project supports the widening of LA 182 to four lane capacity. The Study / EA included Public Involvement, traffic studies, environmental screening and alternative concepts for widening the 2-mile route. Multiple roundabouts are provided. Project Manager
05/07 - 10/09	**St. Martinville Bypass, Route LA 31, St. Martin Parish, LA (State Project No. 700-50-0112)** Louisiana Department of Transportation and Development (LADOTD) - Project includes traffic forecasts and analysis and environmental studies supporting the construction of a new 7.2 mile Suburban Arterial Roadway providing a west Bypass of St. Martinville. Project Manager

04/10 - 12/10	**Route LA 3234 Stage 0 Feasibility Study, Tangipahoa Parish, LA (State Project No. H.008915.1)** The project will improve east-west connectivity through Hammond by extending LA 3234 from its current terminus at LA 1065 to Hammond Northshore Regional Airport. Project Planner responsible for the development of the Stage 0 Reports
11/15 - Present	**Southcity Parkway Extension, Phase 1, Robley Drive To Kaliste Saloom Road, Lafayette Parish, Lafayette Consolidated Government (LCG).** Environmental Assessment (EA) developed in conformance with USCG guidance, Public Involvement, engineering line and grade and technical environmental studies supporting the design and construction of Southcity Parkway extension from current terminus west of the Vermillion River to Kaliste Saloom Road including a crossing of the Vermillion River. Project Manager
07/15 - Present	**US 90 Pearl River Bridges Environmental Assessment, St. Tammany Parish, LA and Hancock County, MS, State Project NO. H.000284 & NO. H.000286**, Work included the preparation of an Environmental Assessment, as well as line and grade engineering for multiple fixed and movable span bridge alternatives. Work included Public Involvement, navigation studies and supporting environmental studies involving the replacement of five Historic Bridges crossing the Pearl River waterways. Project Manger
2000-2003	**I-49 South, Lafayette Regional Airport to LA 88, Lafayette, St. Martin and Iberia Parishes, LA.** Louisiana Department of Transportation & Development (FHWA-LA-EIS-03-01-D) - Project included Public Involvement, the development of traffic studies, line and grade studies and an EIS with ROD. The proposed action by the LADOTD involves converting approximately 12 miles of U.S. 90 in the project area to a full “Control of Access” highway meeting current interstate standards. Project Manager
Career History	Mr. Brupbacher has over 40 years of diversified planning experience performing in both public and private sector consulting. His public sector experience includes service with South Central Planning and Development Commission (Executive Director) and the City of Slidell (Planning Director). His broad range of experience includes project development, public involvement, and the preparation of NEPA documents for roadway, freight rail and transit projects, as well as passenger rail planning, transportation planning, roadway alignment studies, zoning and land use planning. He completed NHI course No. 142005, NEPA and Transportation Decisionmaking and NTI Course, Managing the Environmental Process. His project experience includes project development through Stage 0 and Stage 1 Environmental services (NEPA documents)

16. STAFF EXPERIENCE

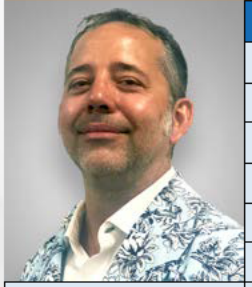


Firm employed by Neel–Schaffer, Inc.					
Name	**Ronald Kirk Gallien, PE, PTOE**			Years of experience with this firm/employer	2
Title	Senior Project Manager			Years of experience with other firm(s)/employer(s)	36
Degree(s) / Years / Specialization			BS / 1984 / Civil Engineering		
Active registration number / state / expiration date			PE No. 23428 / LA / 09–30–2025; PTOE No. 1288		
Year registered	1989	Discipline	Civil		
Contract role(s) / brief description of responsibilities			QA/QC, **MPR 6**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/20 – Present	**I–20 at LA 544 Overpass Replacement, Lincoln Parish, LA**: This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes new bridge with sidewalk over I–20. The entire project limits are complete street compliant which means it provides facilities for all users. Mr. Gallien provided TMP review.
08/20 – Present	**I–10 & I–12 College Drive Flyover Ramp Design Build, Baton Rouge, LA**: Project Engineer for Interchange Modification Report, Transportation Management Plan and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with DOTD's TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) for evaluating various MOT strategies. The project also includes signal design.
6/22 – Present	**Jimmie Davis Bridge (LA 511) (HBI) Design Build**: This project will replace the existing five–lane roadway with a four–lane median divided roadway with turn lanes. It will provide a new bridge crossing for LA 511 at the Red River and will also modify the existing bridge crossing for use as a linear park and provide a multiuse path. NSI is providing the traffic analysis, signal design, striping and signing plans, road design support and Bridge H&H and Scour for the river crossing. Traffic and TMP support.
04/20 – 07/21	**District 05 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements. There were initially 81 locations with 53 additional locations added as a supplement.
1994 – 2007	**DOTD District 05 – District Traffic Operations Engineer** • Performed numerous traffic studies and composed numerous traffic engineering reports regarding traffic control such as traffic signal installations and modifications, signing, pavement markings, and establishing speed limits. • Annually investigated and analyzed existing traffic control devices at locations identified as having a high potential for safety improvement and recommended and implemented modifications to improve traffic flow and safety at these locations. • Coordinated and supervised upgrading all traffic signals (approximately 275) in District 05 from electromechanical to electronic controller operations. • Worked closely with private developers and public entities regarding access to proposed developments to ensure conformance with DOTD standards • Completed construction lay–out of pavement markings on numerous highway construction projects, including centerline passing/no passing zone markings on overlay projects. • Served as the legal expert in traffic engineering for District 05, and responded to interrogatories and requests for production, gave depositions, and testified in court

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

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.					
Name	**Gary LeBlanc, PE**			Years of relevant experience with this employer	1
Title	Project Engineer			Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization			BS / 1994 / Civil Engineering		
Active registration number / state / expiration date			PE No. 28220 / LA / 09-30-2025		
Year registered	1999	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road QA/QC		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; QA/QC for roadway design and geometrics. This project includes the design for a round-about with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; QA/QC for roadway design and geometrics. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; QA/QC for roadway design and geometrics. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.
07/23 – Present	**US 90 Roundabout at LA 101**: Providing QA/QC for improvements to the safety of the intersection by upgrading a two-way stop intersection into a single lane roundabout. The roundabout is being designed using LADOTD and FHWA guidelines. This is a single lane roundabout that will comfortably accommodate WB-67 since this intersection is a detour route for I-10. This project includes pavement signing and striping, drainage improvements, access management, construction sequencing, and cost estimates for bidding.
10/22 – 10/23	**East-West Connector (Winfield Road Congestion Relief)**: NSI Performed a Traffic Study and Line and Grade for a new east-west corridor through Bossier Parish. Gary completed the Traffic Study for the project and all intersection analyses for the four major intersections. Includes multilane Roundabouts.
	Winfield Road Extension Project: Project will provide new four-mile connector roadway between LA 1 at Belleview. NSI will provide road design services. Gary will provide QA/QC.
12/23 – Present	**LA 384 Feasibility Study**: QA/QC Capacity analysis and supporting documents
07/22 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA**: NSI is completing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP. Project includes line and grade tasks (establish design criteria, develop typical sections, horizontal geometry, vertical geometry).
04/22 – Present	**I-49 South at Verot School Road**: Provided QA/QC for this project 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. NSI is serving as the subconsultant for this project and designing the mainline and frontage roadways and associated a drainage. Project includes preliminary and final plans as well as signals.

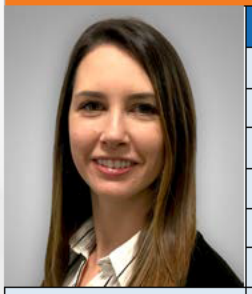
16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Vijay Kunada, PE, PTOE, PTP**			Years of relevant experience with this employer	19
Title	Senior Vice President			Years of relevant experience with other 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 No. 32145 / LA / 03-31-2026; PTOE No. 2868 / 04-30-2025		
Year registered	2006	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic and Safety Analysis (Travel Demand Modeling Lead), Discretionary Grant Program, **MPR 6**		

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	**Earhart Expressway Masterplan Stage 0 Feasibility Study:** Mr. Kunada developed traffic and safety analysis studies. Project involves prioritizing several proposed projects along Earhart Expressway in Jefferson and Orleans Parishes.
02/15 - 04/18	**LA 384 Stage 0, Lake Charles, LA – Traffic & Safety Study (S.P. No. 44-4909, T.O. H.011242.1)** Traffic Engineering Manager. Developed traffic and safety analysis for LA 384 (Country Club Road) from Big Lake Road to McNeese Street. Traffic Engineering Manager
05/15 - 06/18	**LA 328 Stage 0, Breaux Bridge, LA – Traffic & Safety Study (S.P. No. 44-4909, T.O. H.011279.1)** Traffic Engineering Manager. Developed traffic and safety analysis for LA 328 in proximity to I-10 in St. Martin Parish.
8/20 - 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 phases. Vijay is leading the Dynameq (Mesoscopic Modeling) modeling for evaluating various MOT strategies.
07/20 - Present	**MRB South GBR: LA 1 to LA 30 Connector, S.P. No. 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.
10/20 – 03/22 (Estimated)	**Baton Rouge (LA) 2046 Metropolitan Transportation Plan (MOVE 2046) (State Project No. H.972386):** As Project Manager, Mr. Kunada is overseeing 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.
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.
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, 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

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 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
Stage 0 Study 04/2010 -12/2010 Environmental Assess. 05/2011 - 02/2013	**Stage 0 Feasibility Study and Environmental Assessment (EA) Route LA 182 (North University Avenue) Widening, I-10 to West Pont des Mouton Road, Lafayette Parish (Lafayette Consolidated Government (LCG) Contract No. 500-10-034, State Project No. H.009335)** Project supports the widening of LA 182 to four lane capacity. The Study / EA included traffic studies, environmental screening and alternative concepts for widening the 2-mile route. Multiple roundabouts are provided. Project Engineer supporting traffic forecasts and analysis comparing signalized and roundabout geometry intersection
12/14 -	**Stage 0 Feasibility Studies of Modern Roundabouts, Lafayette MPO area, (Project No. H04490)**, Stage 0 studies supporting potential roundabouts at 23 intersections. 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 and considered future interchanges at I-10 and LA 74 and LA 429.
5/14 – 3/16	**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 22 roundabout studies and one additional roundabout is currently under study. (LADOTD Project No: H.004490) Role: Project Manager
08/12 – 07/14	**US 167/Johnston St Stage 0 Safety Study, Lafayette, LA:** AM strategies include RCUTs, Roundabouts, Raised Median, Turn Lanes. (LADOTD Project No: H.009997.1) Role: Traffic Lead
01/10 - 01/11	**Route LA 3234 Stage 0 Feasibility Study, Tangipahoa Parish, LA (State Project No. H.008915.1** The project will improve east-west connectivity through Hammond by extending LA 3234 from its current terminus at LA 1065 to Hammond Northshore Regional Airport. Project Engineer responsible for Small City demand model to support traffic forecast and traffic analysis supporting roundabout geometry intersections.
Career History	Vijay 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

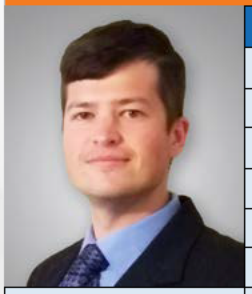


Firm employed by Neel-Schaffer, Inc.					
Name	**Ellen Howard, PE, PTOE**			Years of experience with this firm/employer	11
Title	Project Manager			Years of experience with other firm(s)/employer(s)	5
Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering		
Active registration number / state / expiration date			PE No. 38207 / LA / 03–31–2026; PTOE No. 3735		
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Traffic and Safety Analysis, **MPR 6**		

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).
10/22 – Present	**LA 383 Corridor Stage 0 Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parishes, LA:** Traffic Engineer responsible for data collection.
06/23 – 04/24	**LA 384 Stage 0 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA:** Traffic Engineer responsible for data collection, intersection safety and operations analyses, identifying intersection/corridor improvements to accommodate existing and future planned growth, alternatives analyses and traffic report.
01/14 – 03/16	**LA 73 Corridor Study (LA 74 to LA 621) Stage 0 Feasibility Study (Contract No. 4400003362, T.O. No. H.011160.1)**: Traffic Engineer responsible for data collection, warrant analysis, corridor operational analyses (Synchro and Sidra), Stage 0 traffic report preparation
01/14 – 12/16	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44–1862, T.O. H.010572.1)**: Traffic Engineer responsible for data collection, corridor traffic operational analysis (Synchro and Sidra), calibrated Vissim modeling, Stage 0 Traffic Report
01/14 – 06/14	**Stage 0 Study, considering the extension of Edenborne Parkway to South St. Landry Road (approximately 1 mile) for Ascension Parish**: Traffic Engineer responsible for intersection operational analyses (Sidra).
01/13 - 01/14	**US 190 (LA 433 to US 11) Interim Capacity / Widening Improvements Stage 0 Feasibility Study, (RPC Project No. LA433)** Traffic Engineer responsible for 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)** Traffic Engineer responsible for Data Collection, Intersection Operational Analyses (Synchro), Vissim Modeling
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
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
12/23 – Present	**US 190 (E Gause Blvd):** Traffic Engineer responsible for data collection, intersection safety and operations analyses, and identifying intersection/corridor improvements to accommodate existing and future planned growth.
03/20 – Present	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA:** This project when combined with the proposed I-69 will provide a connection between Port of Caddo-Bossier and the proposed future I-69. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines. Traffic Engineer
02/20 - Present	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA:** This project will provide a connection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and extending existing roadway. Traffic Engineer

02/25 – Present	**I–49 at LA 3233 (Harry Gilbeau Road) Traffic Study (Contract No. 4400025299, PO No. H.015986.5): (2/25–Present):** Traffic Engineer responsible for data collection, intersection safety and operations analyses, and identifying intersection/corridor improvements to accommodate existing and future planned growth.
01/24 – Present	**Cedar St Ext. to LA 22 and Roundabout (Contract No. 4400026458, PO No. H.014710) St. Tammany Parish, LA:** Traffic Engineer responsible for data collection, intersection safety and operations analyses, and identifying intersection/corridor improvements to accommodate existing and future planned growth.
06/22 – 10/24	**District 03 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes at 119 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
04/20 – 07/21	**District 05 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements. There were initially 81 locations with 53 additional locations added as a supplement.
02/19 – 03/20	**District 07 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes at 63 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
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
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
01/14 – 05/15	**Safety Study, LA 49 (Williams Blvd.,) Kenner, LA – Stage 0 / Safety Study (S.P. No. 4400001583, T.O. No. H.010570)**: Traffic Engineer responsible for data collection, intersection operational signal analyses (Synchro), and Vissim modeling.
12/17 – 03/19	**District 08 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes at 68 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
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.
01/15 – 06/15	**LA 3002, 16 & 1034 Corridor Study Phase 2 (Contract No. 4400004064, T.O. No. H.011645.1)**: Traffic Engineer responsible for data collection and traffic signal analysis.
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
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	**Jonathan Duhe, PE, PTOE, RSP$_1$**			Years of experience with this firm/employer	12
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	1
Degree(s) / Years / Specialization			BS / 2011 / Civil Engineering		
Active registration number / state / expiration date			PE No. 41047 / LA / 03–31–27; PTOE No. 4418; RSP No. 282		
Year registered	2016	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Traffic and Safety Analysis, **MPR 6**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/19 – Present	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** This project will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Mr. 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. The task orders under this project are as follows: **Local Road Signing (Vermilion) (SPN. H.013014);** The project includes ball–bank study, striping and signing to improve the safety along roadway segments and curves. **LRSP (Iberia Parish and City of N.I.) (SPN. H.013770);** Project includes signage and striping for safety improvements along 30 Miles of roadway. **FYA Signal Improvements (LCG) Lafayette Parish (SPN. H.014579);** This project includes the installation of flashing yellow arrows, cabinets, and detection systems for 28 intersections throughout Lafayette.
07/24 – Present	**D02H Flashing Yellow Arrow Pt2, Houma, LA: Project Engineer:** Oversaw the design of 40 traffic signals to update to include flashing yellow arrows. This project involved some full redesigns as well as some partial designs. Oversaw field data collection and plan development.
02/23 – Present	**US 61 @ Victoria Pedestrian Study, Baton Rouge, LA: Project Engineer:** The focus of this study was to determine pedestrian safety issues and propose alternatives to improve the pedestrian safety along this 0.7 mile corridor. Oversaw the data collection, which included detailed pedestrian origin–destination counts to determine pedestrian paths and crossing locations along US 61. Oversaw the safety analysis including utilizing the CARTS tool to analyze existing crashes. Developed alternatives for further analysis.
03/21 – 04/24	**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.
03/23 – 11/24	**City of Mandeville Safety Study Project, (Proj. No. 100.23.003), Mandeville, LA:** Project Engineer. Performing a high level safety study to develop low cost safety improvements and/or traffic calming recommendations to reduce crashes and increase safety along several corridors and at several intersections within the city of Mandeville. Responsible for data collection, safety analysis, mitigation development, and report preparation.
03/23 – Present	**Jimmie Davis Bridge Design Build, District 04, LA:** Project Engineer. Oversaw the data collection, operational analysis, safety analysis, traffic report preparation, and development of traffic signal design plans (permanent and temporary) for the design–build project that involves constructing a new bridge over the Red River.
04/20 – 06/21	**District 05 Safety Investment Plan District 05, LA**: Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LaDOTD's CATScan tool and performing benefit–cost analysis of potential safety improvements. Also assisted with report preparation.
02/19 – 03/20	**District 07 Safety Investment Plan District 07, LA**: Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LaDOTD's CATScan tool and performing benefit–cost analysis of potential safety improvements. Also assisted with report preparation.
11/17 – 04/19	**District 08 Safety Investment Plan District 08, LA**: Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LaDOTD's CATScan tool and performing benefit–cost analysis of potential safety improvements. Also assisted with report preparation.

02/20 – Present	**I–20 at LA 544 Overpass Replacement, Lincoln Parish, LA**: This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes new bridge with sidewalk over I–20. The entire project limits are complete street compliant which means it provides facilities for all users. Tasks similar to Line and Grade completed: Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. Mr. Duhe provided signal design review. Preliminary and final plans.
12/19 – 03/22	**US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA**: Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid–South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR. Project includes signalized intersections. Oversaw Intersection Operational Analyses (HCS), safety analysis, alternative development, and traffic report preparation.
08/22 – Present	**LRSP Ardenwood Dr Road Diet, Baton Rouge, LA**: Project Engineer, Responsible for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (HCS, Sidra), Safety Analyses, Traffic Report Preparation
09/21 – Present	**Harding Blvd at I–110, Baton Rouge, LA**: Traffic Engineer. Performing a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I–110 Ramps in an effort to improve capacity. Assisted with data collection and Initial Data Collection Report.
09/20 – Present	**College Drive Enhancement Project, Baton Rouge, LA**: Traffic Engineer. Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I–10 Ramps in an effort to improve capacity and safety. Assisted with data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.
06/20 – Present	**I–10/12 College Drive Flyover Design Build, Baton Rouge, LA**: Traffic Engineer. Performing a traffic study at the I–10/12 merge in an effort to improve capacity and safety. Assisted with uncalibrated VISSIM model. Assisted with safety analysis and signal design.
03/19 – 11/19	**District 08 Signal Timing Study, Natchitoches, LA**: Project Engineer Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs
11/16 – 04/19	**LA 385 (Ryan St) Feasibility Study, Lake Charles, LA**: Traffic Engineer. Assisted with intersection analysis including Vistro analysis. Assisted with safety analysis including reviewing crashes, creating collision diagrams, identifying conflict points, and using LaDOTD's CATScan tool to analyze safety. Also assisted with report preparation.
02/16 – 10/17	**LA 6 Feasibility Study, Natchitoches, LA**: Traffic Engineer. Assisted with intersection analysis including Sychro and Sidra analysis. Assisted with safety analysis including reviewing crashes, creating collision diagrams, and using the HSM Predictive method to analyze safety of potential alternatives. Also assisted with report preparation.
03/19 – 11/19	**US 61 Signal Timing Study, Baton Rouge, LA**: Project Engineer Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs
Career History	Jonathan joined Neel–Schaffer in 2013 and has over a decade of experience working on a wide range of traffic and transportation projects. He has worked on many intersection/corridor signal timing studies and signal design projects and other traffic engineering related projects for both public and private projects. He is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru–Traffic (TSPPDraft), and SIDRA. Jonathan has completed training and has experience using LADOTD's CARTS safety tool. He is a certified Professional Traffic Operations Engineer (PTOE), a Road Safety Professional (RSP1) and has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.

16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Charles LeBoeuf, PE, PTOE**			Years of relevant experience with this employer	10
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 / 03–31–2027; PTOE 5397		
Year registered	2018	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic and Safety Analysis, **MPR 6**		

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).
10/22 – Present	**LA 383 Corridor Stage 0 Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parish-es, LA:** Traffic Engineer responsible for data collection.
03/20 – Present	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA:** This project when combined with the pro-posed I-69 will provide a connection between Port of Caddo-Bossier and the proposed future I-69. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines. Traffic Engineer
02/20 - Present	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA:** This project will provide a connection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and ex-tending existing roadway. Traffic Engineer
06/23 – 04/24	**LA 384 Stage 0 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA:** Traffic Engineer responsible for data collection, intersection safety and operations analyses, identifying intersection/corridor improvements to accommodate existing and future planned growth, alternatives analyses and traffic report.
02/15–08/20	**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.
02/22 – 06/23	**Johnston St. Corridor Study, Lafayette, LA:** This project completed for LCG evaluated safety and operational improvements for motorist, pedestrian and bicyclist from Holden Ave to north of Garfield to the RR. Chuck completed the traffic analysis for this project.
09/23 – 03/24	**SS4A Safety Action Plans (Baton Rouge, LA; Houma, LA; Monroe, LA):** Mr. LeBoeuf conducted existing safety analyses in support of preparing Comprehensive Safety Action Plans for these areas.
01/24 – Present	**Lafayette Consolidated Government Signal Design, Lafayette, LA:** This project involves designing or modifying signals at several intersections in Lafayette, LA. Mr. LeBoeuf developed signal design plans, determined signal timings, and estimated signal item quantities.
04/18 – 04/20	**LA 328 (Rees Street) Corridor Study and Plan**: Project includes improving La. Hwy. 328/Rees Street from Latiolais Road to E Bridge Street including considering the impacts of the proposed E Mills Ave extension LA 328 to Doyle Melancon Ext. roadway and outreach
02/22 – 10/22	**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 – 06/23	**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 (Dynameq) 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.
10/20 – 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 that would connect LA 1 on the west bank of the River to LA 30 on the east bank of the River. This crossing would be somewhere between I–10 and LA 70. Mr. LeBoeuf used the existing traffic data to develop peak period volumes and travel times that were to be used in the model calibration and validation. Mr. LeBoeuf developed the Base mesoscopic model by first expanding a previous mesoscopic model to include the West Bank of the Mississippi River from Baton Rouge to Donaldsonville, and then performing Dynamic Traffic Assignments using Origin–Destination (O–D) matrices. Afterwards, Mr. LeBoeuf used the existing traffic data to calibrate the Base model to better reflect existing traffic conditions. Once the Base model was completed, Mr. LeBoeuf then developed the No Build model, which included proposed highway improvements and an updated O–D matrix for the year 2042. This No Build model was then used as a background model to develop Bridge–specific models for each of the 20 proposed bridge crossings.
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, mesoscopic modeling, and traffic signal design. 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.

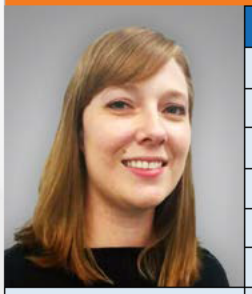
16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Santosh Andem, PE, PTOE**			Years of experience with this firm/employer	14
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 No. 36465 / LA / 03–31–2024; PTOE No. 3017		
Year registered	2011	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic abd Safety Analysis, **MPR 5**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/14 – 09/18	**Roundabout Stage 0 Studies, Lafayette Consolidated Government, Lafayette, LA**: 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 Santosh 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.
05/14 – 03/16	**LA 73 Stage 0, Prairieville, LA – Traffic & Safety Study**: Traffic Engineer, Santosh assisted in 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.
10/13 – 12/16	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study:** Traffic Engineer, Santosh assisted in 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.
04/18 – 04/20	**Rees St (LA 328) Stage 0 Corridor Study**: 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.
10/22 – Present	**LA 383 Corridor Stage 0 Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parish-es, LA:** Traffic Engineer responsible for data collection.
06/23 – 04/24	**LA 384 Stage 0 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA:** Traffic Engineer responsible for data collection, intersection safety and operations analyses, identifying intersection/corridor improvements to accommodate existing and future planned growth, alternatives analyses and traffic report.
04/18 – 06/23	**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 Santosh includes intersection and corridor safety analysis, data collection, roundabout analysis using SIDRA for existing and future volumes, writing technical memorandum documenting conclusions and recommendations.
07/21 – 08/21	**I–285 & SR400 Reconstruction Project, Atlanta, GA**: This project is in reference to I–285 & SR400 Reconstruction Pro–ject – 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 Santosh includes developing VISSIM models, and preparation of tech memo detailing the study findings.
11/19 – 10/20	**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 Santosh include developing existing, No Build and Build (Phase 1 and Phase 2) VISSIM models for AM and PM.
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 Santosh 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. Santosh worked on the traffic analysis of existing and rerouted volumes using Synchro, safety analysis and preparation of the report detailing study findings and recommendations.
03/17 – 12/17	**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 Santosh 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.
07/14 – 04/15	**I–10 Interchange at North Ambassador Caffery Parkway Stage 0 Feasibility Study, LADOTD, Lafayette, LA**: The purpose of this study is to provide operational, safety and capacity improvements to the I–10 at N. Ambassador Caffery Pkwy interchange and intersections within the influence area of the interchange as well as improve access for freeway traffic to adjacent arterials and vice versa. Tasks completed by Santosh include existing analysis, developing future intersection peak hour volumes using Lafayette MPO travel demand model, signal warrant analysis, capacity and LOS of study intersections, ramps, weaving sections and corridors using Synchro 8 and HCS 2010, and preparation of the report detailing the findings and recommendations. Project Engineer
03/12 – 04/12	**N. University Avenue (LA 182) Widening, Lafayette Consolidated Government, Lafayette, L**A: This project involves widening of University Avenue between I–10 and Pont des Mouton Road. Three roundabout geometry intersections are proposed. Tasks completed by Santosh includes preparing a VISSIM model for build scenario, air quality analysis using MOVES 2010a and preparing air quality report documenting study findings.
10/12 – 01/13	**LA 935 (LA 431 to LA 22) Safety Study/Stage 0 Feasibility Study, LADOTD, Ascension Parish, LA**: This is a Safety Stage 0 Study. Tasks completed by Santosh included the identification of crash clusters, the review of hard copy police reports, determination of the contributory causes and the development and evaluation of the effectiveness of proposed alternatives using IHSDM.
Career History	Santosh joined Neel–Schaffer in 2011. He serves as a senior 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. Santosh 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. Santosh 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	15
Title	Traffic 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 No. 40920 / LA / 03–31–2027; PTOE No. 4528		
Year registered	2016	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic abd Safety Analysis, **MPR 6**		

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 – 07/23	**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.
06/23 – 04/24	**LA 384 (Big Lake Rd to McNeese Street) Stage 0 (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA:** Traffic Engineer. This project included analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned growth. Performed existing and alternative safety analysis, performed existing and future intersection analyses, developed recommendations, and prepared report.
01/24 – Present	**US 190 Corridor (E Gause Blvd) (Contract No. 23–171 PO No. 22307798) St. Tammany Parish, LA:** Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned growth. Reviewed existing safety analysis, performed existing and future intersection analyses. In the future, will develop recommendations, perform alternative intersection operational and safety analyses, and prepare report.
07/24 – Present	**US 190 Access Management Stage 0 and Traffic Study (Contract No. 700.21.015) City of Mandeville, LA (16541):** Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned growth. Performed peak period determination, organized data collection, reviewed existing safety analysis, performed existing and future intersection analyses. In the future, will develop recommendations, perform alternative intersection analyses, perform alternative safety analysis, and prepare report.
10/22 – Present	**LA 383 Corridor Study Stage 0 (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parishes, LA:** Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned development growth. Performed peak period determination, organized data collection, reviewed existing safety analysis. In the future, will perform existing and future intersection analyses, develop recommendations, perform alternative intersection analyses, perform alternative safety analysis, and prepare report.
01/24 – Present	**Cedar St Ext. to LA 22 and Roundabout (Contract No. 4400026458, PO No. H.014710) St. Tammany Parish, LA:** Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned development growth including extending a roadway and installing a roundabout at one of the study intersections. Performed peak period determination, organized data collection, reviewed existing safety analysis, performed existing and future intersection analyses. In the future, will develop recommendations, perform alternative intersection analyses, perform alternative safety analysis, and prepare report.

02/25 – Present	**I–49 at LA 3233 (Harry Gilbeau Road) Traffic Study (Contract No. 4400025299, PO No. H.015986.5):** Traffic Engineer. This project includes analyzing existing intersection safety and operations and identifying intersection improvements to accommodate existing and future planned development growth including a roundabout design at one of the study intersections. Performed peak period determination and organized data collection. In the future, will review existing safety analysis, perform existing and future intersection analyses, develop recommendations, perform alternative intersection analyses, perform alternative safety analysis, 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 Extension, 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 – 06/22	**Harding Blvd at I–110, Baton Rouge, LA:** Traffic Engineer. Performing a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I–110 Ramps in an effort to improve capacity. Performed intersection analyses, tier 1 analyses. Assisted with report preparation.
10/21 – 04/22	**US 190 Access Management Project, 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), 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, Mandeville, LA:** Engineer Intern. Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Helped prepare the traffic report.
04/15 – 04/16	**US 80 Traffic Control Signal Upgrade, Shreveport, LA:** Traffic Engineer assisted with Data Collection (Traffic Counts and Travel Time Runs), Signal Warrant Analyses, Intersection Operational Analyses (Synchro), Signal Designs.
01/14 – 12/16	**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.
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):** Engineer Intern. Performed intersection analyses for existing and future alternatives using Synchro and SIDRA software. Checked signal 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.
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.
Career History	Mrs. Odenthal joined Neel–Schaffer, Inc. as a student intern in 2010, went full time in 2012 upon her graduation, and 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.

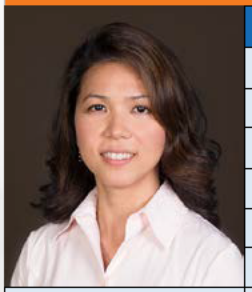
16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**William Case Fulcher, PE, PTOE, PTP, RSP_{2B}, RSP_{2I}**			Years of experience with this firm/employer	8
Title	Senior Traffic Engineer			Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering; MS / 2015 / Civil Engineering		
Active registration number / state / expiration date			PE No. 45329 / LA / 09–30–2025; PTOE No. 5158 / 11–20–27; PTP No. 786 / 11–20–27; RSP2B No 33 / 07–18–26; RSP2I No 147 / 3–20–26		
Year registered	2021	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic Engineering Studies, Road Safety Assessments, and Safety Effectiveness Evaluations **MPR 5**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
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 (IMR) and traffic management plan for the proposed changes to the merger between I–12 and I–10 in Baton Rouge.
06/22 – 10/24	**District 03 Safety Investment Plan, LADOTD**: Engineer for this study evaluating crashes at 119 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
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.
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.
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.
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.
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 – 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.
04/19 – 12/19	**District 07 Traffic Signal Timing Upgrade, Lake Charles, LA (S.P. No. 44–8851, T.O. No. H.012467.5):** Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at five intersections along LA 14.
03/19 – 11/19	**District 61 Traffic Signal Timing Upgrade, Baton Rouge, LA (S.P. No. 44–8851, T.O. No. H.011186.5):** Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at six intersections along US 61 / LA 408.

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.
02/21 – 09/21	**Transportation Plan for Starkville, Mississippi State University, and Oktibbeha County, Oktibbeha County, MS (S.P. No. SPR– 1(111) /17838 –110000, T.O. No. NS–P/E 2019–01):** Traffic Engineer, Transportation Planner. Provided a regional transportation plan to provide guidance to all governmental entities for a coordinated effort to improve traffic in the area. Services included, traffic volume forecasts, intersection and segment analysis, and alternative development.
03/19 – 011/19	**District 08 Traffic Signal Timing Upgrade, Natchitoches, LA (S.P. No. 44–8851, T.O. No. H.011960.5):** Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at four intersections along LA 1 / LA 6.
9/21 – 04/22	**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.
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.
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.
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.
01/17 – 05/17	**US 80 Traffic Control Signal Upgrade, Shreveport, LA (S.P. No. 4400004712, T.O. No. H.011733.5):** Engineer Intern. Prepared signal design sheets and signal timings for the upgrade of 20 signals along US 80.
12/17 – 06/18	**LA 1 / LA 3089 Signal Timing and Synchronization, Donaldsonville, LA ("MOVE ASCENSION"):** Engineer Intern. Provided traffic engineering services to upgrade the signal timings and coordination at six intersections along LA 1 / LA 3089 including updated signal design sheets.
Career History	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, IHSDM, 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 2 Infrastructure (No. 147) and Behavioral (No. 33)

16. STAFF EXPERIENCE

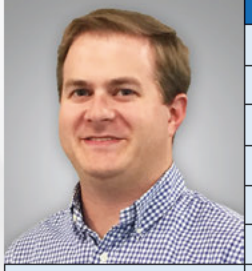


Firm employed by Neel-Schaffer, Inc.					
Name	**Mai Nguyen, PE**			Years of relevant experience with this employer	8
Title	Roadway Design Engineer			Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering		
Active registration number / state / expiration date			PE No. 38189 / LA / 03–31–2026		
Year registered	2013	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road & Bridge Layouts and Cost Estimates, Feasibility Study, Report, and Checklists, **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).
06/13 – Present	**Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA**: Road alignment, roundabout layout, and design, preparing cost estimates. Includes 23 Stage 0 Studies. s
03/19 – 03/24	**IDIQ Contract for Stage 0 Studies, Statewide, LA:** This contract included conducting 23 separate Stage 0 studies in multiple locations throughout Louisiana. Projects included existing conditions analysis, conceptual and schematic design, stakeholder and public meetings, cost estimates, and improvements to increase both vehicular and pedestrian safety. MS. Nguyen served as project engineer.
11/19 – 04/24	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** This contract includes 13 projects which will provide safety improvements for four parishes within three Districts. The tasks included under this project are **Stage 0 Feasibility Studies, Traffic Engineering, Design of Low–Cost Safety Improvements, Construction Support**, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Ms. Nguyen has assisted with the roadway plan production and design for these projects. The task orders under this project are as follows (see project profile for full description): 1.) Local Road Signing (Vermilion) (SPN. H.013014); 2.) Independence SRTS – Phase II (SPN. H.010108.1); 3.)LRSP (Iberia Parish and City of N.I.) (SPN. H.013770); 4.) LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1); 5.) W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621); 6.) LRSP Signs, Striping and X–Overs (Gonzales) (SPN. H.013621.1); 7). Downtown Greenway LA Connector (BR) (SPN. H.013751); 8.) LSU Laboratory School SRTS Project (SPR. H.009290); 9.) Local Road Signing (Ascension).
12/22 – Present	**Rees St. (LA 328) Stage 0 Study (Design Study), St. Martin Parish, LA:** This project will provide a median divided section with roundabouts and bike and path. Two alternatives were considered. Includes bike and/or pedestrian improvements.
10/22 – Present	**LA 383 Corridor Stage 0 Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parishes, LA:** Traffic Engineer responsible for data collection.
06/23 – 04/24	**LA 384 Stage 0 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA:** Traffic Engineer responsible for data collection, intersection safety and operations analyses, identifying intersection/corridor improvements to accommodate existing and future planned growth, alternatives analyses and traffic report.
03/20 – Present	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA:** This project when combined with the proposed I-69 will provide a connection between Port of Caddo-Bossier and the proposed future I-69. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines. Traffic Engineer
02/20 - Present	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA:** This project will provide a connection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and ex-tending existing roadway. Traffic Engineer
01/20 – Present	**I–20: LA 544 Overpass Replacement, Lincoln Parish, LA:** lead for road design preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond multilane roundabout interchange on a 3% longitudinal grade. The new bridge over I–20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.

9/22 – Present	**E. Milton Ave Improvements, Lafayette Parish, LA**: This project will widen an existing Roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi–lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. This project includes curb and gutter with sidewalks. Mai is designing this project and assisting with plan production. Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. Ms. Nguyen is working on the roadway design for the City of Youngsville. Project includes preliminary and finals plans.
03/23 – Present	**IDIQ for road design projects, Statewide, LA:** Project Engineer. This contract includes four separate Task Order projects. Tasks include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226); 2. LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366); 3. LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5; 4.LA 182: US 90 – Greenwood St. Overpasss SPN. H.016158
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA**: This project will provide a new two–lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Mai is working on the roadway design for the City of Youngsville. Project includes preliminary and final plans.
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a roundabout and required drainage improvements. Review of design, assist with plan production. Preliminary plans completed. Final design ongoing.
04/18 – Present	**I–49 South at Verot School Road:** This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I–49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabout.
07/15 – 12/22	**US 90 Pearl River Bridges Environmental Assessment, St. Tammany Parish, LA and Hancock County, MS:** Project includes the replacement of five bridges. This project also includes roundabout intersections. Project Engineer for over 75 line and grade alternatives. Developed horizontal and vertical alignments, considering required drainage and ROW requirements were developed and analyzed for potential environmental impacts and costs. Includes a roundabout intersection.
08/17 – 08/20	**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.
11/15 – 07/20	**Southcity Parkway Extension, Lafayette, LA**: This project will construct a new 1.7–mile, four–lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and new bridge design. The roadway and drainage design are being completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design (preliminary and final plans)and traffic services.
08/17 – 07/18	**I–10 New Orleans Master Plan**: Provided engineering support in development of horizontal and vertical alignments of roadways, and geometric layouts of traditional interchanges, with multiple bridges, alternative intersections, ramps, roundabouts, and HOV lanes to provide access to the Port of New Orleans.
Career History	Mai has over 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, drainage design, construction sequencing, striping, and signing layout, and cost estimates. She also has completed countless interchange geometric designs, roundabouts, and unconventional intersections following AASHTO and LADOTD design guidelines. She is experienced with utility coordination, creating detour plans, and working with Contractors and LADOTD Engineers to ensure the project is constructed according to plans. She has been involved with preliminary and final roadway design plans, feasibility studies, stage 0 re-ports, environmental assessment study, roadway concept layouts for traffic studies, develop high level cost estimates for multiple District Safety Investment Plans. She is Certified as a Work Zone Traffic Control Supervisor, Technician and Flagger.

16. STAFF EXPERIENCE

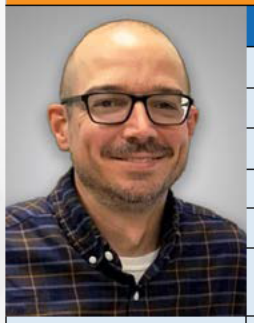


Firm employed by Neel–Schaffer, Inc.					
Name	**Chance Shuckrow, PE**			Years of relevant experience with this employer	10
Title	Project Engineer			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2014 / Civil Engineering		
Active registration number / state / expiration date			PE No. 0042746 / LA / 03–31–2027		
Year registered	2018	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road & Bridge Layouts and Cost Estimates, Feasibility Study, Report, and Checklists, **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).
11/19 – Present	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** This project will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Mr. Shuckrow is providing engineering design support. He has completed the drainage design for these projects and assisted with the review process. The task orders under this project are as follows: **Local Road Signing (Vermilion) (SPN. H.013014);** The project includes ball–bank study, striping and signing to improve the safety along roadway segments and curves. **Independence SRTS – Phase II (SPN. H.010108.1);** The project includes approximately 4,100 feet of sidewalks, storm sewer drainage system, handicap curb ramps, and signage along LA 40, N. Oak St. and Pine St. **LRSP (Iberia Parish and City of N.I.) (SPN. H.013770);** Project includes signage and striping for safety improvements along 30 Miles of roadway. **LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1);** This project will provide safety improvements which include a road diet, new crosswalks, sidewalks, signage, and new pavement markings. The project limits are along Avenue B (LA 60), Plaza Street and Red Cross Plaza. **W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621);** This project will provide safety improvements which include 2,000 feet of sidewalks, pavement markings, signage, and storm sewer drainage along W. 11th Avenue between S. Tyler (LA 21) to S. Jefferson Avenue. **LRSP Signs, Striping and X–Overs (Gonzales) (SPN. H.013621.1);** This project will provide safety improvements (median modifications, pavement markings, signage) along S. Irma Boulevard and S. Purpera Avenue. **Downtown Greenway LA Connector (BR) (SPN. H.013751);** The project will provide sidewalks and shared lanes on Louisiana Ave. and Eddie Robinson Sr. Dr. The project scope includes adding sidewalks, replacing driveway pavement, installing plastic pavement striping, and ADA–compliant curb ramps. **LSU Laboratory School SRTS Project (SPR. H.009290);** This project includes shared use paths along Dalrymple Dr., sidewalks along Fraternity Dr., curb extensions, signage, striping and ADA–compliant handicapped ramps. **Local Road Signing (Ascension) (SPN. H.015011); Project includes raised median installation, signage, and striping for safety improvements along 32 parish and local roadways in Ascension Parish.**
03/23 – Present	**IDIQ for road design projects** – this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a roundabout with high–speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in–place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue. **4.) LA 182: US 90 – Greenwood St. Overpass SPN. H.016158;** Design Services. This project includes pavement rehabilitation along LA 182 from WB Exit Ramp to Greenwood St. Overpass, in Morgan City, LA. The work includes pavement patching, mill and overlay, roadway reinforcing mesh, curb ramps and guard rail.

04/23 – Present	**Jimmie Davis Design Build:** This project will construct a new 4–lane bridge over the Red River, convert LA 511 from a five–lane roadway to a 4–lane median divided roadway with turn lanes, and construct full–access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. She assisted with design–related tasks. Managed the roadway drainage design, and managed the scour analysis, attends team technical meetings and meetings with DOTD. Provided QA/QC. She also assisted with the proposal preparation, attended one–on–one meetings, and assisted with the technical writing for the proposal.
09/20 – Present	**H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA:** This project considers multiple alternatives along a 5.5 mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more. Mr. Shuckrow will provide roadway support and help with the cost estimate.
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA**: This project will provide a new two–lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Project includes preliminary and finals plans.
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a roundabout and required drainage improvements. Includes roundabout. Design services. Preliminary plans completed. Final design ongoing.
08/20 – Present	**I–10 & I–12 College Drive Flyover Ramp Design Build, Baton Rouge, LA:** This project includes an Interchange Modification Report, TMP, and ITR of MOT Plans for the proposed College Drive Ramp improvements. Provided road design and drainage Independent Technical Review.
04/18 – 04/20	**S.P. No. H.013023: Rees St. (LA 328) Stage 0 Corridor Study (Design Study), St. Martin Parish, LA** – This project focuses on the overall improvement of safety along the corridor. He reviewed the proposed road alignment, several roundabout intersection, roadway widening with sidewalks and bike path and cost estimates the corridor in Breaux Bridge, LA.
11/15 – Present	**Southcity Parkway Extension, Phase 1, Robley Drive to Kaliste Saloom Road, Lafayette Parish, Lafayette Consolidated Government (LCG).** EA and Final Design. Final Design of 2–mile four lane median divided roadway with 3 multilane roundabout intersections and a major bridge crossing the Vermilion River. Completed the vertical and horizontal alignments, modeled the project with Bentley software and completed the drainage design. Mr. Shuckrow serves as the engineer of record for this project assisting with the roadway design, stage 0 feasibility study and EA. This project includes bike lanes and sidewalks/paths.
06/13 – 09/20	**Stage 0 Feasibility Studies, Modern Roundabouts, SPN:** H04490, Lafayette Metropolitan Area (Retainer) Engineering in support of Stage 0 Scope and Budget Checklist for 24 separate roundabouts. This project focuses on the improvement of traffic flow and safety at each intersection & interchange. Mr. Shuckrow assisted with the review of the roadway design and cost estimates.
03/15 – Present	**St. Martinville Bypass (LA31) Environmental Assessment and Line and Grade Study in St. Martinville, LA (SPNH.004924.5)** Includes five roundabout geometry intersections at connections with state routes. Assisted in geometric design of roadway alternatives and in the development of horizontal and vertical profiles.
06/18 – 03/20	**Move Ascension Project No. MA–18–03: LA 73 Turn Lanes at Brown Road/ LA 73 Turn Lanes at Oakland Drive:** Served as designer on project, working mainly on drainage design for 2 separate turn lane projects. Work included delineating existing drainage and design of new structures.
09/15 – Present	**Ham Reid Road at Lake Street Intersection Improvements, Calcasieu Parish, LA:** Project includes the final design of a multilane roundabout. Completed the roundabout design, drainage design, and developed plans.
11/16 – 08/19	**LA 385 Stage 0 Feasibility Study:** This project focuses on safety improvements along the LA 385 corridor between LA 3186 south of I–10 to Eddy Street north of I–10. Mr. Shuckrow provided engineering design support.
Career History	Mr. Shuckrow joined Neel–Schaffer in of 2014 and has 10 years of experience in the design of roadways, freeways, signalized and roundabout geometry intersections. Based in the firm's Baton Rouge (LA) office, Chance has worked in the design of drainage, horizontal and vertical profiles, and corridors. He has also worked in cost estimating of projects and in the preparation of roadway design plans.

16. STAFF EXPERIENCE

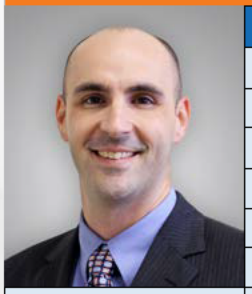


Firm employed by Neel-Schaffer, Inc.					
Name	**Joshua Schexnider, PE**			Years of relevant experience with this employer	6.5
Title	Project Engineer			Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			BS / 2016 / Civil Engineering; BS / 2000 / General Studies		
Active registration number / state / expiration date			PE No. 45891 / LA / 03-31-2026		
Year registered	2021	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road & Bridge Layouts and Cost Estimates, Feasibility Study, Report, and Checklists Discretionary Grant Programs, **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).
10/22 – Present	**LA 383 Corridor Stage 0 Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parishes, LA:** Plan Production and Design Services.
06/23 – 04/24	**LA 384 Stage 0 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA:** Plan Production and Design Services. Responsible for data collection, intersection safety and operations analyses, identifying intersection/corridor improvements to accommodate existing and future planned growth, alternatives analyses and traffic report.
03/20 – Present	**H.014056.1: I-69 Stage 0 Frontage Road (Ellerbe Road) Caddo Parish, LA:** Plan Production and Design Services. This project when combined with the pro-posed I-69 will provide a connection between Port of Caddo-Bossier and the proposed future I-69. The projects include bridge replacements, upgrading and extending existing roadway to current design guidelines.
02/20 - Present	**H.014054.1 I-69 Stage 0 Frontage Road (Stonewall Frierson Road) Desoto Parish, LA:** Plan Production and Design Services. This project will provide a con-nection between I-49 and the proposed future I-69. The project includes bridge replacements, upgrading and ex-tending existing roadway.
09/20 – Present	**H.011280.1: LA 10 Stage 0 Phase 2, Washington Parish, LA:** Plan Production and Design Services. This project considers multiple alternatives along a 5.5 mile portion of LA 10. Improvements include roundabouts, additional capacity, access management, couplets and more.
07/21 - Present	**Earhart Expressway Masterplan Stage 0 Feasibility Study:** Plan Production and Design Services. Project included traffic and safety analysis studies. Project involves prioritizing several proposed projects along Earhart Expressway in Jefferson and Orleans Parishes.
03/23 - Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.

6/22 – Present	**Jimmie Davis Bridge (LA 511) (HBI) Design Build**: This project will replace the existing five-lane roadway with a four-lane median divided roadway with turn lanes. It will provide a new bridge crossing for LA 511 at the Red River and will also modify the existing bridge crossing for use as a linear park and provide a multiuse path. NSI is providing the traffic analysis, signal design, striping and signing plans, road design support and Bridge H&H and Scour for the river crossing. This preliminary design is being completed in support of the Design Build Proposal document. Design Services.
10/22 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA**: NSI is completing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.
06/23 – 04/24	**E. Milton Ave Improvements, Lafayette Parish, LA**: This project will widen an existing Roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. This project includes curb and gutter with sidewalks, as well as preliminary and finals plans.
03/20 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a roundabout and required drainage improvements. Includes roundabout. Design services. Preliminary plans completed. Final design ongoing.
02/20 - Present	**LA 89 @ Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA**: This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Project includes preliminary and finals plans.
12/21 – 01/22	**LA 1256 intersection improvements (Calcasieu Parish):** project will construct multiple turn lanes along 1256. Drainage improvements are included along with signal design. Road design and drainage design are in conformance with DOTD requirements. Project engineer for roadway and drainage design.
10/19 – Present	**East Mandeville Bypass, St. Tammany Parish**: This project will construct a new 2-mile four lane median divided roadway with multilane roundabouts intersections at LA 1088 and US 190. Project includes roundabout.
08/16 – Present	**Southcity Parkway Extension – Lafayette, LA**: Assisted in preparation of plans. Project includes 3 multilane roundabouts.
08/17 – 03/19	**Juban Road (LA 1026) Widening, Livingston Parish, LA**: Assisted in preparation of plans. This project includes roundabouts.
02/17 – Present	**US 90 Bridges Environmental Assessment, St. Tammany Parish, LA**: Assisted with preparation of plans. Includes a roundabout.
08/17 – 01/20	**Bossier Parish Roadway, Bridge and Culvert Engineering, Damage Assessment and Reconstruction Services**: This project included approximately 90 project sites consisting of bridges, roadway reconstruction, patching and overlays, and new drainage structures. Assisted with the design and plan production.
08/17 – 03/20	**LA 73 Turn Lanes**: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines.
06/16 – 06/16	**LA 22 Corridor Study – St. Tammany Parish, LA**: Assisted with preparation of plans. Project includes 6 roundabouts.
Career History	Josh is a design engineer and has been assigned to a variety of projects which include safety projects, roadway design, drainage design, and other civil engineering projects. His duties include design and analysis, preparation of construction plans, and specifications. He also has experience providing engineering design support during construction. He is also an ATSSA – Work Zone TCS/TCT/Flagger.

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.				
Name	**Scott Andrepont, PE**		Years of relevant experience with this employer	15
Title	Project Engineer		Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 2005 / Civil Engineering; MS / 2007 / Civil Engineering		
Active registration number / state / expiration date		PE No. 37107 / LA / 09-30-2026		
Year registered	2012	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Road & Bridge Layouts and Cost Estimates, Feasibility Study, Report, and Checklists, **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).
06/13 – Present	**Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA**: Project Engineer. Road alignment, roundabout layout, and design, preparing cost estimates. Includes 23 Stage 0 Studies.
03/19 – 04/20	**LA 328 (Reese Street) Stage 0:** Mr. Andrepont created the geometry for this project which would improve LA 328 from Latiolais Drive to E. Bridge St. Signalized and roundabout intersections were considered. Mr. Andrepont completed the design criteria, typical sections, and geometry in accordance with the requirements of DOTD. He also assisted with public outreach activities. Includes 3 roundabouts.
03/19 – 04/20	**LA 328 (Reese Street) Stage 0**: Created the geometry for this project which would improve LA 328 from Latiolais Drive to E. Bridge St. Signalized and roundabout intersections were considered. Scott completed the design criteria, typical sections, and geometry in accordance with the requirements of DOTD. He also assisted with public outreach activities. Includes 3 roundabouts.
03/23 – Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.
08/17 – 03/20	**LA 73 Turn Lanes**: This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines
09/22 – Present	**E. Milton Ave Improvements, Lafayette Parish, LA**: This project will widen an existing Roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. This project includes curb and gutter with sidewalks, as well as preliminary and finals plans.
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a roundabout and required drainage improvements. Includes roundabout. Design services. Preliminary plans completed. Final design ongoing.

12/22 – Present	**LA 89 @ Guillot Rd Improvements**: Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA**: This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Project includes preliminary and finals plans.
01/11 – 01/14	**LA 447 Corridor Study, Walker, LA (LA 16 to US 190)**: A corridor study to evaluate corridor improvements along LA 447 between LA 16 and burgess Ave. Project included the interchange at I-12. Includes multilane roundabouts
11/19 – Present	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62)**: This project will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design and construction related engineering. Mr. Andrepont is assisting with the roadway and drainage plan production and design.
11/15 – 07/20	**Southcity Parkway Extension, Lafayette, LA**: This project will construct a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and new bridge design. The roadway and drainage design are being completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design and traffic services.
01/20 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA**: NSI is completing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.
04/18 – Present	**I-49 South at Verot School Road**: This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabouts.
08/12 – 03/19	**Juban Road Widening**: NSI managed the completion of the roadway and drainage design services for this project, which will widen LA 1026 (Juban Rd.), construct three roundabouts and two new frontage access roadways, with storm drainage sewer systems.
03/15 – Present	**Mandeville Bypass, St. Tammany Parish LA**: Assisted in geometric layout of roadway and development of alternatives. Includes roundabout geometry intersections with LA 1088 and US 190. Road Design Assistance. Includes 4 roundabouts.
04/20 – Present	**US 90 and FM 481 Improvement, Kinney County, TX**: QA/QC of Striping, Singing, and High Friction Surface course plans.
09/09 – 08/12	**N. University Ave. Widening, Lafayette, LA**: Road alignment, preparing scope for utility and topographic survey, roundabout layout and design, and plan preparation. Project Engineer
07/13 – 09/13	**LA 1088 Traffic Corridor Study for LA DOTD in St. Tammany Parish, LA**: Assisted in the geometric layout for 3 Alternatives for the improvements of LA 1088. Each alternative included roundabouts at determined intersection with J-turns as well as complete streets with combinations of bike paths/multi-use paths / sidewalks along the corridor. Design Assistance. Includes roundabouts.
Career History	Mr. Andrepont is a design engineer and has been assigned to a variety of projects which include safety projects, roadway design, drainage design, foundation design and other civil engineering projects. His duties include design and analysis, preparation of construction plans, and specifications. He also has experience providing engineering design support during construction. He is also an ATSSA – Work Zone TCS/TCT/Flagger.

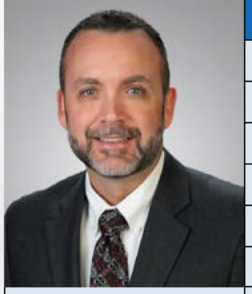
16. STAFF EXPERIENCE

Firm employed by					
Name	**Steve Hazen, PE**			Years of experience with this firm/employer	15
Title	Senior Engineer			Years of experience with other firm(s)/employer(s)	34
Degree(s) / Years / Specialization			BS / 1974 / Civil Engineering		
Active registration number / state / expiration date			PE No. 18087 / LA / 03-31-2025		
Year registered	1979	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road & Bridge Layouts and Cost Estimates, Feasibility Study, Report, and Checklists, **MPR 7**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – Present	IDIQ for road design projects - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724)**: This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (structural design.).
09/18 – 12/18	**I-220 / I-20 Interchange Improvement & BAFB Design-Build Proposal, Bossier Parish, LA**: Project Engineer. Design of preliminary roadway drainage and H&H analysis for Musselshell Bayou and its tributaries and HEC-RAS analysis of Red Chute Bayou to check for effect of road embankment on flood stages. Project included both bridges and box culverts. Preliminary design was in accordance with LA Standard Specifications for Roads and Bridges as well as LA DOTD Bridge Design Manuals.
02/10 – 10/11	**Off System Highway Bridge Program; Sparks Davis Rd Bridge over Tributary to Buchanan Bayou, Caddo Parish, LA**: Project Engineer. Work included HEC-RAS analysis of existing bridge opening and bridge replacement alternative plans. Existing bridge was a three-span concrete bridge, and the recommended alternative was four reinforced box culverts. Inspection and design were in accordance with LA Standard Specifications for Roads and Bridges as well as LADOTD Bridge Design Manuals.
02/10 – 02/11	**Off System Highway Bridge Program; White Springs Bridge over Wallace Bayou, Caddo Parish, LA**: Project Engineer for replacement of 2-lane, 164' long bridge. New bridge is a 180' long and 40' wide concrete quad beam bridge with 20' approach slabs. Work included HEC-RAS analysis of bridge opening and bridge plans. Design was in accordance with LA Standard Specifications for Roads and Bridges as well as LA DOTD Bridge Design Manuals.

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

16. STAFF EXPERIENCE



Firm employed by					
Name	**Brian Adams, PE, SE, CBI**			Years of experience with this firm/employer	1+
Title	Senior Structural Engineer			Years of experience with other firm(s)/employer(s)	22
Degree(s) / Years / Specialization			BS / 2001/ Agricultural Engineering		
Active registration number / state / expiration date			PE No. 0048729 / LA / 09-30-2026		
Year registered	2024	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Road & Bridge Layouts and Cost Estimates, Feasibility Study, Report, and Checklists, **MPR 7**		

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 - 01/23	**GDOT SR 81 over Dried Indian Creek, Newton County, GA (PI #0013751):** Project Manager. As part of a bridge bundle contract, this project provides concept, preliminary, and final engineering design for a bridge replacement. The project replaced an existing single-span concrete arch bridge built in 1914 with a single-span, prestressed concrete bridge on concrete abutments on the existing alignment. The bridge incorporates post tensioned arch fascia girders to mimic the existing arch. Context Sensitive Design ensured mitigation of impacts to the downtown Covington Historic District. Brian monitored scope, schedule, and budget; managed a team of in-house designers and specialty subconsultants; and ensured all milestones are met.
01/20 - 01/23	**GDOT SR 212 over Lake Jackson, Newton and Jasper Counties, GA (PI#0013603):** Project Manager. As part of a bridge bundle contract, this project provides concept, preliminary, and final engineering design for a bridge replacement. The project replaced an existing five-span steel bridge built in 1964 with a five-span, prestressed concrete bridge on concrete intermediate bents on an offset alignment. The bridge crosses a recreational lake and is adjacent to multiple residences. Early coordination with Georgia Power and public involvement were critical in successful delivery of this project. Brian monitored scope, schedule, and budget; managed a team of in-house designers and specialty subconsultants; and ensured all milestones were met.
06/16 - 04/17	**GDOT FY16 Design-Build Bridge Replacements Batch 3, Statewide, GA (PI #0014176):** Lead Bridge Engineer for project that provided design and construction for the replacement of six bridges at various locations in Georgia. The scope of services included roadway and bridge design, hydraulic and hydrological studies, bridge foundation studies, bridge removal and replacement, utility coordination and relocation, drainage, retaining walls, erosion control and environmental permitting. Each site presented its own set of unique challenges, from limited right of way, horizontal/vertical alignments, environmentally sensitive areas, utility conflicts, work zone access, adjacent property owners, and protected species. Brian was responsible for bridge design. He led the design team to overcome the unique site challenges by developing innovative solutions such as beam sizes/spacing, bent locations, modifying the horizontal/vertical alignments, avoiding utility conflicts, crane placement, and using innovative construction methods. He coordinated with the roadway team for bridge geometry verification, ensured that the bridge design was properly integrated with the bridge hydraulic analysis, and coordinated with the geotechnical engineering team for development of all foundation solutions. Brian provided technical direction and oversight, and he took responsibility for completion of the design and production of the drawings. He ensured quality control efforts were maintained in accordance with the QA Plan. Brian verified the design for constructability, including consideration of anticipated staged construction under traffic.
06/20 - 04/23	**FDOT District 4 SR 9 (I-95) Express Lanes Phase 3C Design-Build, Bridge 26 Pier 9 Straddle Bent Retrofit, District 4, Broward County, FL:** Engineer of Record for this bridge as part of Phase 3C of FDOT's overall Phase 3 implementation of express lanes along the I-95 corridor within Broward and Palm Beach Counties. '95 Express' is a limited access express lane facility that runs adjacent to the I-95 general use lanes. The construction limits extend for a total distance of approximately 9 miles along I-95. The project includes two miles of improvements along I-595; direct connections between northbound and southbound 95 Express Lanes and I-595 to and from the west; and the painting of 17 existing steel bridges within the I-95/SR 84 and I-95/I-595 Interchanges. The interchange with I-595 contains Bridge 26, for which H&L was selected to design the straddle bent retrofit for Pier 9. Bridge 26 is a long, horizontally curved, Category 2 steel box girder bridge, and Pier 9 must be replaced due to the future ramp configuration of I-595 EB. As EOR, Brian was in charge of all aspects of designing the post-tensioned, integral straddle bent at Pier 9. He reviewed all design plans, made final design decisions, and ensured all milestones were met.

01/02 - 05/04	**5th Runway/Taxiway Design-Build, Hartsfield-Jackson Atlanta (GA) International Airport:** Assistant Project Manager and Lead Bridge Engineer. This project provided conceptual, preliminary, and final design of all structural elements of two bridges and retaining walls for this unique project to provide an additional 9,000-foot runway at Atlanta's airport. One of the two new bridges carries the new 5th Runway and the other carries Taxiway "U" over 10 lanes of existing Interstate 285. The parallel taxiway bridge is comprised of 764 specially designed, prestressed concrete beams carrying aircraft loads of over 1.3 million pounds. This bridge also contained post-tensioned diaphragms and edge beams to help distribute the high concentrated wheel loads. Brian led the bridge design team. He provided technical direction and oversight, coordinated with subconsultants, ensured all deadlines were met, and assisted with quality control goals. He was responsible for completion of the design and production of the drawings, as well as shop drawing review and approval. Brian's technical tasks included a grillage analysis of the cast-in-place deck to determine distribution of the highly concentrated aircraft wheel loads. He also performed 3D finite element analysis of the post-tensioned diaphragms and edge beams as well as the intermediate wall bents.
06/16 - 10/19	**ALDOT Construction Engineering for I-20/I-59 at I-65 (CBD Phase II Project), Birmingham, AL:** Engineer of Record for this project that included the modifications of the I-20/I-59 at I-65 interchange as part of the Phase II of the Central Business District Bridges Replacement. These modifications include the construction of multiple ramps and bridges that include curved continuous steel plate girder bridge units and continuous steel beam bridge widenings. The construction engineering included all analysis and design necessary to provide erection plans for the following steel units: Bridge 6A: 185'-191'-165' span arrangement, 1023' radius of curvature, 68" webs, Bridge 8: 100'-120'-100' span arrangement, 1331' radius of curvature, 68°-63°-60°-60° Bent skews, 40" webs, Bridge 9A: widening, 49'-83'-48' span arrangement, splayed W30x211, Bridge 9 Unit 1: 140'-180'-140' span arrangement, 1143' radius of curvature, 60" webs, Bridge 9 Unit 2: 140'-180'-140' span arrangement, 1143' radius of curvature, 60" webs, Bridge 9 Unit 3: 150'-210'-150' span arrangement, 1143' radius of curvature, 80" webs, Bridge 9 Unit 4: 180'-260'-180' span arrangement, 1143' radius of curvature, 86" webs, Bridge 13: widening, 92'-165'-156' span arrangement, 60°-60°-60°-60° Bent skews, 48" webs, Bridge 14: 252'-252'-300' span arrangement, 831' radius of curvature, 110" webs, Bridge 15 Unit 1: 200'-200' span arrangement, tangent, 84" webs, Bridge 15 Unit 2: 200'-245'-195' span arrangement, 753' radius of curvature, 84" webs, Bridge 17: widening, 195'-195' span arrangement, 78°-78°-78° Bent skews, 63" webs, Bridge 27 Unit 1: 120'-160'-120' span arrangement, 488' radius of curvature, 66" webs, Bridge 27 Unit 1: 120'-160'-120' span arrangement, 488' radius of curvature, 66" webs The erection analysis and design were performed in accordance with Engineering for Structural Stability in Bridge Construction – FHWA-NHI-15-044, 2015. Brian worked with the contractor to develop erection sequences and crane locations that met all site and maintenance of traffic constraints. He developed analysis and design procedures for determining steel piece pick points, for evaluating girder stability during picking, for evaluating global and local unit geometry for each stage of erection, for accounting for locked in forces due to cross-frame misfit due to detailing for total dead load fit, for specifying temporary support elevations and evaluating the resulting temporary support loads, for evaluating temporary and final girder stresses and for evaluating temporary and final cross-frame forces. These procedures utilized UT Lift and UT Bridge by the University of Texas Ferguson Structural Laboratory, CSiBridge by Computers and Structures, and manual calculations.
Career History	Brian brought 21 years of impressive bridge design experience and a deep familiarity of the structural practices and approaches used by multiple Departments of Transportation throughout the Southeast. Brian has completed a series of notable bridge design and bridge construction QA/QC projects for various transportation departments. He has contributed to bridge and roadway projects for the Georgia DOT, the Florida DOT, the Alabama DOT, and numerous municipalities and counties. Additionally, he played a pivotal role in projects at many major international airports, including Atlanta, Orlando, Tampa, and Ft Lauderdale. One of the early highlights of Brian's career was his work on the Design-Build project of the famed 5th Runway bridge at the Hartsfield-Jackson Atlanta International Airport. The 9,000-foot runway features a bridge spanning 10 lanes of Interstate 285. He managed and served as Lead Designer for the airport's SkyTrain and various related buildings and managed and served as Engineer of Record for Design-Build projects for the Automated People Movers at both Orlando International Airport and Tampa International Airport. In addition to holding Professional Engineer registrations in Georgia and 12 other states, Brian is a Registered Professional Structural Engineer in Georgia and Utah. He is also a Certified Bridge Inspector.

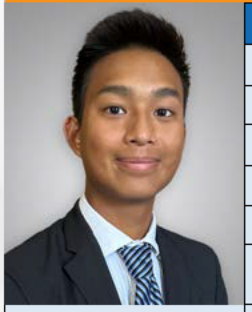
16. STAFF EXPERIENCE

Firm employed by Neel–Schaffer, Inc.					
Name	**Jacob Thiaville, EI**			Years of relevant experience with this employer	3
Title	Project Engineer			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2022 / Civil Engineering		
Active registration number / state / expiration date			EI No. 35368 / LA / 09–30–25		
Year registered	2023	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Road & Bridge Layouts and Cost Estimates		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/19 – 04/24	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** This contract includes 13 projects which will provide safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Traffic Engineering, Design of Low–Cost Safety Improvements, Construction Support, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Mr. Thiaville has assisted with the road design services and plan production for these projects. He has also assisted with feasibility studies. The task orders under this project are as follows (see project profile for full description): 1.) Local Road Signing (Vermilion) (SPN. H.013014); 2.) Independence SRTS – Phase II (SPN. H.010108.1); 3.)LRSP (Iberia Parish and City of N.I.) (SPN. H.013770); 4.) LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1); 5.) W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621); 6.) LRSP Signs, Striping and X–Overs (Gonzales) (SPN. H.013621.1); 7). Downtown Greenway LA Connector (BR) (SPN. H.013751); 8.) LSU Laboratory School SRTS Project (SPR. H.009290); 9.) Local Road Signing (Ascension).
03/23 – Present	IDIQ for road design projects – this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. Mr. Thiaville has assisted with Plan Production and Design Services. **1.)US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226);** This project includes the design for a roundabout with high–speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.)LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366);** This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.)LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5;** Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in–place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue. **4.)LA 182: US 90 – Greenwood St. Overpass SPN. H.016158;** This project includes pavement rehabilitation along LA 182 from WB Exit Ramp to Greenwood Str. Overpass, in Morgan City, LA. The work includes pavement patching, mill and overlay, roadway reinforcing mesh, curb ramps and guard rail.
04/23 – Present	**Feasibility Report – Ascension Parish Signing and Striping, Ascension Parish, LA:** Completed feasibility study, assisted in the creation of aerial exhibits displaying the project limits and crash data for 56 miles of roadway including 44 sites. Completed summary of estimated quantities and cost estimate for required signing and striping quantities. Developed man hour estimate/cost and anticipated schedule for engineering services.
08/17 – Present	**Mandeville Bypass, Mandeville, LA:** This project will provide a new 3 Mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I–12 and US 190 near Fontainebleau Park. It will construct five multilane roundabouts and multiple entrances to Pelican Park. Mr. Thiaville is providing design services and plan production services.

11/22 – Present	**East West Corridor Winfield Rd Ext.:** Created Concept typical sections, templates to run model, corridor and surface, set up limits of construction and req'd ROW, line and grade design, plan production, Helped with traffic analysis report graphics for ADT and queue lengths. TOOLS: Inroads SS2 Modeler (Create Template and Roadway Designer), Inroads Surface, Copying 1300x400' Clipping boundary and Trimming
05/22 – 05/23	**Buc–ee's I–10 at Louisiana Ave, Lafayette, LA:** Mr. Thiaville has assisted with Plan Production and Design Services. Project will provide turn lanes along Louisiana Ave. and improvements to the ramps along I–10 to accept the additional traffic volumes associated with the new Buc–ee's development. Roadway Design, inroads modeling, drainage design and drainage report.
05/22 – Present	**W Broussard Roundabout @ Duhon Rd, Lafayette, LA:** Assisted with the drainage design which included tasks such as Inlet spacing design and drainage system design, drainage plan and profile sheet production, delineation of drainage areas, and production of drainage . Tools: InRoads ss10, HYDRWIN, Hydraulics Manual, Rational Method Spreadsheet
05/22 – 02/23	**E Milton Ave Roundabout @ Chemin Metairie Rd, Youngsville, LA:** Inlet Spacing and Storm Sewer System design with DOTD hydraulics software, Utility Coordination, Plan production. Delineation of Drainage Areas, determination of drainage parameters, designing pipe networks to accommodate constraints, created DOTD utility conflict matrix spreadsheet and proposed utility layout (plan) to show what utilities need to be relocated. Tools: InRoads ss10, RAB Layout Guide Sheet, AASHTO, DOTD Roadside Design Manual, HYDRWIN, Excel, Hydraulics Manual, Rational Method Spreadsheet.
07/22 – Present	**Eden Isles Roadway, HWY 11 and Lakeview Dr**: Assisted with proposal design alternatives. Assisted drafting 3 alternative designs with u–turn bulb outs for PC and WB67 vehicles, annotating the sheets for stage 0. Tools: InRoads ss2, DOTD Roadside Design Manual, AASHTO
08/22 – Present	**Chemin Metairie Pkwy @ Guillot Rd (Roundabout), Lafayette, LA**: Plan production, sequence of construction temporary signing design and AutoTURN. Using MUTCD and standard plans to come up with temporary signing layout for construction phases, running AutoTURN with WB67 design vehicle through all the phases of construction. Tools: InRoads ss2 alignment tracking, MUTCD, LaDOTD Standard Plans, AutoTURN
01/23 – Present	**I–49 at Verot School Rd Interchange Design, Lafayette, LA**:: Completed concrete joint layout for interstate ramps and turnouts, Used OpenRoads Sign CAD to create interstate guide signs. Tools: Openroads SignCAD, MUTCD, DOTD Sign Manual, SignCAD user guide, google earth, excel, LADOTD Standard plans
05/22 – Present	**LA 544 and I20 (Overpass Replacement 4 RAB)**: Signing quantities and plan production. Checking sign quantities and basic mark ups, Project was near completion when I arrived Tools: InRoads ss2 alignment tracking, Excel, MicroStation, MUTCD
Career History	Jacob as a member of our Transportation group who joined the Baton Rouge office as a student intern. Since his graduation, he has worked in both the New Orleans and Baton Rouge offices and continues to provide design services for DOTD and municipal projects. He was an intern in the Baton Rouge office from May 2022 through December 2022. After graduating in December from Louisiana State University with a Bachelor of Science in Civil Engineering, Jacob joined the firm on a full–time basis.

16. STAFF EXPERIENCE



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

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 - Present	**IDIQ for road design projects** - this contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. **1.) US 90: Roundabout a LA 101 (Calcasieu) (SPN. H.015226)**; Plan Production and Design Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. **2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366)**; Plan Production and Design Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. **3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5**; Plan Production and Design Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.
07/21 - 08/21	**LA 1088: Soult and Trinity Roundabouts, St. Tammany Parish, LA:** Ryan assisted with the title sheet and typical sections, cut plan/profile sheets and displayed the vertical alignment, created reference and benchmark sheets. This project consisted of 2 roundabouts to reduce existing congestion and accommodate future traffic. Tools: MicroStation, InRoads alignment tracking
07/21 - 08/21	**LA 70: Sunshine Bridge – LA 22, St. James and Ascension Parishes, LA:** Ryan assisted in typical sections, created geometric details sheets. This 5.148 mile project consisted of widening the roadway into 4 lanes. Tools: MicroStation, InRoads alignment tracking, Excel
08/23 – Present	**I-49 at Verot School Rd. Interchange Design, Lafayette, LA:** Ryan switched out reference files and annotated call outs on plan/profile sheets, determined sign sizes for signing summary sheets. This project includes 2.4 miles of mainline freeway and interchange at the intersection of I-49 South/US 90 and Verot School Road. This project includes the design of a major bridge crossing at Verot School Road and I-49 and a roundabout at the relocated intersection of Verot School Road and South College Road. Part of this project also includes a new interchange over multilane highway and railroad, converting at-grade railroad crossing to above grade crossing, and reconstructing four at-grade railroad crossings. Tools: MicroStation, MUTCD
08/23 - Present	**Ascension Parish Signing and Striping, Ascension Parish, LA:** Ryan assisted in the feasibility report by creating aerial exhibits displaying the project limits. This project includes 56 miles of roadway including 44 sites for signing and striping. Tools: Google Earth, Microsoft Word

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

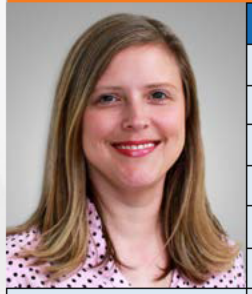
16. STAFF EXPERIENCE

Firm employed by Neel-Schaffer, Inc.					
Name	**Lance Decuir, PE, AICP, RSP**			Years of experience with this firm/employer	1+
Title	Senior Project Manager			Years of experience with other firm(s)/employer(s)	22
Degree(s) / Years / Specialization			BS / 2002 / Civil Engineering; MS / 2008 / Transportation Systems; MBA / 2011		
Active registration number / state / expiration date			PE No. 45293 / LA / 09–30–2025		
Year registered	2021	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Feasibility Study, Report, and Checklists		

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).
08/23 – 07/24	**Capital Region Planning Commission Comprehensive Safety Action Plan, Baton Rouge, LA:** Project Manager. NSI is assisting the CRPC with the preparation of a Comprehensive Safety Action Plan for Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The project includes project management, public engagement, existing conditions review, crash data and safety analysis (regional trends, regional distribution of crashes, identification of high–risk corridors and intersections), countermeasure toolbox, implementation plan, visualization and graphics, implementation grant assistance, and a safety action plan.
07/21 – 05/23	**Williamson County (TX) Corridor E Stage 0 Study:** Project Manager. This study involved Stage 0 for a new corridor in Williamson County. The proposed facility is a controlled access facility with two 2–lane main lanes, two 3–lane frontage roads, and two shared–use paths (one on each side of the ROW). The proposed ROW will be 350 feet wide; however, it may vary to accommodate drainage, including detention ponds and drainage easements. Lance's team developed a feasible route for a greenfield, new–location controlled access roadway between future SH 29 and Ronald Reagan Boulevard.
09/20 – 04/23	**TxDOT Austin District, I–35 Schematic and Environmental Study (FM 1431 to SH 45), Round Rock, TX:** Project Manager for this Stage 0 study that included approximately $1.5 billion in improvements for the study of I–35 in Round Rock from SH 45 to FM 1431, approximately 7 miles. The study included conceptual alternatives analysis and traffic operational analysis to determine the most optimal solution for this section of I–35 and included collector–distributor analysis, general use and main lane analysis to add capacity of this section of I–35 in Round Rock.
06/22 – 04/23	**Corridor J Stage 0 Study, Williamson County, TX:** Project Manager for a Stage 0 study for a new limited access corridor in Williamson County. The proposed facility is a controlled access facility with two 2–lane main lanes, two 3–lane frontage roads, and shared–use paths. The proposed ROW will typically be 350 feet wide; however, it may vary to accommodate drainage, including detention ponds and drainage easements. Lance's team developed a feasible route for the new–location controlled access roadway between future SH 195 and SH 183, a distance of 7 miles. The study included extensive public involvement with affected property owners to help determine the best location of the preferred alignment.
08/20 – 12/21	**CAMPO Corridors Stage 0 Study, San Marcos, TX:** Project Manager. Responsible for the transportation element of the Stage 0 study, which focused on a multi–modal approach addressing potential transit, bicycle, and pedestrian improvements along the existing corridors of SH 123 and SH 80, and the potential of a new corridor with the extension of SH 21 to the south. Transportation elements of the project looked at traffic operational analysis and existing conditions to recommend potential future modifications to meet the study goals. This inclusive planning study examined local transportation within the context of six inter–related planning elements to generate synergistic and regionally significant place– making benefits through subsequent projects and policies.
11/19 – 02/21	**Ronald Reagan Route Stage 0 Study, Williamson County, TX:** Project Manager responsible for the Stage 0 study to analyze the extension of Ronald Reagan Boulevard from I–35 to H–95, approximately 10 miles. Responsible for the development of various sections of roadway to analyze alignments while minimizing impacts on the surrounding environment. The extension is proposed to be a four–lane mainline limited access facility, with three–lane frontage roads in each direction.

08/23 – 04/24	**Comprehensive Safety Action Plan for Central Mississippi Planning and Development District, Jackson, MS:** Project Manager. Neel–Schaffer is preparing a Comprehensive Safety Action Plan for the CMPDD, which covers Copiah, Hinds, Madison, Rankin, Simpson, Warren, and Yazoo Counties. The project includes public engagement, safety analysis, equity analysis, policy review, vision and goal setting, and strategy and project selection for each county within the study area.
08/23 – 04/24	**Comprehensive Safety Action Plan for Starkville, MS:** Project Manager. Neel–Schaffer is preparing a Comprehensive Safety Action Plan for the City of Starkville, which covers the City of Starkville and Mississippi State University. The project includes public engagement, safety analysis, equity analysis, policy review, vision and goal setting, and strategy and project selection for both the City and the University.
09/23 – 01/25	**Comprehensive Safety Action Plan for the South Central Planning and Development Commission, Houma, LA:** Project Manager. Neel–Schaffer is preparing a Comprehensive Safety Action Plan for the Houma Thibodaux Metropolitan Planning Organization region, which covers Assumption, Lafourche, and Terrebonne Parishes. The project includes public engagement, safety analysis, equity analysis, policy review, vision and goal setting, and strategy and project selection for HTMPO area.
09/23 – 07/24	**Comprehensive Safety Action Plan for the Ouachita Council of Governments / North Delta Regional Planning and Development District, Inc., Monroe, LA:** Project Manager. Neel–Schaffer is preparing a Comprehensive Safety Action Plan for the Ouachita Parish region. The project includes public engagement, safety analysis, equity analysis, policy review, vision and goal setting, and strategy and project selection for the Ouachita Parish region.
Careeer History	Mr. Decuir joined Neel–Schaffer in 2023 and serves as a Senior Project Manager for Transportation planning, based in the firm's Lafayette (LA) office. Lance has two decades of experience in transportation planning, preliminary engineering, and management, eight with the Florida Department of Transportation and 12 for consulting engineering firms. From transportation policy initiatives at the local level to project development studies at the statewide level, Lance has extensive experience in a multitude of transportation disciplines, including transportation planning, project management, public involvement, transportation engineering, environmental studies, and traffic control studies.

16. STAFF EXPERIENCE



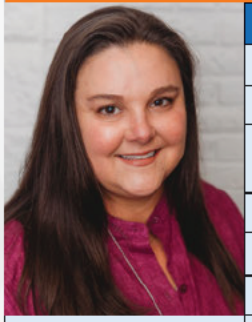
Firm employed by Neel-Schaffer, Inc.			
Name	**Haley Streuding, RPA**	Years of relevant experience with this employer	5
Title	Archaeologist	Years of relevant experience with other employer(s)	12

Degree(s) / Years / Specialization			BA / 2001 / Political Science; BA / 2007 / Anthropology; MS / 2014 / Anthropology
Active registration number / state / expiration date			Professional Archaeologist No. 32026903 / MS / 12–31–25
Year registered	2014	Discipline	Archaeology
Contract role(s) / brief description of responsibilities			Feasibility Study, Report, and Checklists

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).
06/23 – 04/24	**H.011242:LA 384 (Big Lake Rd. to McNeese St. , Calcasieu Parish, LA:** Archaeologist. This project will provide improvements along LA 384 from Lisle Peters Rd. to LA 3092 (Lake St.). Proposed improvements include the construction of a three–lane section (two travel lanes with a two–way–left–turn lane) from Lisle Peters Rd. to Elliott Rd. and the construction of a four–lane median divided roadway between Elliott Rd. to LA 3092. This project includes U–turns and signal improvements as well as complete streets. The project included a stage 0 report, checklists, conceptual layout, and cost estimates. Provided Archaeological Services.
02/20 – 01/22	**H.014056.1: I–69 Stage 0 Frontage Road (Ellerbe Road), Caddo Parish, LA:** This project when combined with the proposed I–69 will provide a connection between Port of Caddo–Bossier and I–49. The project included a stage 0 report, checklists, conceptual layout, and cost estimates. The project also included turn lanes, bridge replacements, upgrading and extending existing roadway to current design guidelines. / Cultural Resources (Archaeological Services).
02/20 – 01/22	**H.014054.1 I–69 Stage 0 Frontage Road (Stonewall Frierson Road), Desoto Parish, LA:** This project provides a connection between I–49 and the proposed future I–69. The project included a stage 0 report, checklists, conceptual layout, and cost estimates. The project also included turn lanes, upgrading, and extending existing roadway. / Cultural Resources (Archaeological Services).
10/22 – Present	**LA 383 Corridor Stage 0 Study (Contract No. 440018271 PO No. H.014746.1) Calcasieu and Jefferson Davis Parishes, LA:** Archaeologist.
06/23 – 04/24	**LA 384 Stage 0 (Big Lake Rd to McNeese Street) (Contract No. 4400018271 T.O. No. H.011242.1) Calcasieu Parish, LA:** Archaeologist.
07/21 – Present	**Earhart Expressway Masterplan Stage 0 Feasibility Study:** Archaeologist. Project involves prioritizing several proposed projects along Earhart Expressway in Jefferson and Orleans Parishes.
01/22	**West Hattiesburg Lamar County Park Project, Lamar County, Mississippi:** Principal Investigator. Conducted desktop review for a proposed sports complex in Hattiesburg (January 2022).
11/21	**Bozeman Landfill Expansion Project, Lauderdale County, MS:** Principal Investigator. Conducted a Phase I cultural resources survey and prepared final report of findings for a proposed landfill expansion in Meridian, Mississippi. The survey was performed for Waste Pro, Inc. (November 2021).
10/21	**Gordon's Creek Commons Project (Forrest County, MS):** Principal Investigator. Conducted a Phase I cultural resources survey and prepared final report for the City of Hattiesburg (September 2021).
10/21	**Bogue Chitto Water Park (Pike County, MS):** Conducted a Phase I cultural resources survey for proposed pedestrian and trail improvements at the Bogue Chitto Water Park near McComb, Mississippi. Prepared draft report of the survey findings and submitted to the Mississippi Department of Archives and History (MDAH). Work was performed for the Pike County Board of Supervisors, Magnolia, Mississippi (October 2021).
09/21	**City of Biloxi East–West Access Road Project (Harrison County, MS):** Principal Investigator. Conducted a Phase I cultural resources survey and prepared final report for a proposed access road for the City of Biloxi (August 2021).

08/21	**Green Teal Court Project (Harrison County, MS):** Principal Investigator. Conducted a Phase I cultural resources survey and prepared final report for a proposed boat house in Biloxi, MS (August 2021).
08/21	**Hall Avenue West BUILD Project, Forrest County, MS (MDOT):** Principal Investigator and author of report for a Phase I cultural resources survey performed for the Mississippi Department of Transportation. Project includes proposed road improvements and the construction of a bridge overpass over the Norfolk Southern Railroad (August 2021).
03/21	**Hattiesburg FTA Grant Sidewalks Project, Forrest County, MS:** Principal Investigator and author of report for a Phase I cultural resources survey performed for the City of Hattiesburg (March 2021).
02/21	**Chatom Tower Site, Washington County, AL:** Principal Investigator. Conducted a Phase I cultural resources survey and prepared the draft report for a proposed telecommunications tower for the Mobile Communications District (February 2021).
Career History	Ms. Streuding joined Neel–Schaffer in 2020 and is a Registered Professional Archaeologist, based in the firm's Biloxi (MS) office. She has 14 years of experience in the Archaeological field, providing a wide variety of services on projects around the world. She has assisted in several marine geophysical surveys and data acquisition, as well as marine remote sensing data interpretation. She has authored numerous draft and final reports in adherence of Section 106 Compliance.

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.					
Name	**Maria Reid**			Years of relevant experience with this employer	<1
Title				Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization			BS / 1998 / Forest Management and Wildlife; MS / 2000 / Agribusiness and Agricultural Economics - Natural Resource Policy and Environmental Management and Planning		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Development of Purpose and Need, Feasibility Study, Report, and Checklists **MPR 8**		

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).
01/22 – present	**S.P. H.013284: Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA:** Deputy Project Manager and NEPA Specialist – Maria served as Deputy Project Manager and Environmental/NEPA Specialist on the Enhanced Planning Study and Environmental Assessment for a proposed new bridge crossing of the Mississippi River for the purposes of providing transportation system redundancy and additional capacity across the Mississippi River and alleviating traffic congestion in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new "south" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 with a connection to Interstate 10 on the west side of the Mississippi River and to LA 30 (and widening of, LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls. This project required an elevated level of public involvement which included quarterly updates to the Capital Area Road and Bridge District (CARB-D). CARB-D is a commission made up of Parish Presidents from Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge parishes, the Secretary of LA DOTD, and a commission chairman appointed by the Governor. CARB-D meetings are considered open to the public and are streamed through the Louisiana State Senate's website (senate.la.gov/video_archive). The Enhanced Planning Study was completed and the documentation produced was accepted by FHWA Louisiana in December 2023 as the first approved Planning and Environmental Linkage (PEL) document in Louisiana. NEPA phase field studies were started in 2024. Anticipate NEPA initiation in Spring 2025.
08/24 - Present	**S.P. H.003931: I-10 Calcasieu River Bridge Public-Private Partnership Project, Cities of Lake Charles and Westlake, Calcasieu Parish, LA.** Louisiana Bridge Builders (LBB), the constructor partner for the project, contracted with Atlas Technical Consultants to provide Environmental Compliance services to meet the technical requirements of key personnel, i.e., the Environmental Compliance Manager (ECM). Ms. Reid provided the management and guidance of the environmental permitting and compliance commitments for the project in accordance with NEPA standards. Acted as a liaison between the design team, environmental permitting team, and all agencies involved in the permitting process. Provided guidance to LBB and assisted in decision-making. Prepared the Comprehensive Environmental Protection Plan, the Hazardous Materials Management Plan, and assisted with the Health and Safety Plan.
02/20 – 01/22	**Environmental Impact Manager (September 2014 – August 2018) Louisiana Department of Transportation and Development, Baton Rouge, LA:** The DOTD Environmental Section evaluates the environmental consequences of each DOTD project on the natural and human environment and promotes compatible solutions in serving the transportation needs of Louisiana. As Environmental Impact Manager, Ms. Reid supported that role by: Managing staff workload, evaluating job performance, reviewing staff work, and counseling employees; Managing in-house, in-depth analyses, research and field investigations on cultural and natural resource issues; Researching, writing, and publishing of detailed reports including EISs, EAs, BAs, wetland delineations, and habitat evaluations (including monitoring of sensitive species); Conducting public involvement events, answering questions from the public and other interested parties; Representing DOTD at interagency meetings with Federal, state and local agencies to coordinate and facilitate discussions on project proposals, project impacts, and permit and mitigation requirements; Acting as a representative of DOTD at meetings with elected officials, business groups, citizen groups, educational forums, and the affected public to provide information on specialized topics; and Initiating, negotiating, and managing contractual agreements with other local, state, and federal agencies, and consulting firms

	LA 427 (Perkins Road): Siegen Lane – Highland Road (Environmental Assessment, H.002344). This project would widen Perkins road from a two-lane roadway with poor level of service to a four-lane divided roadway with improved level of service with implementation of access management. The project was proposed as part of the Road Transfer Program and Mayor Holden's Green Light Program. The EA and line and grade-level design were prepared by consultants; however, Ms. Reid was involved in project decisions including: extension of the project termini (extension from Pecue to Highland in September 2014); additional noise studies with homeowner association outreach in 2016; EA and technical report review, comment, and submittal to FHWA. FHWA signed the Finding of No Significant Impact on February 9, 2017.
	Interstate 10 Widening: I-49 eastward to Atchafalaya Floodway Bridge (Categorical Exclusions, H.003003, H.010601, H.003014). This project was completed on an accelerated schedule in order to qualify for FASTLANE Grant funding. Each of the three sections were processed using Categorical Exclusions: 1) I-49 to LA 328, 2) LA 328 to LA 347, and 3) LA 347 to Atchafalaya Floodway Bridge. As the Environmental Coordinator, Ms. Reid prepared each Categorical Exclusion which required public outreach including solicitation of views and public meetings. The Categorical Exclusions were approved May 29, 2015 (H.003003), February 18, 2016 (H.003014), and anticipated approval of September 16, 2017 (H.010601).
	On-site Support. Customs and Border Protection Secure Border Initiative (SBI) SBInet Program Management Office, Washington, D.C. (Customs and Border Protection Secure Border Initiative).I completed a one-year assignment as an environmental planning subject matter expert in the SBInet Program Management Office – Environment, Land and Facilities Branch. My duties included assisting project environmental planning, monitoring and oversight to ensure compliance with legal, regulatory, and tribal environmental policy and requirements; attending meetings; assisting in negotiating mitigation measures under the Endangered Species Act and other regulatory schemes; conducting literature reviews; preparing and coordinating reports; identifying and helping to resolve project implementation environmental risks and impacts; and collaborating across multiple government and industry organizations.
	Project Manager. Environmental Compliance for the Tactical Communications (TACCOM) Land Mobile Radio (LMR) Modernization Project, Arizona Focus Area, U.S. Border Patrol, Tucson and Yuma Sectors, Arizona, Customs and Border Protection (U.S. Army Corps of Engineers, Fort Worth District). Ms. Reid was responsible for the coordination and preparation of an EA and BA for the proposed installation, operation and maintenance of communication equipment on 4 sites throughout southern Arizona on the Cabeza Prieta National Wildlife Refuge and the Coronado National Forest. The project required coordination between the U.S. Department of Interior (U.S. Fish and Wildlife Service Ecological Services and Cabeza Prieta Refuge), U.S. Department of Agriculture, Forest Service, U.S. Air Force- Luke Air Force Base, and U.S. Marine Corps-Barry M. Gold Water Bombing Range. The installation sites are in designated Wilderness Area and sensitive habitats for threatened and endangered species (i.e., Sonoran pronghorn [Antilocapra americana sonoriensis], lesser long-nosed bat [Leptonycteris yerbabuenae], jaguar [Panthera onca], ocelot [Leopardus pardalis]).
	Project Manager. Environmental Compliance for the SBInet Northern Border Project, U.S. Border Patrol, Buffalo and Detroit Sectors, New York and Michigan, Customs and Border Protection (U.S. Army Corps of Engineers, Fort Worth District): Ms. Reid was responsible for the coordination and preparation of an EA for the proposed installation, operation and maintenance of 13 communication and sensor towers along the St. Clair River between Lake St. Clair and Lake Huron in the Detroit Sector Area of Operations for the U.S. Border Patrol. She also conducted field surveys for the initial site selection process, vegetation mapping, and threatened and endangered species. The Buffalo Sector proposed a similar tower project; however, as part of the project team, Ms. Reid determined that the project had adequate NEPA coverage in a previously approved CBP RVS project from October 2004.
Career History	Ms. Reid has over 24 years of experience in environmental and regulatory compliance in both the private and public sectors. She has managed, planned, and participated in projects requiring protected species surveys, general wildlife inventories, forest inventories, biological assessments (BAs), wetland delineations and permitting, categorical exclusions, environmental assessments (EAs), and environmental impact assessments (EIS) in Louisiana, Mississippi, Alabama, Michigan, New York, Georgia, Tennessee, Florida, Arkansas, Texas, California, New Mexico, and Arizona, as well as numerous wetland delineations in Louisiana, Mississippi, Alabama, and Florida. Ms. Reid worked with Federal and state government clients including U.S. Department of the Army, Department of the Navy, Department of Homeland Security, Customs and Border Protection, U.S. Army Corps of Engineers, U.S. Forest Service, and Louisiana Department of Transportation and Development. Ms. Reid is has completed the NEPA and Transportation Decision Making course (2014).

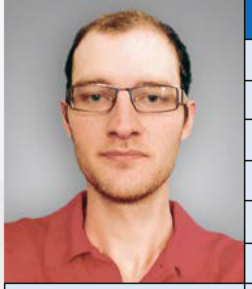
16. STAFF EXPERIENCE

Firm employed by Neel–Schaffer, Inc.					
Name	**Stephen Perault**			Years of relevant experience with this employer	7
Title	Senior Technician			Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization			N/A		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Public and Stakeholder Outreach		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
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 – 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.011242.1: Stage 0 Feasibility Study and Environmental Inventory for LA 384 (Big Lake Road to McNeese Street) in Calcasieu Parish for LADOTD:** Assisted with layouts and cost estimates.
8/17 – 8/20	**US 71 (Barksdale Blvd) Streetscape Improvements Phase 1:** Project constructed 1.5 Miles of sidewalk improvements and lighting to DOTD requirements. Plan and Profiles sheets were provided on aerial imagery with DOTD review and approval. Designer
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.
06/18 – Present	**I–49 South at Verot School Road, Lafayette, LA S.P. H.011235.5:** This project will construct 2.4 miles of mainline freeway, an interchange at the intersection of I–49 South/US 90 and Verot School Road, and a roundabout. Neel-Schaffer is serving as the subconsultant for this project and designing the mainline and frontage roadways and associated drainage. Neel–Schaffer is also completing the traffic design and TMP. Mr. Perault is assisting in the design and plan production for this project which includes the BNSF railroad crossing overpass at Verot School Road.
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.
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 – Present	**Route I–20, I–20: LA 544 Overpass Replacement, Lincoln Parish, LA:** Mr. Perault is assisting in the design and plan production for this project. This project begins North of the LA 544 and Woodward Avenue intersection and ends South of LA 544 and Gains Avenue intersection. It will replace the LA 544 Overpass diamond interchange with a double roundabout interchange. The project includes a new bridge over I–20 with sidewalks and four multilane roundabouts.
01–19 – 12–19	**LA 73 (Old Jefferson Highway) Turn Lanes, Ascension Parish, LA:** This project constructed turn lanes at multiple locations along LA 73 in Ascension Parish. Mr. Perault is assisted with the design and plan production for this project. The design was completed in accordance with LADOTD guidelines.

11/19 – Present	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** This project will provide low–cost safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Mr. Perault has assisted with the roadway plan production and design for these projects. The task orders under this project are as follows: **Local Road Signing (Vermilion) (SPN. H.013014);** The project includes ball–bank study, striping and signing to improve the safety along roadway segments and curves. **Independence SRTS – Phase II (SPN. H.010108.1);** The project includes approximately 4,100 feet of sidewalks, storm sewer drainage system, handicap curb ramps, and signage along LA 40, N. Oak St. and Pine St. **LRSP (Iberia Parish and City of N.I.) (SPN. H.013770);** Project includes signage and striping for safety improvements along 30 Miles of roadway. **LA 60: Bogalusa H.S. Ped Improvements (SPN. H.013713.1);** This project will provide safety improvements which include a road diet, new crosswalks, sidewalks, signage, and new pavement markings. The project limits are along Avenue B (LA 60), Plaza Street and Red Cross Plaza. **W. 11th Avenue Ped and Bicycle Improvement (SPN. H.013621);** This project will provide safety improvements which include 2,000 feet of sidewalks, pavement markings, signage, and storm sewer drainage along W. 11th Avenue between S. Tyler (LA 21) to S. Jefferson Avenue. **LRSP Signs, Striping and X–Overs (Gonzales) (SPN. H.013621.1);** This project will provide safety improvements (median modifications, pavement markings, signage) along S. Irma Boulevard and S. Purpera Avenue. **Downtown Greenway LA Connector (BR) (SPN. H.013751);** The project will provide sidewalks and shared lanes on Louisiana Ave. and Eddie Robinson Sr. Dr. The project scope includes adding sidewalks, replacing driveway pavement, installing plastic pavement striping, and ADA–compliant curb ramps. **LSU Laboratory School SRTS Project (SPR. H.009290);** This project includes shared use paths along Dalrymple Dr., sidewalks along Fraternity Dr., curb extensions, signage, striping and ADA–compliant handicapped ramps. **Local Road Signing (Ascension) (SPN. H.015011);** Project includes raised median installation, signage, and striping for safety improvements along 32 parish and local roadways in Ascension Parish.
Career History	Mr. Perault has almost 40 years' experience in roadway design which includes the design of interchanges, new urban and rural roadways, widening for existing corridors, intersection improvements, as well as over 25 roundabout projects. He has completed work for State, Parishes and industry. His project experience at LADOTD includes: **US 190: Roundabout at Eden Church RD. S.P. H.000466:** Project included a 3–legged Roundabout at the intersection of US 190 and Eden Church Rd. Responsible for the design and development of preliminary and final roadway plans, and prepared the construction cost estimate. **LA 637: Port of S. Louisiana Connector S.P. H.008322:** Responsible for the design and development of preliminary and final roadway plans for the widening of LA 637 from 2 to 3 lanes and prepared the construction cost estimate. **Existing 3–Lane to Contraband Bayou Bridge S.P. H.003969:** Designer of the preliminary and final roadway plans that involved the widening on LA 1138–2 from 2 to 3 lanes and a 3–legged Roundabout at the intersection of Holly Hill Road and LA 1138–2 and assisted with the construction cost estimate. **LA 16 Widening, Denham Springs – Watson S.P. 262–02–0023:** Designed the roadway for the widening of LA 16 from 2 to 4 lanes. Responsible for the development of preliminary and final roadway plans and prepared construction cost estimate.

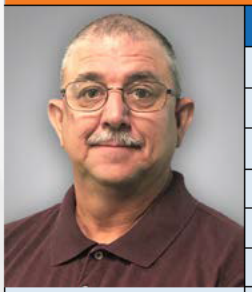
16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.					
Name	**Justin LeBlanc**			Years of relevant experience with this employer	13
Title	GIS Technician			Years of relevant experience with other employer(s)	0
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			Public and Stakeholder Outreach		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
12/22 - Present	**LA 89 at Chemin Metairie Road Improvements:** Mr. LeBlanc provided a background aerial image in the form of a single georeferenced mosaic for use in MicroStation for proposed roadway corridor improvements, which include a roundabout. Project is in Youngsville, LA.
09/22 - Present	**E. Milton Avenue Improvements:** Mr. LeBlanc provided a background aerial image in the form of a single georeferenced mosaic for use in MicroStation for proposed roadway corridor improvements, which include a roundabout. Project is in Youngsville, LA.
02/20 - Present	**W. Broussard Roundabout at Duhon Road (LA 724):** Mr. LeBlanc provided a background aerial image in the form of a single georeferenced mosaic for use in MicroStation for a proposed roundabout. Project is in Youngsville, LA.
01/23 - Present	**LA 383 Stage 0 Feasibility Corridor Study:** Mr. LeBlanc assisted in preparing maps and exhibits for project meetings. The maps provide avoidance information with oil and water well locations, locations of schools and parks. Also assisting in providing images and exhibits for Stage 0 Report. Project will focus on corridor improvements along the LA 383 corridor near the town of Iowa, LA in Calcasieu and Jefferson Davis Parishes.
07/21 – Present	**Earhart Expressway Masterplan Stage 0 Feasibility Study:** Mr. LeBlanc assisted in preparing maps and aerial exhibits for project meetings and reports. He assisted with the creation of centerline alignment on GIS imagery based on engineers designs and past studies. Project involves prioritizing several proposed projects along Earhart Expressway in Jefferson and Orleans Parishes.
07/21 - Present	**LA 10 Stage 0 Feasibility Improvements:** Mr. LeBlanc assisted in creating maps and exhibits for project prioritization meetings for multiple proposed projects for the LA 10 corridor in Bogalusa, LA. Mr. Leblanc also assisted in creating maps and images to be used in Stage 0 reports.
03/20 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA:** Mr. LeBlanc provided a background aerial image in the form of a single georeferenced mosaic for use in MicroStation for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.
03/20 - Present	**I-69 Stage 0 Feasibility (Ellerbe Road to LA 1):** Mr. LeBlanc assisted with providing maps, images, and exhibits for project Stage 0 Reports. The project is in Caddo Parish, LA and involves the design of horizontal alignments for upgrading and extending existing roadway and intersection design. He provided avoidance maps with oil and water well data and other environmental sites.
03/20 - Present	**I-69 Stage 0 Feasibility (Stonewall-Frierson Road):** Mr. LeBlanc assisted with providing maps, images, and exhibits for project Stage 0 Reports. The project is in Desoto Parish, LA and involves the design of horizontal alignments for upgrading and extending existing roadway and intersection design. He provided avoidance maps with oil and water well data and other environmental sites.
Career History	Mr. LeBlanc joined Neel-Schaffer in 2012 and has 11 years of experience providing field support and GIS assistance to teams of biologists, engineers, and planners. Initially, he worked to collect GPS data in the field, incorporating and analyzing the data in ArcGIS for use in a variety of report presentations. At this time, he also provided field support for wetland delineations and wildlife habitat surveys. More recently, Justin's experience involves working closely with teams of engineers and planners to develop data and create maps for various reports. In this role, he is involved in the beginning (data development), middle (mapping the data), and end (creating digital deliverables) of each project. He also frequently provides a background of aerial images to colleagues proficient with MicroStation. Mr. LeBlanc's areas of expertise include: GIS applications and development, GIS aerial imagery, GPS data collection, Field support for wetland delineations and wildlife habitat surveys.

16. STAFF EXPERIENCE



Firm employed by Neel-Schaffer, Inc.					
Name	**Lonny Territo**			Years of relevant experience with this employer	10
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			Public and Stakeholder Outreach		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/22 – Present	**Cargill Reserve Pedestrian Crossing Traffic Study Reserve, LA :** Performed traffic and pedestrian counts.
02/19 – 03/20	**District 07 Safety Investment Plan, DOTD District 07 (SPN 4400010504, Task No, H.013826.1):** Performed traffic counts and site visits to collect site conditions and photos.
12/17 – 03/19	**District 08 Safety Investment Plan, DOTD District 08(SPN 4400010504, Task No, H.013264.1):** Performed traffic counts and site visits to collect site conditions and photos.
05/15 – Present	**LA 328 Stage 0 Traffic & Safety Study**: Develop to traffic and safety analysis of the LA 328 in proximity to I–10 in St. Martin Parish. Performed traffic counts and, Breaux Bridge, LA: traffic controller downloads.
06/14 – Present	**Baton Rouge Computerized Signalization, Phases IV and V**: Performed traffic engineering, signal design and construction services in support of the City of Baton Rouge computerized signalization. Phase IV included 21 intersections and Phase VA included 23 intersections. Phase VB which is currently in the design phase includes 24 intersections. Performed traffic counts and traffic controller downloads.
09/14 – 01/18	**District 02 Traffic Signal Inventory Retainer Contract: LA 39, LA 46 & LA 47 Corridor Improvements (28 intersections):** Performed traffic counts and traffic controller downloads.
09/14 – 01/18	**District 02 Traffic Signal Inventory Retainer Contract, LA 39, LA 46 & LA 3021 Corridor Improvements (26 intersections):** Performed traffic counts and traffic controller downloads.
09/14 – 01/18	**District 02 Traffic Signal Inventory Retainer Contract: I–610, I–10, US 90 & LA 3021 Corridor Improvements (17 intersections)** (4400004829 Task Order H.011649.5) Performed traffic counts and traffic controller downloads.
09/14 – 01/18	**District 02 Traffic Signal Inventory Retainer Contract: US 90, US 61 & LA 611–9 Corridor Improvements (20 intersections):** Performed traffic counts and traffic controller downloads.
09/14 – 01/18	**District 02 Traffic Signal Inventory Retainer Contract: US 61 & LA 3154 Corridor Improvements (23 intersections)**: Performed traffic counts and traffic controller downloads.
08/14 – 08/17	**Retainer Contract for Traffic Signal Engineering, US 80 Traffic Control Signal Upgrades**: Provided signal design plans and signal timing plans at 20 intersections along US 80 in Shreveport, LA. Performed traffic counts and traffic controller downloads.
07/14 – 12/14	**Baton Rouge Computerized Signalization Phase VA**: Phase VA included 23 intersections, performed construction inspection in support of the City of Baton Rouge computerized traffic signal synchronization system. Performed construction inspection as the Resident Project Representative.

12/14 – 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02: US 11, Slidell, LA (16 intersections)**: Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14 – 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02: LA 3040/LA 20/LA 57, Houma/Thibodaux (25 intersections)**: Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14 – 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02, LA 44, Gonzales, LA (10 intersections)**: Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14 – 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02, LA 19, Baker, LA (10 intersections)**: Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14– 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02, US 425, Vidalia/Ferriday, LA (11 intersections)**: Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
12/14 – 05/15	**Retainer for Signal Timing Studies Districts 61, 62 & 02, LA 3124/LA 60/LA 10/LA 16, Bogalusa, Amite, Franklinton, Kentwood, Amite, LA (32 intersections)**: Developed an Initial Data Collection Report, a Final Data Collection Report, a Recommended Signal Timing Report with new TSI's, and for implementing the recommended signal timings in the field. Performed traffic counts and traffic controller downloads.
Career History	Lonny joined Neel–Schaffer in 2013 and has nearly 20 years of experience as a technician and resident project representative. He has provided construction inspection services and traffic counts and traffic controller downloads for a wide variety of projects, including intersection improvements and traffic studies.
Certifications	ATTSA – Traffic Control Supervisor ATSSA – Registered Flagger IMSA/FOA Certified Fiber Optic Technician IMSA – Work Zone Temporary Traffic Control Technician IMSA – Traffic Signal Inspector Level 1 IMSA – Traffic Signal Design/Engineering Level II IMSA – Traffic Signal Senior Field Technician Level III.

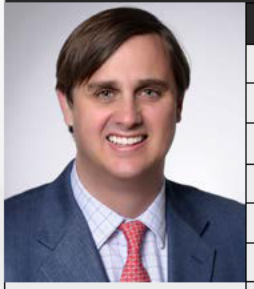
16. STAFF EXPERIENCE

Firm employed by Vectura Consulting Services, LLC					
Name	**Sheelagh Brin Ferlito, PE, PTOE**			Years of experience with this firm/employer	9
Title	Supervisor-Eng			Years of experience with other firm(s)/employer(s)	27
Degree(s) / Years / Specialization			B.S. / 1988 / Civil Engineer		
Active registration number / state / expiration date			PE. 0025383 / LA 09/30/2025; PTOE No. 932 / 09/09/2027		
Year registered	1993	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic and Safety Analysis **MPR 6**		

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 - current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)** Brin is the task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.
07/19 – current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP (Belle Chasse, LA)** Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by DOTD.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA)** Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17-04/18	**US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA** Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.

08/15-05/17	**Enhancing Guidance for Evacuation Time Estimate Studies (Nuclear Regulatory Commission Rockville, MD)** Brin conducted an applied research study of U.S. Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies" in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the "large" population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over 8 hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.
04/14 – 12/14	**H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project (Baton Rouge, LA)** As the project engineer, Brin was in responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	**EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA)** Brin was the Project Resident Engineer on behalf of EBR for performing CE&I services for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08-09/09	**SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA)** Brin was the Project Resident Engineer for DOTD and EBR to perform CE&I services for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
09/13 – 04/14	**S.P. 700-99-0477 Jefferson Hwy. Signal Design (Baton Rouge, LA)** Ms. Ferlito designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	**Airline Hwy Widening SPN 700-99-0332 (Baton Rouge, LA)** Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	**EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172 (Baton Rouge, LA)** Brin was the project engineer for the design of 66 signalized intersections on eight arterials in Baton Rouge which included traffic data collection, traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

16. STAFF EXPERIENCE



Firm employed by Vectura Consulting Services, LLC					
Name	**Laurence Lucius Lambert, II, PE, PTOE, PTP**			Years of experience with this firm/employer	9
Title	Supervisor-Eng			Years of experience with other firm(s)/employer(s)	18
Degree(s) / Years / Specialization			B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010		
Active registration number / state / expiration date			PE. 0029901 / LA / 3/31/2026; PTOE No. 1303 / 02/03/2028		
Year registered	2000	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic and Safety Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
12/23 – 08/24	**H.972501.1 South Range Road Operations Study Stage 0 Feasibility Study (Tangipahoa Parish, LA)** Laurence was the Principal in Charge for a Stage 0 for the Regional Planning Commission (RPC) to evaluate operating conditions of the S. Range Road corridor that included the intersection with Old Covington Highway. The corridor study included traffic data collection, pedestrian / bicycle counts, safety analysis, existing conditions analysis and alternative analysis. The results were summarized in a Stage 0 report.
05/23 – 05/24	**US 190B/Fremaux Ave Sidewalk Feasibility Study (Slidell, LA)** As a subconsultant to Richard C. Lambert Consultants, LLC, Laurence was the principal in charge for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.
02/21 – 02/22	**St Charles Land Use Update (St Charles, LA)** As a subconsultant, Laurence was the lead transport engineer for the land use update plan for the parish of St Charles. The project consisted of identifying existing conditions, public participation / visioning, existing condition analysis, scenario development, and implementation.
01/22 – 04/22	**Estates of Silver Hill Residential Development (Tangipahoa, LA)** Laurence was the lead transportation engineer for a traffic impact study for a private development in the study area. The project scope included 7-day tube counts, turning movement counts, existing conditions analysis, trip generation / distribution, and build analysis. The traffic study was reviewed and approved by Tangipahoa Parish. The project limits included Havery Lavigne Road at Firetower Rd, Mike Cooper Rd at Harvey Lavigne Rd, Harvey Lavigne Rd at Salt Grass Dr, and Firetower Rd at Fayette Ln.
09/20-04/21	**MOVEBR LA 67 (Plank Road) Enhancement Project (Baton Rouge, LA)** Laurence was the project manager to enhance transit, bicycle, and pedestrian mobility on Plank Road that required both City-Parish and DOTD approval. Laurence evaluated the proposed pedestrian crossings on LA 67 using the DOTD Traffic Engineering Manual pedestrian warrants found in Section 3B.2. Laurence also developed traffic operations evaluation of the traffic study which included traffic signal timing evaluations.
02/19 – 07/19	**Fairhope Residential Development (Tangipahoa, LA)** Laurence was the lead transportation engineer for a traffic impact study for a private development in the study area. The project scope included 7-day tube counts, turning movement counts, existing conditions analysis, trip generation / distribution, build analysis. The traffic study was reviewed and approved by DOTD. The project limits included LA 445 at I-12 westbound ramp, I-12 eastbound ramp and LA 22.
10/17-10/18	**H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA)** Laurence was the lead transportation engineer for a Corridor Planning Study for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. Laurence collected AM & PM peak vehicle turning movement counts as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to develop growth rates and design year volumes. Laurence then performed Highway Capacity Manual analysis for 5 intersections along the intersection analyses for the signalized and roundabout controlled alternatives. Included in the study was a safety analyses of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.

02/17-10/17	**Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA)** Laurence performed a Stage 0 Feasibility Study for Roundabouts at 4 intersections in Mandeville area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual (TEM) Section 20.2. Laurence, along with Brin, collected 7-day, 24-hour counts w/ Classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Once the traffic data was collected, Laurence performed traffic signal warrants analyses, performed a Sidra unsignalized, signalized, and roundabout analyses for years 2020 and 2040, AM & PM peak hours. Laurence developed a report that captured all the results.
01/17-07/17	**Minnesota Park Road Improvements Traffic Study (Tangipahoa Parish, LA)** Laurence was the task leader for a traffic data collection and intersection analyses of a Stage 0 Feasibility study for Minnesota Park Road in Hammond, LA. Laurence utilized Sidra software to perform a roundabout alternative. The DOTD procedures for utilizing Sidra were followed for this project.
09/16 - 04/17	**H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA)** Laurence was the lead traffic engineer for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM traffic simulation model of the preferred alternative.
10/15 – 02/16	**Landings Reserve Residential Development (Tangipahoa, LA)** Laurence was the lead transportation engineer for a traffic impact study for a private development in the study area. The project scope included 7-day tube counts, turning movement counts, existing conditions analysis, trip generation / distribution, and build analysis. The traffic study was reviewed and approved by DOTD. The project limits included LA 445 at I-12 westbound ramp, I-12 eastbound ramp and LA 22.
03/10-09/10	**Downtown Baton Rouge Greenway (Baton Rouge, LA)** Laurence was the lead transportation engineer of a feasibility and cost study for integration of a new transportation infrastructure greenway into the existing layout of urban streets in and around Downtown Baton Rouge that included North Boulevard. The purpose of the greenway was to enhance bicycle and pedestrian users in the downtown area. Amenities proposed included way finding signage, path delineation by use of benches, bicycle racks, etc., lighting and landscape elements.
03/10 - 11/11	**S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector (Shreveport, LA)** This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the Stage 0, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
04/04 - 12/04	**I-10 Frontage Roads, Picardy Interchange, Bluebonnet Siegen (Baton Rouge, LA)** Laurence provided the traffic analysis for a highly unique reconfiguration of interstate ramps that included frontage roads and an overpass of I-10 for new an interchange at Picardy. HCS and VISSIM were the primary analysis tools for the analysis. As part of the design team that developed the concept for this project, Laurence performed feasibility studies, developed design criteria, and coordinated with city, state and federal agencies for approvals as well as gathered public input. Laurence prepared traffic signal timings and designs that included cost estimates for the project.
04/04 - 09/06	**Stage 0 I-10 at Pecue Lane Interchange Justification Study (Baton Rouge, LA)** Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

16. STAFF EXPERIENCE

Firm employed by Vectura Consulting Services, LLC					
Name	**Kristen Farrington, PE, PTOE, RSP1**			Years of experience with this firm/employer	3
Title	Supervisor-Eng			Years of experience with other firm(s)/employer(s)	7
Degree(s) / Years / Specialization			B.S./2014/Civil Engineer		
Active registration number / state / expiration date			PE.0042785 / LA / 3/31/2025; PTOE No. 4863		
Year registered	2017	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Traffic and Safety Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
12/23 – current	**H.972501.1 South Range Road Stage 0 (Tangipahoa Parish, LA)** Kristen was the project manager for a Stage 0 project to improve operations on South Range Road. The project included data collection, existing conditions analysis, safety analysis, and alternatives development.
05/23 – 05/24	**US 190B/Fremaux Ave Sidewalk Feasibility Study (Slidell, LA)** As a subconsultant to Richard C. Lambert Consultants, LLC, Laurence was the project manager for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.
04/22 – 11/23	**H.013267 Capital Area Pathways Project (Baton Rouge, LA)** Kristen is the lead designer for four pedestrian hybrid beacons (PHB's) with two crossings located on state routes. The locations were approved in a previous study and are now under design for construction. Kristen is working closely with the City and DOTD on the construction plan development as PHB's are a new traffic control device for DOTD. Prior to the design of the PHB's, Kristen prepared a traffic study evaluating all six uncontrolled crosswalks along the path, which included data collection and determining the appropriate treatment for each crossing location based on FHWA, DOTD and MUTCD guidance.
09/17 – 09/18	**H.011160 LA 73 Corridor Study Stage 0 (LA 74 to LA 621) (Ascension Parish)** Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
04/18 – 04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish)** Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the DOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps.
04/19 – 6/21	**H.013817.1 A 117 Improvements Stage 0 (Vernon and Natchitoches Parishes)** Kristen served as project engineer responsible for a Stage 0 study for 18 miles of two-lane highway. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project.

03/19 – 11/19	**H.012311 LA 429 Connector Stage 0 (Ascension Parish, LA)** Kristen was the task leader for the preparation of a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 - 3/21	**H.013322 LA 3040 Feasibility / Safety Study Stage 0 (Houma, LA)** Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as unmet demand observations and calculations. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 – 04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish, LA)** Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17 – 09/18	**H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621 (Ascension Parish, LA)** Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 – 07/17	**H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment** Kristen was the project engineer responsible for assisting with the site visits, data organization, analysis of permanent alternatives and traffic control alternatives, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

16. STAFF EXPERIENCE

Firm employed by Local Impact Analytics, LLC				
Name	**Alex Pickle**		Years of experience with this firm/employer	9
Title	Econimist / Co-founder		Years of experience with other firm(s)/employer(s)	3
Degree(s) / Years / Specialization		Master of Science / 2013 / Economic Development Bachelor of Interdisciplinary Studies / 2012 / Economics & Sociology		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Discretionary Grant Programs		

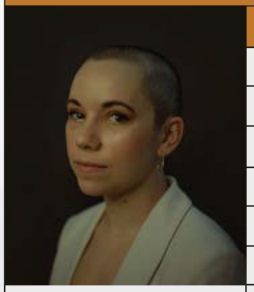
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/18-current	**City of Hattiesburg, MS – Multiple Projects:** Benefit-Cost Analysis, Socioeconomic and demographic research, federal funding expertise and grant writing and application management for BUILD, INFRA, RAISE, CRISI, RCP, RCE, PROTECT, SS4A, DCIP, BIP, CFI, and EDA EAA.
08/18-12/18	**Alabama Department of Transportation (ALDOT) – I-85 Bridge Replacement:** Benefit-Cost Analysis and grant writing support for CHBP grant application.
05/21-11/22	**Port Bienville Port and Harbor Commission:** Port Bienville Railroad Multimodal Expansion - Benefit-Cost Analysis, socioeconomic and demographic research, federal funding expertise, grant writing, and application management for BUILD, CRISI, and INFRA grant applications.
05/21-current	**Port of Rosedale – Port Conveyor Rehabilitation & Great River Railroad Restoration:** Benefit-Cost Analysis, socioeconomic and demographic research, federal funding expertise, grant writing, and application management for RAISE, CRISI, PIDP, and MPDG grant applications.
01/23-06/23	**City of Hoover, AL – I-459 Ross Bridge Parkway Extension Interchange:** Benefit-Cost Analysis, and grant application management for RAISE and MPDG grant applications.
05/22-06/24	**Port Caddo-Bossier – I-69 Connector:** Benefit-Cost Analysis, socioeconomic and demographic research, federal funding expertise and grant writing and application man-agement for MPDG grant applications.
05/22-current	**Puerto Rico Department of Housing – HUD-MIT Grant Funding Implementation:** serves as Subject Matter Expert (SME) and advises on Benefit-Cost Analysis prepara-tion and evaluation for "Covered Projects" exceeding $100M in total cost.
12/23-current	**Mississippi Department of Transportation (MDOT):** 18 Total Projects – Benefit-Cost Analysis, grant writing, and application management for RAISE, BUILD, RCP, MPDG, and CHBP grant applications.

16. STAFF EXPERIENCE

Firm employed by Local Impact Analytics, LLC					
Name	**Joshua Sullivan**			Years of experience with this firm/employer	9
Title	Senior Project Manager / Co-founder			Years of experience with other firm(s)/employer(s)	1
Degree(s) / Years / Specialization			Master of Science / 2016 / Economic Development Bachelor of Arts / 2012 / Mass Communication		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Discretionary Grant Programs		

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).
06/18-current	**City of Hattiesburg, MS – Multiple Projects:** Benefit-Cost Analysis, Socioeconomic and demographic research, federal funding expertise and grant writing and application management for BUILD, INFRA, RAISE, CRISI, RCP, RCE, PROTECT, SS4A, DCIP, BIP, CFI, and EDA EAA.
02/20-08/20	**Mississippi Department of Transportation (MDOT) - Roy Cumbest and Merril Bridge Rehabilitations:** Benefit Cost Analysis and federal funding expertise for BUILD and INFRA grant applications.
05/20-04/23	**City of Laurel, MS – Sawmill Road Rehabilitation/The Leontyne Price Blueprint:** Benefit-Cost Analysis, Socioeconomic and demographic research, federal funding exper-tise and grant writing and application management for BUILD, RAISE, and MPDG grant applications.
05/21-current	**Port of Rosedale – Port Conveyor Rehabilitation & Great River Railroad Restoration:** Benefit-Cost Analysis, socioeconomic and demographic research, federal funding expertise, grant writing, and application management for RAISE, CRISI, PIDP, and MPDG grant applications.
01/23-01/25	**Forrest County, MS – Leaf River Active Transportation Network:** Benefit-Cost Analysis, and grant application management for RAISE, BUILD, and RCP grant applications.
05/22-06/24	**Port Caddo-Bossier – I-69 Connector:** Benefit-Cost Analysis, socioeconomic and demographic research, federal funding expertise and grant writing and application man-agement for MPDG grant applications.
05/22-current	**Puerto Rico Department of Housing – HUD-MIT Grant Funding Implementation:** serves as Subject Matter Expert (SME) and advises on Benefit-Cost Analysis prepara-tion and evaluation for "Covered Projects" exceeding $100M in total cost.
12/23-current	**Mississippi Department of Transportation (MDOT):** 18 Total Projects – Benefit-Cost Analysis, grant writing, and application management for RAISE, BUILD, RCP, MPDG, and CHBP grant applications.

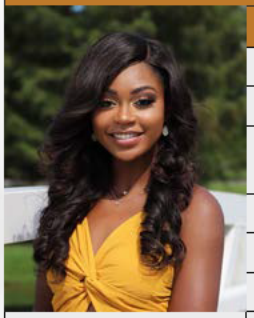
16. STAFF EXPERIENCE



Firm employed by Local Impact Analytics, LLC					
Name	**Madelyn Roberts**			Years of experience with this firm/employer	3
Title	Director of Project Delivery / Graphic Designer			Years of experience with other firm(s)/employer(s)	7
Degree(s) / Years / Specialization			Bachelor of Fine Arts / 2014 / Graphic Design		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Discretionary Grant Programs		

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).
06/18-current	**City of Hattiesburg, MS – Multiple Projects:** Document design for all final deliverables, internal scheduling & coordination, project management for BUILD, INFRA, RAISE, CRISI, RCP, RCE, PROTECT, SS4A, BIP, CFI, and EDA EAA.
01/23-06/23	**City of Hoover, AL – I-459 Ross Bridge Parkway Extension Interchange:** Document design for all final deliverables, internal scheduling & coordination, project manage-ment for RAISE and MPDG grant applications.
07/22-04/23	**City of Laurel, MS – Sawmill Road Rehabilitation/The Leontyne Price Blueprint:** Document design for all final deliverables, internal scheduling & coordination, project management for BUILD, RAISE, and MPDG grant applications
05/21-current	**Port of Rosedale – Port Conveyor Rehabilitation & Great River Railroad Restoration:** Document design for all final deliverables, internal scheduling & coordination, project management for RAISE, CRISI, PIDP, and MPDG grant applications
01/23-01/25	**Forrest County, MS – Leaf River Active Transportation Network:** Document design for all final deliverables, internal scheduling & coordination, project management for RAISE, BUILD, and RCP grant applications.
07/22-06/24	**Port Caddo-Bossier – I-69 Connector:** Document design for all final deliverables, internal scheduling & coordination, project management for MPDG grant applications.
11/22-02/24	**City of Natchez, MS – Forks to Freedom Corridor:** Document design for all final deliverables, internal scheduling & coordination, project management for RAISE grant applications.
12/23-current	**Mississippi Department of Transportation (MDOT):** 18 Total Projects – Document design for all final deliverables, internal scheduling & coordination, project management for RAISE, BUILD, RCP, MPDG, and CHBP grant applications.

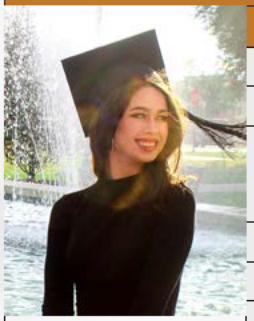
16. STAFF EXPERIENCE



Firm employed by Local Impact Analytics, LLC					
Name	**A'Miracle Fagan**			Years of experience with this firm/employer	3
Title	Project Manager/Grant Writer			Years of experience with other firm(s)/employer(s)	1
Degree(s) / Years / Specialization			BSBA / 2021 / Finance Master of Science / 2022 / Economic Development		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Discretionary Grant Programs		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/22-06/24	**Port Caddo-Bossier – I-69 Connector:** Socioeconomic research, GIS Mapping, demographic research, and grant narrative writing for MPDG applications.
07/22-04/23	**City of Laurel, MS – Sawmill Road Rehabilitation/The Leontyne Price Blueprint:** Socioeconomic research, GIS Mapping, demographic research, and grant narrative writing for BUILD, RAISE, and MPDG grant applications.
01/23 - 01/25	**Forrest County, MS – Leaf River Active Transportation Network:** Socioeconomic research, demographic research, GIS mapping, and grant narrative writing for RAISE, BUILD, and RCP grant applications
11/22-02/24	**City of Natchez, MS – Forks to Freedom Corridor:** Socioeconomic research, GIS Mapping, demographic research, and grant narrative writing for RAISE grant applications.
11/22-02/25	**Marion County, MS – Bridging the Pearl River Gap:** Socioeconomic research, GIS Mapping, demographic research, and grant narrative writing for RAISE and BUILD grant applications
05/24-current	**City of Bessemer, AL – Bessemer Rails to Trails:** Socioeconomic research, GIS Mapping, demographic research, and grant narrative writing for BUILD grant application
12/23-current	**Mississippi Department of Transportation (MDOT):** 18 Total Projects – Document design for all final deliverables, internal scheduling & coordination, project management for RAISE, BUILD, RCP, MPDG, and CHBP grant applications.

16. STAFF EXPERIENCE



Firm employed by Local Impact Analytics, LLC

Name	**Kathleen Tullis**	Years of experience with this firm/employer	3
Title	Benefit-Cost Analyst/Economist/Grant Writer	Years of experience with other firm(s)/employer(s)	0

Degree(s) / Years / Specialization	Bachelor of Arts / 2021 / Economics Bachelor of Science / 2021 / Finance Master of Urban and Regional Planning (MURP) / 2025 (planned)
Active registration number / state / expiration date	N/A
Year registered: N/A — Discipline	N/A
Contract role(s) / brief description of responsibilities	Discretionary Grant Programs

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/22-06/24	**Port Caddo-Bossier – I-69 Connector:** Benefit-Cost Analysis, GIS Mapping, socioeconomic research, and grant narrative writing for MPDG applications.
07/22-current	**Port of Rosedale – Port Conveyor Rehabilitation & Great River Railroad Restoration:** Benefit-Cost Analysis, GIS Mapping, socioeconomic research, and grant narrative writing for RAISE, CRISI, PIDP, and MPDG grant applications.
01/23-01/25	**Forrest County, MS – Leaf River Active Transportation Network:** Benefit-Cost Analysis, GIS Mapping, socioeconomic research, and grant narrative writing for RAISE, BUILD, and RCP grant applications.
11/22-02/24	**City of Natchez, MS – Forks to Freedom Corridor:** Benefit-Cost Analysis, GIS Mapping, socioeconomic research, and grant narrative writing for RAISE grant applications.
08/24-02/25	**City of Cleveland, MS – Downtown Cleveland Revitalization:** Benefit-Cost Analysis, GIS Mapping, socioeconomic research, and grant narrative writing for BUILD grant application.
05/24-current	**City of Lima, OH – Union Street Mobility Enhancement:** Benefit-Cost Analysis, GIS Mapping, socioeconomic research, and grant narrative writing for BUILD grant application.
12/23-current	**Mississippi Department of Transportation (MDOT) – 18 Total Projects:** Benefit-Cost Analysis, GIS Mapping, socioeconomic research, and grant narrative writing for RAISE, BUILD, RCP, MPDG, and CHBP grant applications.

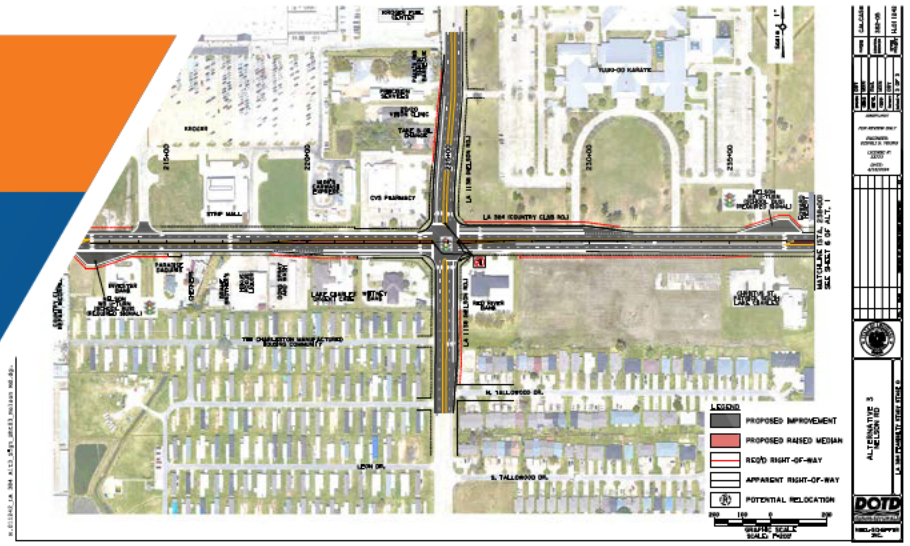
Neel-Schaffer has a long history of providing various services to DOTD through retainer / IDIQ type contracts. Since 2004, we have been selected by DOTD for the following retainer / IDIQ contracts to perform traffic engineering, safety, Stage 0, and ITS services. These selections prove a strong and successful partnership between DOTD and NSI.

700-99-0332	Retainer Contract for Traffic Signal Study and Design (2004-2010)
700-99-0447	Retainer Contract for Traffic Signal Study and Design (2009 – 2013)
4400000691	Retainer Contract for Signal Timing Studies, Districts 61, 62 & 02 (2010-2014)
4400001777	Retainer Contract for Signal Timing Studies, Statewide (2010 – 2014)
4400001583	Retainer Contract for Safety Studies, Statewide (2012 – 2015)
4400002630	Retainer Contract for Traffic Engineering (2012-2015)
4400004064	Retainer Contract for Traffic Engineering (2014 – 2017)
4400004402	Retainer Contract for Safety Studies, Statewide (2014 – 2017)
4400004712	Retainer Contract for Traffic Signal Engineering (2014 – 2017)
4400004829	Retainer Contract for District 02 Traffic Signal Inventory (2014 – 2017)
4400004909	**Retainer Contract for Stage 0 Studies, Statewide (2014 – 2017)**
4400008851	Retainer Contract for Traffic Signal Engineering (2016 – 2019)
4400010504	Retainer Contract for Safety Studies, Statewide (2017 – 2022)
4400013850	IDIQ Contract for Design of Safety Projects, Districts 02, 61 & 62 (2019 – 2024)
4400015258	**IDIQ Contract for Stage 0 Studies (2019 – 2024)**
4400016364	IDIQ Contract for ITS Design and Implementation Services, Statewide (2020 - 2025)
4400023689	IDIQ Contract for Safety Studies, Statewide (2022 – 2027)
4400024927	IDIQ Contracts for Roadway Design Services (2023 – 2028)
4400025298	IDIQ Contracts for Traffic Engineering

Section 17

Contract No. 4400030714 and 4400030715

IDIQ CONTRACT FOR STAGE 0 STUDIES STATEWIDE



17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Disciplines(s)*	Road, Planning, Traffic, Environmental
Project name	**IDIQ for Stage 0 Studies – Statewide**	Firm responsibility (prime or sub?)	Prime
Project number	H.4400018271	Owner's name	LADOTD
Project location	Statewide	Owner's Project Manager	Dilton Anderson, PE
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; 225-379-1461; Dilton.Anderson@la.gov		
Services commenced by this firm (mm/yy)	05/19	Total consultant contract cost ($1,000's)	$2,500
Services completed by this firm (mm/yy)	05/24	Cost of consultant services provided by this firm ($1,000's)	$2.500

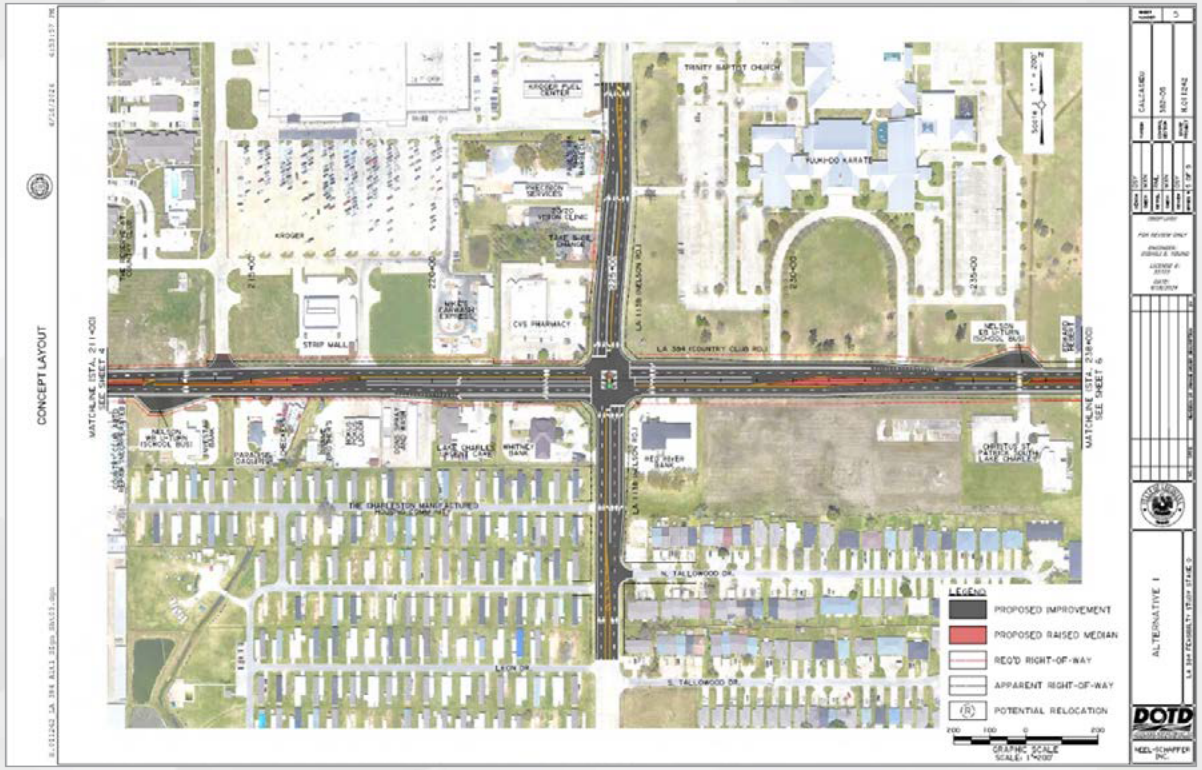
Neel-Schaffer, Inc. (NSI) was selected for the IDIQ contract with DOTD to conduct Stage 0 **Feasibility Studies**. These Stage 0 Feasibility Studies include preparing the project purpose and need as well as completing the Stage 0 Preliminary Scope and Budget Checklist; and DOTD's Environmental Checklist. 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. NSI conducted public and stakeholder meetings.

Neel-Schaffer has experience on the following Stage 0 Studies for the DOTD under this task order contract:

The task orders under this project are as follows:

1. I-69 Frontage Road (Ellerbe Road to LA 1) (SPN. H.014054);
2. I-69 Frontage Road (Stonewall Frierson) (SPN. H.014056);
3. LA 10 Improvements in Bogalusa (Phase 3) (SPN. H.011280);
4. Earhart Expressway Masterplan (SPN. H.014514);
5. LA 384 (Big Lake Road to McNeese Street) (SPN. H.011242);
6. LA 383 Corridor Study (SPN. 014746). See project profiles for more details.

Firm members: Dishili Young, Mai Nguyen, Chance Shuckrow, Nick Ferlito, Ellen Howard, Jonathan Duhe, Katie Odenthal, Santosh Andem, Chuck LeBoeuf. Vectura Consulting Services, LLC was also a sub consultant on this contract.



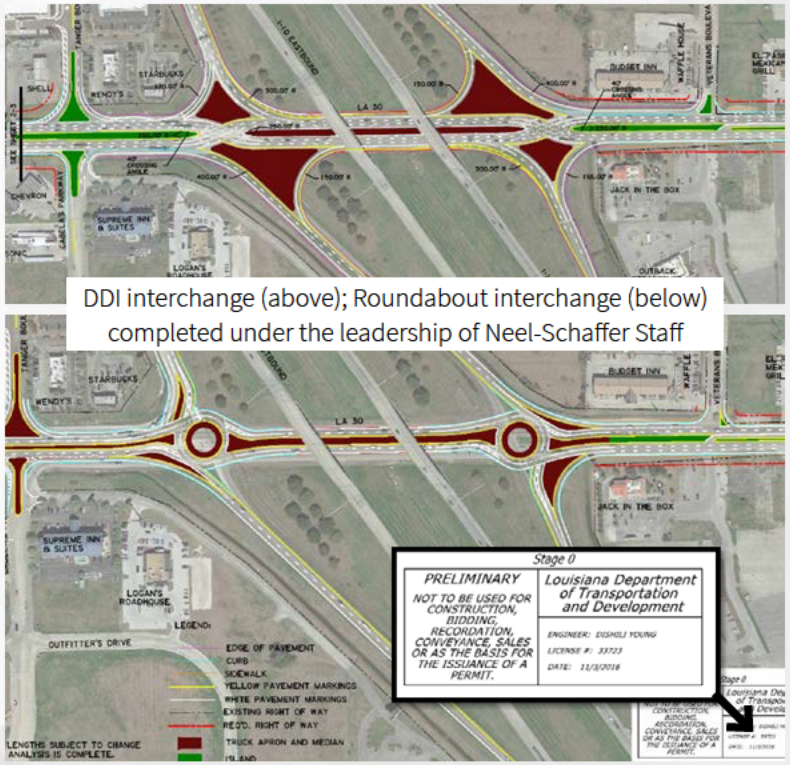
Project Relevance:

- ✓ Safety Analysis
- ✓ Plan Quality Assurance
- ✓ Includes Safety Improvements
- ✓ Feasibility Study
- ✓ Traffic Analysis / Modeling

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Disciplines(s)*	Road, Planning, Traffic, Environmental
Project name	**IDIQ for Stage 0 Studies – Statewide**	Firm responsibility (prime or sub?)	Sub
Project number	Contract No: 4400001862	Owner's name	LADOTD
Project location	Baton Rouge, 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)	03/13	Total consultant contract cost ($1,000's)	$5,000
Services completed by this firm (mm/yy)	03/15	Cost of consultant services provided by this firm ($1,000's)	$700

Neel-Schaffer, Inc. (NSI) was selected for the IDIQ contract as a sub-consultant, while current NSI employees (Dishili Young, Kara Moree and Steve Perault) worked for the prime consultant. NSI provided supporting studies for the purpose and need, completed the traffic study, and safety study, completed the alternative analysis, participated in public and stakeholder outreach activities. NSI assisted with evaluating the alternative impacts and assisted with potions of the stage 0 report. Dishili Young served as project manager for these projects, Kara Moore environmental manager and Steve Perault was the lead CAD Designer. Items completed by Dishili Young, Kara Moree and Steve Perault included preparing the project purpose and need as well as completing the Stage 0 Report, Public and Stakeholder Outreach, Stage 0 Preliminary Scope and Budget Checklist; Environmental checklist, geometric layouts, cost estimate, conducting stakeholders and public meetings. Concepts presented were evaluated based on engineering, environmental, right of way acquisition, utility relocation and construction. Neel-Schaffer has experience on the following Stage 0 Studies for DOTD under this task order contract:



DDI interchange (above); Roundabout interchange (below) completed under the leadership of Neel-Schaffer Staff

- **LA 30: LA 3251 (Ashland Road) to LA 44 Stage 0 Feasibility Study** – this project considered 20 interchange concepts as part of the Tier 1 analysis, and three corridor alternatives (roundabouts, J-turns and signals) for Tier 2. Images show interchange concept layouts completed under the leadership of Dishili Young.
- **LA 64 Mobility Improvements Stage 0 Feasibility Study** examined the feasibility of improving the mobility of LA 64 from the Amite River Bridge to LA 16. Three corridor studies were developed including multilane roundabout intersections and RCUT's. Each include widening LA 64.
- **LA 70 Bypass Stage 0 Feasibility Study** examined the feasibility of creating a temporary emergency bypass and a new permanent alternative route for traffic along LA 70 in Assumption Parish, LA. This project was the result of the formation of the Bayou Corne Sinkhole caused by the collapse of an underground salt cavern. The Detour Route would be quickly constructed in the event LA 70 was undermined by the sinkhole. The study included approximately 6 miles of bridges which would be constructed along the Bypass Routes using end-on construction to reduce the direct impacts to wetlands. Coordination between agencies and pipeline owners were critical to the successful completion of this project. Due to the emergency element, the horizontal design and construction costs for the Stage 0 were completed to a degree of accuracy similar to preliminary plans with the intent that the roadway could be quickly constructed with minimum additional design effort.
- **I-110 NB Ramp at Capitol Access Road Stage 0 Feasibility Study** examined the feasibility of improving the mobility of the I-110 NB Ramp at Capitol Access Road by either eliminating the northbound on-ramp, or improving the existing infrastructure by lengthening the existing weaving section.

Firm members: Nick Ferlito, Ellen Howard, Dishili Young, Kara Moree, Vijay Kunda.

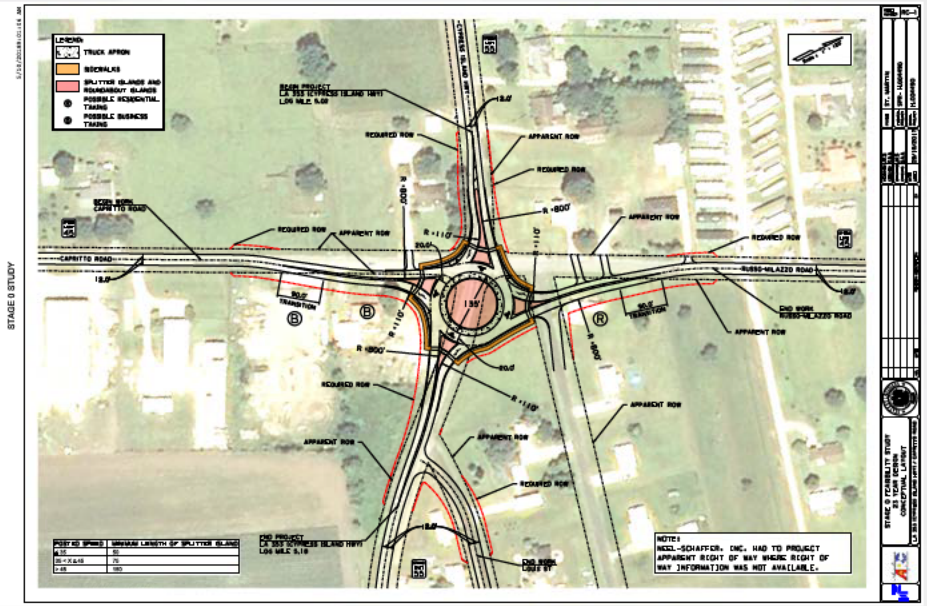
17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Disciplines(s)*	Road, Planning Traffic Environmental
Project name	**Stage 0 Feasibility Studies of Modern Roundabouts**	Firm responsibility (prime or sub?)	Prime
Project number	H.04490	Owner's name	Lafayette Consolidated Government
Project location	Lafayette Metropolitan Area (Retainer)	Owner's Project Manager	Mike Hollier, AICP
Owner's address, phone, email	P.O. Box 4017-C, Lafayette, LA 70502, Phone: 337-291-8016, Email: mhollier@LafayetteLA.gov		
Services commenced by this firm (mm/yy)	12/14	Total consultant contract cost ($1,000's)	$600
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$600

Neel-Schaffer, Inc. is currently serving as a consultant to provide Engineering Services necessary to conduct Stage 0 Feasibility Studies for roundabout projects within the Lafayette Metropolitan Area as task orders are given by the LCG. **Work to date include 23 Stage 0 studies for roundabouts completed in conformance with the DOTD Stage 0 Manual**. Engineering and environmental services provided in these Stage 0 studies supporting roundabout geometry intersections include the following components:

- Preparation of Stage 0 Scope and Budget Checklists
- Preparation of Stage 0 Environmental Checklists
- Traffic counting (data collection)
- Trip Generation and Forecasting
- Modeling
- Traffic Analysis
- Purpose and Need
- Preparation of Traffic and Safety Reports
- Engineering Geometry and Costs

Firm members: Vijay Kunada (Project Manager), Santosh Andem (Traffic Engineer), Scott Andrepont (Roadway Design Engineer), Dishili Young (Roadway Design Engineer Manager), Barry Brupbacher (Environmental Manager).



Project Relevance:

- ✓ Stage 0 Report,
- ✓ Scope, Budget, and Environmental Checklist,
- ✓ Concept layouts,
- ✓ Traffic and Safety studies
- ✓ Cost estimates

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Disciplines(s)*	Road, Planning, Traffic, Environmental
Project name	**IDIQ for Safety Studies (includes Stage 0's)**	Firm responsibility (prime or sub?)	Prime
Project number	Contract No: 4400023689	Owner's name	Road, Planning, Traffic, Environmental
Project location	Baton Rouge, LA	Owner's Project Manager	Adriane McRae, P.E.
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1950; Adriane.mcrae@la.gov.		
Services commenced by this firm (mm/yy)	06/22	Total consultant contract cost ($1,000's)	$1,500
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,500

Neel-Schaffer, Inc. (NSI) was selected as prime consultant for the IDIQ contract which includes Stage 0 Studies. As part of this contract NSI completed tasks similar to those included in the IDIQ Stage 0 Feasibility Studie IDIQ contracts. NSI completed the traffic and safety analysis, geometric layouts, cost estimates, alternative comparison matrix, Stage 0 report, Stage 0 scope and budget checklist, Stage 0 Environmental checklist. Each project provides safety and mobility improvements for the following Task Order projects:

- **US 80 at Bellevue Road Stage 0 (Haughton, LA)** - provides improvements along US 80 from Red Chute Bayou to past Mid S. Loop in Red Chute, Bossier Parish. Project considered two alternatives: RCUT and Turn Lanes to improve safety at the intersection of US 80 and Bellevue Rd.
- **LA 16 Stage 0 (Natchitoches, LA)** – provides improvements along LA 6 from west of I-49 to LA 3278. Three alternatives were considered; Signalized, RCUT, and roundabouts.
- **LA 385 Stage 0 (Lake Charles, LA)** – provides improvements along LA 385 from LA 3186 (McNeese Street) to Eddy Street and along LA 3186 (McNeese Street) from LA 385 (Ryan Street) to Common Street. Project includes 20 intersections along LA 385 and 17 intersections along LA 3186. Considered four alternatives: roundabout, three lane roadway (converts 4 lane section the 3 lane), couplets, and roadway realignment.
- **US 167 : I-10 to Willow Street RSA Stage 0** – provides improvements for LA 3186 (McNeese Street) from LA 385 (Ryan Street) to Common Street with an emphasis on pedestrian and bicycle safety.

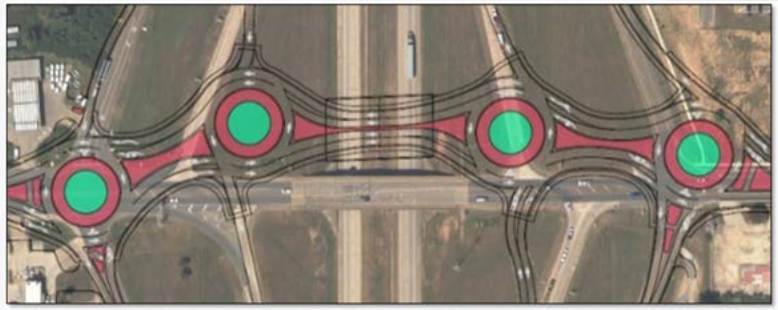
Project Relevance:

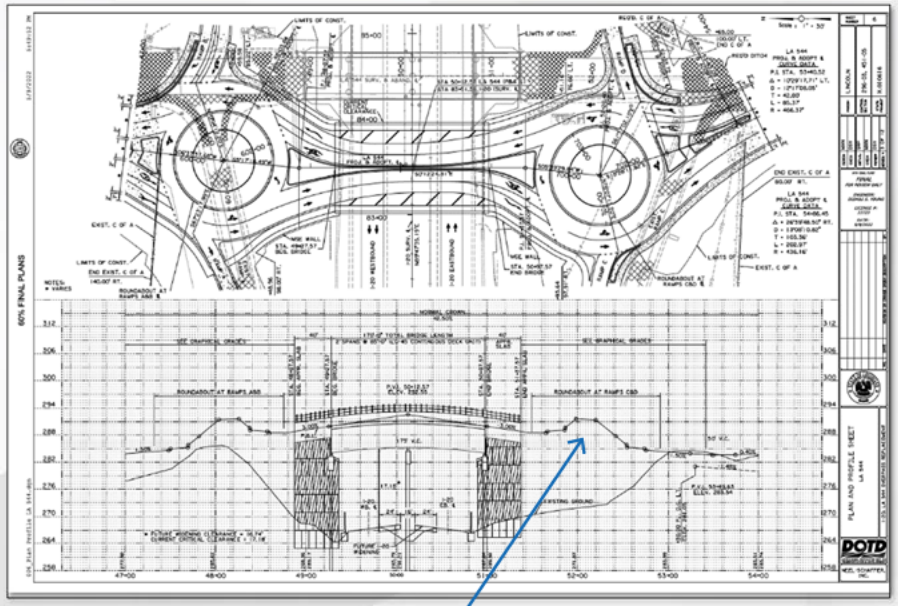
- ✓ Includes Stage 0 Report
- ✓ Includes Scope and Budget Checklist
- ✓ Includes Environmental Checklist
- ✓ Includes geometric layouts
- ✓ Includes cost estimates
- ✓ Includes Public Meetings

17. FIRM EXPERIENCE

Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Disciplines(s)*	Road, Traffic
Project name	**I-20: LA 544 Overpass Replacement**	Firm responsibility (prime or sub?)	Prime
Project number	H.010616	Owner's name	LADOTD
Project location	Lincoln Parish, LA	Owner's Project Manager	Jacob Fusilier, P.E., PMP
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1185; Jacob.fusilier@la.gov		
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost ($1,000's)	$858
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$858

Neel-Schaffer is currently working on the 95% final plans for this project. NSI is responsible for providing the **geometric layout**, preliminary and final roadway plans, **traffic** control design QA/QC, TMP QA/QC, Sequence of Construction, hydraulic analysis and design, frontage roadways and MOT which maintains access to prosperities during construction. This project will replace the LA 544 Overpass diamond interchange with a roundabout diamond interchange. The project includes a new bridge over I-20, roadway improvements to I-20 and the ramps, roadway widening (from 2 to 4 lanes), sidewalks and four multilane roundabouts. The 4 roundabouts will be constructed with locations as follows: on LA 544 at the I-20 entrance/exit ramp intersections and on LA 544 at its intersections with the frontage roads (Woodward Avenue & S. Service Road). The bridge design and retaining wall design will be completed by DOTD.





Design includes Roundabouts on 3% grade

Challenges:

1. Large grade changes required along ramps without impacts to the gores.
2. Structural design by DOTD while roadway design is completed by consultants.

Solutions:

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

Firm members: Dishili Young, Mai Nguyen, Chance Shuckrow, Scott Andrepont, Josh Schexnider, Nick Ferlito, Jonathan Duhe, and Jacob Thiaville

17. FIRM EXPERIENCE

Firm Name	**Vectura Consulting Services, LLC**	Past Performance Evaluation Disciplines(s)*	Traffic
Project name	**Stage 0 Feasibility Study – US 190/Fremaux Avenue Sidewalk Study**	Firm responsibility (prime or sub?)	Sub
Project number	H.972462.1	Owner's name	New Orleans Regional Planning Commission
Project location	Slidell, LA	Owner's Project Manager	Nelson Hollings
Owner's address, phone, email	10 Veterans Boulevard, New Orleans, LA 70124; 504-483-8523; nhollings@norpc.org		
Services commenced by this firm (mm/yy)	12/23	Total consultant contract cost ($1,000's)	$ 65
Services completed by this firm (mm/yy)	07/24	Cost of consultant services provided by this firm ($1,000's)	$ 30

Vectura prepared a formal traffic study to determine the feasibility of constructing a sidewalk along US 190 in Slidell, LA. The traffic study examined concepts that improved the safety and efficiency for bicyclists and pedestrians consistent with the latest DOTD policies related to access management and complete streets.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- Seven-day (mainlines) and two-day (side streets) 24-hour tube counts with vehicle classification
- Seven-day pedestrian counts
- Turning movement counts for morning and evening peak periods
- 15-minute driveway counts
- Traffic signal warrants, radar speed studies and sight distance evaluation
- Developed growth rate methodology and AM and PM peak forecast traffic volumes using TransCAD data

Task 2 Traffic Study

This task included the following elements:

- Performed Synchro analyses for existing conditions
- Performed Synchro analyses for implementation and design years
- Developed draft traffic study report

Task 3 Safety Analyses

- Developed three-year crash analyses report as per DOTD standards

Personnel Utilized on this project: Kristen Farrington, Gustavo Clavijo, Cade Nelson, Brin Ferlito and Laurence Lambert (100% performed in Louisiana)

17. FIRM EXPERIENCE

Firm Name	**Vectura Consulting Services, LLC**	Past Performance Evaluation Disciplines(s)*	Traffic
Project name	**I-20: LA 544 Overpass Replacement**	Firm responsibility (prime or sub?)	Sub
Project number	H.010616	Owner's name	DOTD
Project location	Baton Rouge, LA	Owner's Project Manager	Jacob Fusilier
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1185, Jacob.Fusilier@la.gov		
Services commenced by this firm (mm/yy)	04/23	Total consultant contract cost ($1,000's)	Unkown
Services completed by this firm (mm/yy)	10/23	Cost of consultant services provided by this firm ($1,000's)	$ 131,973

Vectura performed a Level 2 **Traffic Management Plan** (TMP) that included the following activities:

- Preliminary and final traffic studies
- Temporary and final traffic signal plans
- Traffic Management Plan (TMP)
  - safety strategy that included a CAT Scan,
  - LOS determination utilizing Citrix data,
  - lane closure recommendations based on a queue analysis,
  - cost estimate,
  - and public information strategies.

Personnel Utilized on this project: Laurence Lambert, Brin Ferlito, & Kristen Farrington (100% performed in Louisiana)

17. FIRM EXPERIENCE

Firm Name	**Vectura Consulting Services, LLC**	Past Performance Evaluation Disciplines(s)*	Traffic
Project name	**I-10 ITS Scott to Lake Charles**	Firm responsibility (prime or sub?)	sub
Project number	H.013256.5	Owner's name	DOTD
Project location	I-10 (District 07)	Owner's Project Manager	Roy Esteven, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-2527, Roy.Esteven@LA.gov		
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost ($1,000's)	Unkown
Services completed by this firm (mm/yy)	03/21	Cost of consultant services provided by this firm ($1,000's)	$ 20,162

Vectura performed a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included the following activities:

- safety strategy that included a CAT Scan,
- LOS determination utilizing Citrix data,
- lane closure recommendations based on a queue analysis,
- cost estimate,
- and public information strategies.

Personnel Utilized on this project: Laurence Lambert, Brin Ferlito, & Kristen Farrington (100% performed in Louisiana)

Applicable for this project {Required (✓)}	Level 2 TMP Components	Stage 0	Stage 1	Stage 3		Workflow Notes
				Preliminary 60% Submittal	Final 90% Submittal	
	Analysis	**Percent Complete**				
	• Detour Analysis	100%				①
	• Queue Analysis according to EDSMVI.1.1.4	100%				①
	Documentation	**Percent Complete**				
✓	• TTC Details			50%	100%	⑦
	• TTC Plan (based on type and location of construction)			50%	100%	⑦
	• Mitigation (if the current roadway is LOS F)	60%	100%			④
	• Mitigation (if the roadway is on the Abnormal Crash Location list)	60%	100%			④
	• Evacuation Strategy (if used as an evacuation route)	100%				④
	• Work Restrictions	20%	50%	70%	100%	④
✓	• Basic Public Information release at the District level			60%	100%	⑧

17. FIRM EXPERIENCE

Firm Name	**Local Impact Analytics, LLC**	Past Performance Evaluation Disciplines(s)*	Other (Discretionary Grant Programs)
Project name	**Hattiesburg Downtown Railroad Innovation Project**	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	City of Hattiesburg
Project location	Hattiesburg, MS	Owner's Project Manager	Marybeth Bergin
Owner's address, phone, email	200 Forrest Street, Hattiesburg, MS 39401 - (601) 545-4501 - mayor@hattiesburgms.com		
Services commenced by this firm (mm/yy)	06/18	Total consultant contract cost ($1,000's)	$52.7
Services completed by this firm (mm/yy)	05/24	Cost of consultant services provided by this firm ($1,000's)	$52.7

Local Impact Analytics (LIA) was retained by the City of Hattiesburg as part of the project team to support their Downtown Railroad Innovation project. The project consisted of the following: overpasses at the Canadian National and Norfolk Southern Railroads along Hall Avenue; a new switching track near the Norfolk Southern Railyard; a roundabout at the intersection of Hall Avenue, James Street, and Bay Street; multiple extensions on Hall Avenue; a wireless train detection system and dynamic message signs; and various pedestrian infrastructure and roadway improvements on Hall Avenue. Once completed, the project will be the first grade-separate route through the area and will significantly reduce travel delays and safety risks associated with blocked crossings in Downtown Hattiesburg.

Alex Pickle and Josh Sullivan served as the leads for LIA on this project. Madelyn Roberts was responsible for the design/layout and quality assurance for final deliverables. LIA was primarily responsible for writing the grant narrative, performing the benefit-cost analysis (BCA), and submitting the completed project applications for the project. As part of the grant narrative writing process, LIA utilized ArcGIS, ESRI Community Analyst, and USDOT mapping tools to perform socioeconomic and demographic analyses for the project area. These analyses allowed us to determine which populations would benefit from the project and to what degree of benefits these populations would receive. Various data sources and analysis methods were employed to validate the project's impacts as relevant to each program's unique merit criteria. A BCA was performed for each submission and required an analysis of travel time savings, vehicle miles traveled, vehicle operating costs, emissions reduction, safety outcomes, state of good repair, residual value of the assets, and travel time reliability in compliance with the U.S. Department of Transportation's BCA Guidance for fiscal years 2018-2024. LIA also served as the project manager for these applications and coordinated the efforts of city leadership and its engineering partner relating to the submission of each grant application.

The project was submitted for multiple discretionary federal funding programs including the BUILD grant program (2018, 2019, and 2020), the CRISI grant program (2019), and the INFRA grant program (2020). LIA's efforts included a grant narrative, comprehensive benefit-cost analysis technical memo, and benefit-cost analysis calculations (in Excel format) for each grant submission. The project received approximately $18M in total federal funding from awards made under CRISI 2019 and BUILD 2020, as well as an additional $3M under FY2023 CDS appropriations. The major phases of the project completed construction in March 2025.

17. FIRM EXPERIENCE

Firm Name	**Local Impact Analytics, LLC**	Past Performance Evaluation Disciplines(s)*	Other (Discretionary Grant Programs)
Project name	**I-69 Connector**	Firm responsibility (prime or sub?)	sub
Project number	N/A	Owner's name	Caddo-Bossier Port Commission
Project location	Shreveport, LA	Owner's Project Manager	Tyler Comeaux
Owner's address, phone, email	6000 Doug Attaway Blvd, Shreveport, LA 71115, 318-524-2276, TylerC@portcb.com		
Services commenced by this firm (mm/yy)	06/22	Total consultant contract cost ($1,000's)	$73.2
Services completed by this firm (mm/yy)	06/24	Cost of consultant services provided by this firm ($1,000's)	$73.2

Local Impact Analytics (LIA) was retained by Neel-Schaffer, Inc. and the Caddo-Bossier Port Commission as part of the project team to support their I-69 Connector project. The project will make improvements to Stonewall Frierson Road, Robson, and Ellerbe Road to connect to the newly constructed roadway that would eventually serve as the I-69 Corridor Frontage Road. Improvements include extending the roadways, replacing two bridges, and constructing a new bridge.

Alex Pickle served as the lead for LIA on this project, with significant support from Josh Sullivan. A'Miracle Fagan provided grant writing and editing support, Madelyn Roberts was responsible for design and quality assurance for final deliverables, and Kathleen Tullis was the lead analyst for the project's Benefit-Cost Analysis. As a firm, LIA was primarily responsible for writing the grant narrative, performing the benefit-cost analysis (BCA), and organizing all application materials for submission by the port commission. As part of the grant narrative writing process, various data sources and analysis methods were employed to validate the project's impacts as relevant to each program's unique merit criteria. A BCA was performed for each submission and required an analysis of travel time savings, vehicle miles traveled, vehicle operating costs, emissions reduction, safety outcomes, state of good repair, and residual value of the assets in compliance with the U.S. Department of Transportation's BCA Guidance for fiscal years 2023-2024. LIA also assisted the project engineers at Neel-Schaffer with project management and data collection in reference to the application process.

The project was submitted for multiple rounds of the INFRA/MPDG discretionary federal grant program (2022, 2023, and 2024), and was ultimately awarded $22.6M in federal funding under the 2024 round (INFRA FY 2025 funds).

17. FIRM EXPERIENCE

Firm Name	**Local Impact Analytics, LLC**	Past Performance Evaluation Disciplines(s)*	Other (Discretionary Grant Programs)
Project name	**FY25-FY26 MPDG Grant Applications**	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Mississippi Department of Transportation (MDOT)
Project location	Hinds, Rankin, and Harrison Counties (MS)	Owner's Project Manager	Jessica Dilley
Owner's address, phone, email	401 N West St. Jackson, MS 39201, 601-359-7242, jdilley@mdot.ms.gov		
Services commenced by this firm (mm/yy)	01/24	Total consultant contract cost ($1,000's)	$133.7
Services completed by this firm (mm/yy)	06/24	Cost of consultant services provided by this firm ($1,000's)	$133.7

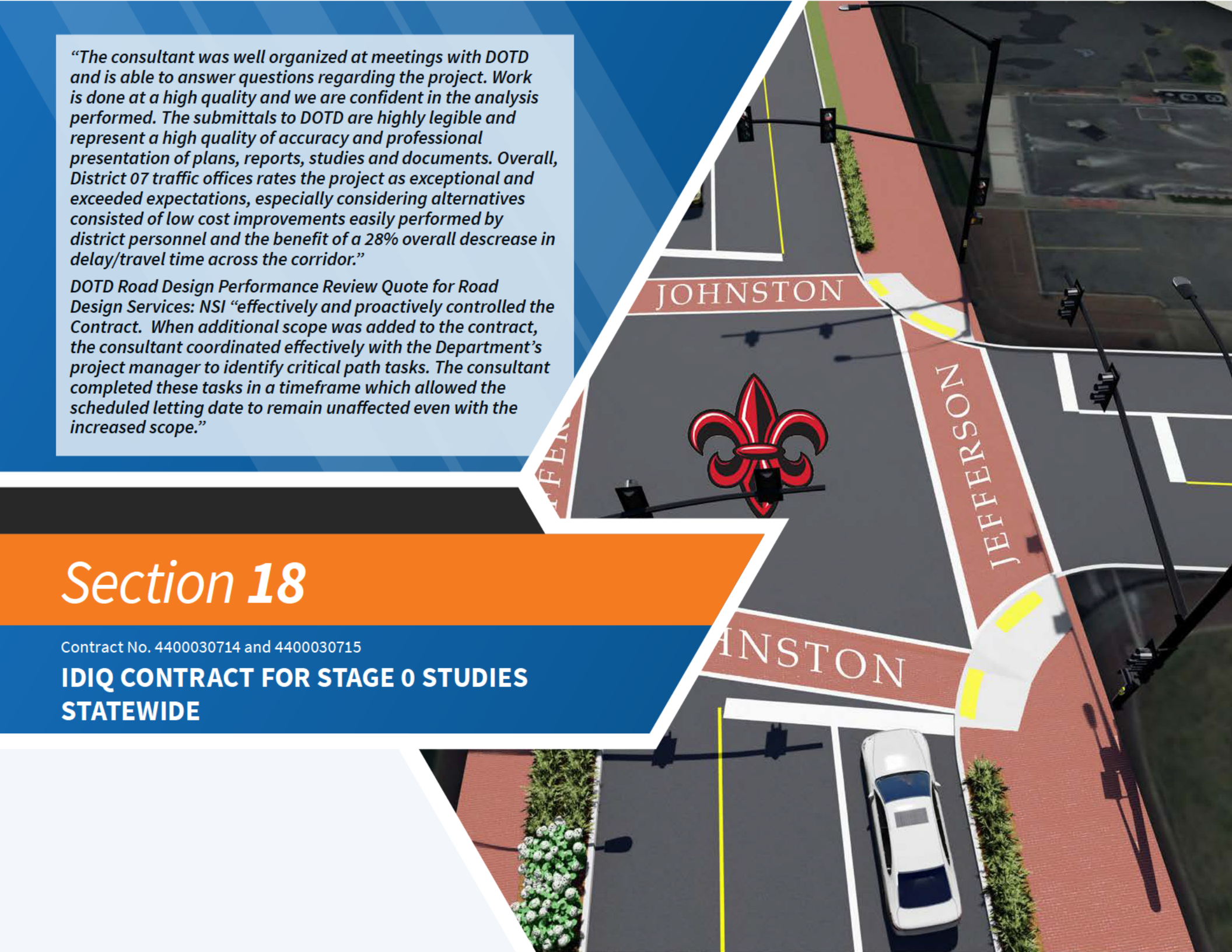
Local Impact Analytics (LIA) was retained by the Mississippi Department of Transportation (MDOT) to prepare and submit grant applications, including benefit-cost analyses, for five separate highway projects in response to the Notice of Funding Opportunity (NOFO) for the Multimodal Project Discretionary Grant, which included available funding through USDOT's INFRA, MEGA, and Rural Surface Transportation discretionary programs. The five application packages were substantially prepared and submitted over the course of approximately six weeks, although LIA had previously prepared a grant application and benefit-cost analysis for one of the projects for the RAISE FY 2024 round a few months earlier.

Josh Sullivan serves as the LIA-lead on projects with MDOT, and individual applications and responsibilities were delegated to the rest of the LIA team. Alex Pickle and Kathleen Tullis primarily focused on data collection and preparation of benefit-cost analyses. A'Miracle Fagan provided project narrative and editing support, while Madelyn Roberts was responsible for design and quality assurance for final deliverables. As a firm, LIA was primarily responsible for writing the grant narratives, performing the benefit-cost analysis (BCA), and organizing all application materials for submission by MDOT. As part of the grant narrative writing process, various data sources and analysis methods were employed to validate the project's impacts as relevant to each program's unique merit criteria. A BCA was performed for each submission and required an analysis of travel time savings, vehicle operating costs, vehicle miles traveled, emissions reduction, safety outcomes, state of good repair, and residual value of the assets in compliance with the U.S. Department of Transportation's BCA Guidance for fiscal year 2024. LIA also served as the project manager for these applications and coordinated data collection in reference to the application process.

Ultimately, two of these applications were awarded a combined $127.3M in federal funding: the "SR 67 Superstreet Corridor" and "Improvements to the I-20/I-55 Freight Corridor". The SR 67 Superstreet Corridor Project will upgrade SR 67 in Harrison County, MS, and will include a comprehensive redesign of 43 intersections and median turns along the route. This project on the I-20/I-55 Freight Corridor in Jackson, MS will update seven bridge structures to meet modern design standards, repair an additional 19 bridge structures, deploy Intelligent Transportation Systems (ITS) equipment, and resurface approximately 32 linear miles of interstate and highway.

"The consultant was well organized at meetings with DOTD and is able to answer questions regarding the project. Work is done at a high quality and we are confident in the analysis performed. The submittals to DOTD are highly legible and represent a high quality of accuracy and professional presentation of plans, reports, studies and documents. Overall, District 07 traffic offices rates the project as exceptional and exceeded expectations, especially considering alternatives consisted of low cost improvements easily performed by district personnel and the benefit of a 28% overall descrease in delay/travel time across the corridor."

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



Section **18**

Contract No. 4400030714 and 4400030715

IDIQ CONTRACT FOR STAGE 0 STUDIES STATEWIDE

18. APPROACH & METHODOLOGY:

40
Stage 0 Completed in 10 years

64
Parishes Served

650+
NSI has 650+ employees across the company.

50+
NSI has over 50 employees in Louisiana.

$330+
Million in Transportation Grants over 3 years.

BACKGROUND

The purpose of Stage 0 is to reach a decision regarding the project's feasibility and whether the project should continue further through the project delivery process. It is critical that the project team have proven experience in all the tasks required for the feasibility study to ensure that the decisions regarding a project's feasibility are made utilizing sound information. We have assembled a team of professionals who have already worked with us to complete these services for DOTD. In the sections which follow, we will highlight our understanding of the scope of work included in this contract, our past experience and our approach to completing this project.

The IDIQ Stage 0 Feasibility Study contracts can include Task Order projects which vary from simple intersection improvements to corridor studies with access management changes, and more complex projects such as Interstate interchanges. Some have minimum impacts and may fit within the existing right of way. Others may require relocations, have wetlands, hazardous materials, noise impacts and more. We have experience with Stage 0's at various complexity levels and will leverage this experience to help effectively advance each Task Order project.

Experience to meet DOTD's Needs: We offer comprehensive experience that includes the completion of each of the tasks included in this contract. **Over the last 10 years we have worked on over 40 Stage 0's/Feasibility Studies.** Included in that number are some of DOTD's more complex Stage 0 projects. Past Stage 0's completed by our team members have included end-on-bridge construction to reduce impacts to wetlands, and recommendations for use of geo-grid when it was a relatively unknown option for poor soil conditions. There is no limit to the services we are willing to preform to provide an effective Stage 0 study. Our team members, Dishili Young and Kara Moree, led the completion of groundbreaking environmental Stage 0 studies as part of H.010571 LA 70 Bypass Stage 0 Study. For example, as part of this project the environmental professionals invented a method for determining what is the required safe buffer distance between the roadway and well vents used to remove potentially hazardous chemicals from the Bayou Corne Sinkhole in Assumption Parish. We have selected professionals with meaningful experience completing Stage 1 and Stage 3 projects for DOTD. This means we are fully capable of identifying what elements will impact a specific project's feasibility. These are elements which we have spent our professional careers addressing. We can identify them and address or propose mitigation for them, prior to the project's advancement.

DOTD Stage 0 PM Quote: NSI "is very familiar with the feasibility study process. They have done a good job in communication with DOTD and other stakeholders." They "managed the project very effectively. The consultant worked very closely with the DOTD project manager in every step of the process and has always kept good communication with DOTD and other stakeholders"

Sometimes a possible showstopper can be related to its impact on stakeholders. This is when outreach becomes critical. One example of a more complex project completed by our team with outreach activities is H.010572 LA 30 Stage 0 Study (NSI was a sub, while Dishili Young and Kara worked for the prime consultant). It was completed using a Tiered approach. Tier 1: Approximately 20 interchange alternatives were developed and evaluated for the LA 30 @ I-10 interchange by our team members Dishili Young, Nick Ferlito, Ellen Howard and Kara Moree. Tier 2: It was determined that three interchanges and corridor alternatives (DDI, Roundabout and Signalized interchanges) would be developed into concept layouts (vertical and horizontal alignments were designed). There were many stakeholders and even more concerns. Recognizing the importance of community support, our team members conducted 15 stakeholder meetings and 2 public meetings to present these concepts. We evaluated the concerns of the City of Gonzalas, St. Elizabeth Hospital, Tanger Outlet Mall, various other businesses and the public. We refined the alternatives to address these concerns. Three of many concerns which our team helped resolved are highlighted in the Context Sensitive Solutions section of this approach. We also completed a calibrated VISSIM model of the interchange alternatives and an implementation plan to allow for short-term, mid-term and long-term improvements, which provided improvements to the public as funding became available. The concepts completed by our team were carried forward to design utilizing the geometry developed by our team members as part of this study.

The keys to the successful completion of Stage 0 projects include the following: Understanding of Showstoppers, Effective Avoidance, Accurate estimation of costs and impacts, and Context Sensitive Solutions.

Understanding of Showstoppers: S.P. No. H.010571, LA 70 Bypass Stage 0 Feasibility Study, was led by team members Dishili Young and Kara Moree. Due to the large number of pipelines in this area, Ms. Young and Ms. Moree recommended a utility relocation survey be conducted on this alignment, which is typically completed during Stage 3. However, DOTD agreed to their recommendations, and it determined that the estimated utility relocation costs were significant for the original alignment identified by DOTD for the study.

Effective Avoidance: Dishili Young led the design of a second alignment and presented it to DOTD without solicitation. They saved **4 million dollars in utility relocation costs**. This provided an opportunity for DOTD to make a more informed decision about which alternative would advance.

Accurate estimation of costs and impacts: Our construction cost estimates will utilize current DOTD standard bid items and the DOTD's Bid history estimate tool (considering project location and scale) to reduce impacts of unstable, escalating construction costs. Our wetland mitigation costs (when required) will be taken from actual mitigation banks within the appropriate service area, instead of just approximated costs. We will utilize right of way costs based on properties which are currently on the market or recently sold near the project site, with DOTD Real Estate approval.

Context Sensitive Solutions - Example LA 30 Stage 0: Context Sensitive Solutions (CSS) is a collaborative, interdisciplinary approach that involves all stakeholders to provide a transportation facility that fits its physical setting and preserves scenic, aesthetic, historic and environmental resources, while maintaining safety and mobility. This approach is utilized for all of our Stage 0 Studies.

- **Challenge:** Louisiana Motor Transport Association (LMTA) voiced concerns about truck access that threatened the project's ability to advance. **Solution:** Our team members

18. APPROACH & METHODOLOGY:

Dishili Young and Kara Moree, met with them multiple times to understand the issue and created a special auto-turn template based on LMTA specifications. The template was run on the geometry to ensure that the movements for trucks could be accommodated.

- **Challenge:** Stakeholders were concerned that there would be too many trucks along LA 30 near the Tanger Outlet Mall. **Solution:** Alternative Truck access - team members Nick Ferlito and Ellen Howard evaluated a bypass roadway (LA 429 Connector) which would provide a high-speed industrial access away from the Outlet Mall.
- **Challenge:** Emergency Vehicle access required across LA 30 raised median to St. Elizabeth Hospital. **Solution:** Dishili Young and Kara Moree met with various Hospital Administration to hear and understand their concerns and provided design details with a lower curb height at the emergency entrance removing impacts to emergency operations/access.

APPROACH AND METHODOLOGY

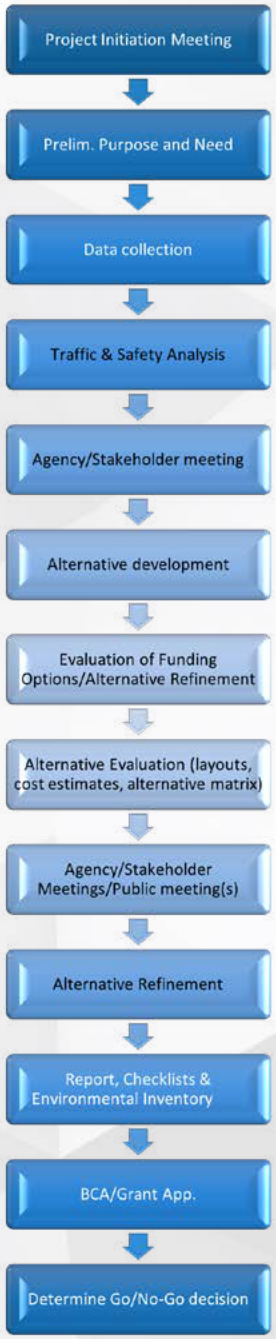
Our team will conduct Stage 0 feasibility studies and prepare studies/checklists as requested by DOTD's Planning Section. In the sections that follow, we have outlined an all-inclusive approach to completing the project, which is ideal for complex Stage 0 project types. NSI understands that the complexity of task order projects varies and will remove tasks as needed based on the project complexity. NSI routinely prepares Stage 0 Studies in conformance with applicable requirements. **We have worked on over 40 Stage 0 projects with traffic/safety improvements and have experience with Planning Environment Linkages (PEL)'s from FHWA.** Our team members Kara Moree and Maria Reid successfully utilized the **PEL for H.013284: Mississippi River Bridge South GBR: LA 1 to LA 30 Connector.**

Our services will be provided in accordance with the Stage 0: Manual of Standard Practices and our activities will be in conformance with NEPA.

Project Initiation Meeting: NSI will attend and help conduct the project initiation meeting. At the meeting we will collect information about the project, the project background, communication protocols, project scope and the schedule and preliminary purpose and need will be discussed.

Data Collection: We will obtain, organize, and review the **engineering data** required to prepare the studies/checklists. It may include but is not limited to the following items: Existing highway plans (as-builts); proposed developments; TIS, traffic data, LIDAR topography; Utility information; Previous studies and reports; Map to identify project site; Aerial photography.

The **traffic data collection** tasks will include the collection of 7-day, 24 hour counts to identify the study peak periods; 48-hour approach counts along with peak period turning movement counts with unmet demand and observations will also be collected to determine the study peak hours. Additional data collection will include geometric reviews of existing conditions using aerial photography, speed studies and travel time runs (if required).



Outreach Activities: We will compile a list of potential stakeholders, agencies, and residents/businesses along the corridor, for review and approval by the DOTD PM. When outreach activities are included in the scope, we will coordinate with stakeholders at the beginning of the study and throughout the duration of the study.

Traffic & Safety Analysis: We will conduct the Traffic and safety analysis to develop and support the preliminary purpose and need for the project. The purpose and need will be documented in detail in the feasibility study and the Stage 0 Preliminary Scope and Budget Checklist. If requested, we can also complete the PEL Checklist. Traffic analysis will be performed in accordance with DOTD's Traffic Engineering Process and Report (TEPR). Based on existing and no-build traffic analysis, a list of alternatives will be evaluated to improve operations. All traffic team staff has attended and passed the DOTD TEPR training course. The Safety Analysis will use the Louisiana Crash Tool to evaluate the latest 5 years of crash data to identify trends in crashes. Crash reports will be read and analyzed including a Quality Assurance methodology that reviews all Fatal and Severe crashes, all crashes with a collision manner of "Other", and all injury crashes that are over-represented per the analysis. For intersections, the quality assurance methodology will also include reviewing all crashes coded as not being at an intersection. The Pattern Recognition Analysis will be utilized to provide a safety comparison of all crashes, crashes with injuries and pattern recognition analysis overview. After determination of a trend or lack of one is established, a detailed crash analysis will be performed for the latest 1-year of typical data or 5-years of data as needed. Collision diagrams will be prepared as needed.

Based on the existing safety analysis, our team will develop a list of available countermeasures to be evaluated to reduce crashes. We will prepare safety analysis using the Highway Safety Manual predictive method, if applicable, and provide a quantitative comparison of safety for each alternative. We will use Predictive Method spreadsheets. Crash Modification Factors will be used if the predictive method is not applicable. **NSI developed a Countermeasure Evaluation Tool (CET) as part of the District Safety Implementation Plans for District 03, 05, 07 and 08.** This CET can be used in conjunction with the Louisiana Crash Tool to evaluate identified countermeasures when CMFs are being used. In addition, we can evaluate road safety improvement alternatives using the Interactive Highway Safety Design Model Software (IHSDM) as we have for other DOTD projects.

Alternative Development: Based on the existing traffic and safety analysis, NSI will develop a list of alternatives to be evaluated to improve mobility and reduce crashes. CAP-X and SPICE tools will be used to evaluate the alternatives at a high level. More detailed traffic analysis will

18. APPROACH & METHODOLOGY:

be performed using HCS/Sidra/Synchro and safety analysis will be evaluated based on approved Crash Modification Factors (CMF). Our team has experience using these programs for countless DOTD studies and we also have evaluated road safety improvement alternatives using the Interactive Highway Safety Design Model Software (IHSDM Software.

The Design criteria and typical section will be developed and submitted to DOTD for approval before moving forward with geometric layouts. We will provide geometric layouts developed for reasonable alternatives using aerial photography and DOTD's design standards. Our ***roadway engineering design*** will be completed in conformance with the latest requirements of the DOTD Roadway Design Procedures and Details, the DOTD Engineering Directives and Standards (EDSMs), the American Association of State Highway and Transportation Officials (AASHTO) Policy on Geometric Design of Highways and Streets, and AASHTO Roadside Design Guidelines. The geometric layouts will include the identification of constraints to assist with avoidance. If design exceptions and waivers cannot be avoided, they will be identified and the rationale for them will be detailed. We will coordinate with our team regarding any refinements (if any) which can be made to increase the project's success for eligibility for grant awards while keeping the overall project purpose.

The impacts of the proposed project on existing **drainage** systems/structures will be considered as well as any new drainage systems which may be required. Major drainage structure extensions, or new drainage structures for major water crossings will be shown on the concept layouts. When bridge structures are required, we will complete a **Stage 0 Structural Site Survey**. We will provide bridge typical sections, super structure and substructure type, existing bridge length and inspection report findings (if there is an existing bridge). We will provide the proposed bridge type, size and location. We will show the required bridges on our concept layouts and include them in the cost estimate. For existing bridges, we will evaluate the feasibility of bridge widening versus replacement. We will also determine if a bridge diversion structure is required or if detours are available along a State Route within an acceptable distance. Constructability concerns such as navigation, overhead obstructions, driveway access and noise will also be evaluated. We have already completed several of Stage 0 Structural Site Surveys for previous DOTD Stage 0's.

NSI will utilize a standard template of the proposed typical section to establish approximate right-of-way limits and area of disturbance for evaluation of impacts. We will obtain existing ROW information from as-builts, parcel maps and GIS files and when possible, provide improvements within existing ROW. When not possible we will complete refinements to reduce the impact of required ROW and determine the estimated cost associated with the required ROW. We will depict both the apparent right-of-way and the required right-of-way on the geometric layouts. The required right-of-way will consider constructability, phasing and will be created to minimize impacts, cost and with the goal of zero relocations.

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

Checklists and Report: Complete DOTD's Preliminary **Scope and Budget Checklist**. Define the project, background, existing facility, ADT, Land Use, team members, past and future projects/studies, document the project's purpose and need and any agency/stakeholder/public coordination activities completed. Meeting details will be provided such as agendas, sign-in sheets, and meeting notes. If a public meeting is held, the PowerPoint presentation along with photos of the meeting will be provided. The evaluation and screening process will be documented. If any alternatives are removed from consideration, the screening criteria and rationale utilized for their removal will be noted. Where applicable, alternatives will consider context sensitive solutions and access management. The requirements for the Traffic Management Plan will be defined as based on EDSM No. VI.1.1.8, with consideration for property access. A matrix will be provided which compares each alternative based on costs, utilities, real estate, environmental and anything that may rise up as a critical element during the feasibility study.

The Stage 0 **Environmental Inventory** includes a preliminary environmental review of the project to identify any and all project show-stopping issues or constraints that could potentially influence early determination of the project's feasibility, timing and cost. This includes researching and addressing each item on the Stage 0 Environmental Checklist. We will complete DOTD's Environmental Inventory and Checklist and include the results in the feasibility report. Analysis of each alternative, including the no-build, will be made to the extent practicable. Items to be considered include, but are not limited to social, economic, historic, cultural, recreational, archaeological, noise, air, wetlands, floodplains, endangered or threatened species and/or their habitat and farmland. The National Wetlands Inventory (NWI) Mapper will be utilized to identify possible wetlands along the project site. We will obtain an Environmental Data Resources, Inc. (EDR) report to identify and define Hazardous Materials sites, underground storage tanks, industrial sites, and other sensitive sites adjacent or near project limits. We will identify and define natural or man-made constraints to project development within the project's limits, using field reconnaissance and aerial photography. This task includes use of publicly available data sets and field review to locate community resources, utilities, and more. Analysis results and any information collected will be documented in a manner consistent with the requirements of the National Environmental Policy Act (NEPA). We will produce an Environmental Avoidance map which shows the proposed project in relation to environmental sites and refine the alternatives as needed to avoid impacts.

The purpose and need will be refined based on the findings of the feasibility study and supported by traffic, safety data and any other additional information which is gathered during the completion of the project. All checklists, actions taken during design analysis and screening, meeting notes, and other documents will be presented in the Stage 0 Report. In addition, NSI can prepare a PEL checklist consistent with 23 CFR 450 (Planning regulations) and other FHWA policy on Planning and Environmental Linkage (PEL) process, if directed by DOTD.

Discretionary Grant Programs: We will prepare and assemble grant applications for discretionary grant programs, including writing and formatting project narrative documents and developing benefit-cost analyses. Application materials will strictly align with the criteria and requirements established in the Notice of Funding Opportunity (NOFO) for a given grant program. We will assemble a list of funding programs and sources that would be

18. APPROACH & METHODOLOGY:

relevant for each Stage 0 Task Order project, as well as basic information for those programs to provide DOTD with sufficient details to coordinate and prioritize which funding programs should be pursued.

We have secured over $330 Million in transportation grants over just the last three years. In 2024, Neel-Schaffer and LIA secured $22 Million in grant funding for DOTD. These funds are helping to move I-69 Frontage Road forward from the Stage 0 project which Neel-Schaffer completed to Stage 1 and through Stage 3.

Benefit-Cost Analysis: We will prepare a benefit-cost analysis for each project that meets the format and content criteria for USDOT's grant programs as defined in the most recent version of USDOT's Benefit-Cost Analysis Guidance for Discretionary Grant Programs. We will use the crash data, traffic modeling and growth projections, and traffic studies to complete the Benefit-Cost Analysis. An analysis of monetized benefits and costs over a project's life cycle, both "with" and "without" the proposed Stage 0 improvements will be determined. Upfront project costs versus expected benefits such as travel time savings, fuel savings, environmental benefits, safety benefits, reduced maintenance costs, and other benefits as outlined in USDOT's Benefit-Cost Analysis Guidance for Discretionary Grant Programs will be considered.

Grant Application: We will write the project narrative, and incorporate the findings of the benefit-cost analysis for each proposed project. Our team will screen the proposed projects against the grant program's merit criteria, scoring rubric, eligible activities, and program focus areas, considering project readiness, funding sources, and long-term outcomes. Based on this review, we will develop a descriptive narrative to demonstrate each project's alignment with the merit criteria. Our team will help solicit and obtain endorsement letters from key public officials, private partners, and individuals with a stake in a project's implementation and success, as requested. At the request of DOTD, we can create and host project-specific websites with links that can be provided to USDOT reviewers to provide easy access to supporting documentation. We will assemble and prepare the information needed for each grant application package submission, including the Application for Federal Assistance (SF-424), Project Narrative, benefit-cost analysis documentation, endorsement letters from public and private partners, and all other required or supporting documents. After addressing all comments from DOTD's review, we will provide final documentation to DOTD organized to simplify submission through GRANTS.GOV (or any other federal application platform, such as ValidEval.

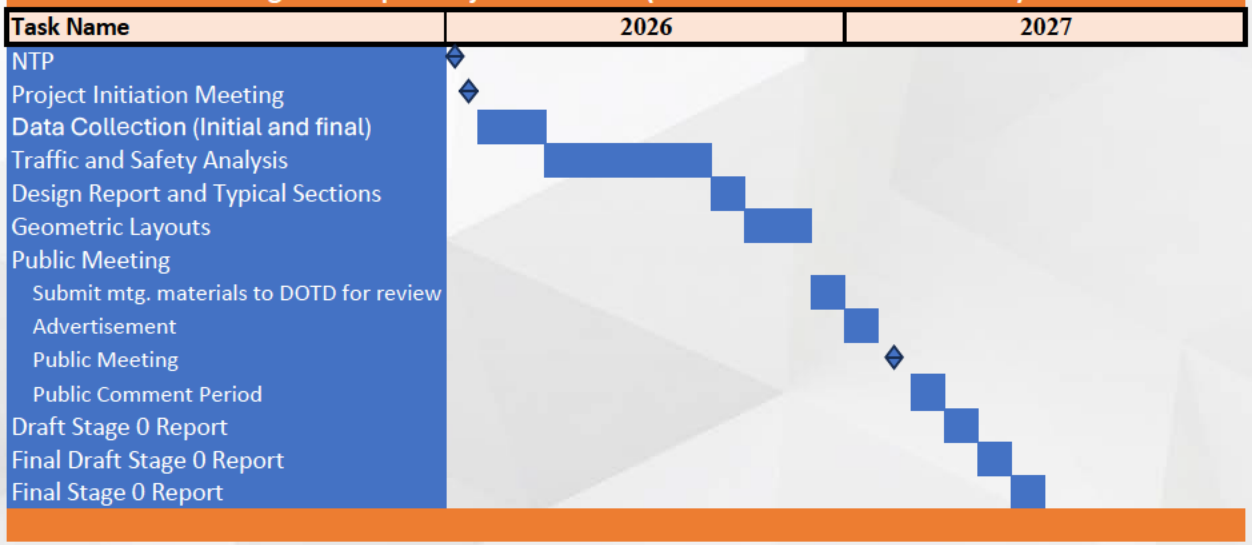
Quality Control and Quality Procedures: NSI has adopted an internal Quality Assurance Program Policy and Procedure Manual. Activities included with the services provided by NSI will be performed in accordance with the Quality Assurance Program (QA Program) fully integrated into the management and operation of the Company. For each phase of the project, prior to submittal, all deliverables will be reviewed by a qualified NSI personnel 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.

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

Project Overview: NSI will provide a detailed summary of the scope of work to be performed for each task order. The task orders will include the services described in the advertisement. We have included Vectura Consulting Services, LLC (VCS) to ensure we have the bench strength to meet the potential needs of DOTD.

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

Stage 0 Sample Project Schedule (excludes DOTD review times)



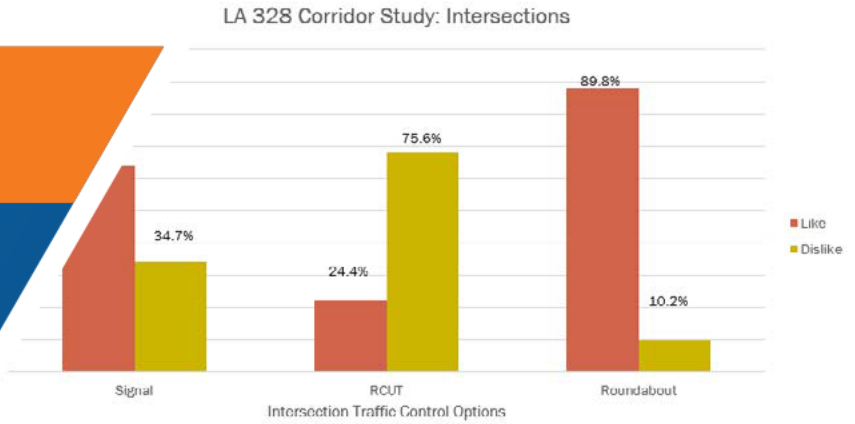
Roundabout STOP Stop Control Traffic Signal

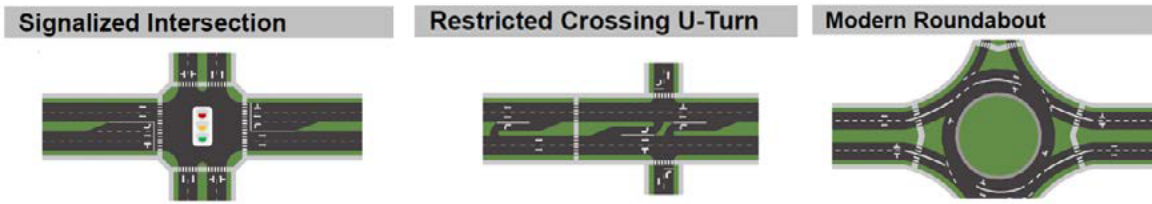
Section 19

Contract No. 4400030714 and 4400030715

IDIQ CONTRACT FOR STAGE 0 STUDIES STATEWIDE

We conduct public outreach with methods that allow us to quantify the results. For example our LA 328 Stage 0 study which showed the public different intersection types (top image) and they voted on which they favored. This was presented in tables (lower image) in the report.





19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Neel-Schaffer, Inc.	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	$47,790
	ITS	4400010428 EWL 3, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	$805
	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	$85,032
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	$26,300
	ITS	440005459, H.004780.5	Kansas Lane Connector, S.A. #6	$5,234
	ITS	4400016364, H.013256.6	I-10 ITS Scott to Lake Charles Technical Support Services During Construction	N/A
	ITS	4400016364, H.011504.5	Alexandria ITS Phase 2	N/A
	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	$138,585
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study (on hold and should not count as backlog)	$13,195
	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study (on hold and should not count as backlog)	$59,915
	Planning	4400018271, H.014746.1	LA 383 Corridor Study (on hold and should not count as backlog)	$94,106
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	$7,638
	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	$37,151
	Road	4400024927, H.015226.5	US 90: Roundabout at LA 101	$76,146
	Traffic	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	$243,256
	Traffic	4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	$77,783
	Road	4400025299, H.016168.1	Baton Rouge Northern Bypass Expressway	$641,816
	Traffic	4400024927, H.014366.5	LA 621 Realignment at LA 73	$337,398
	Traffic	4400024927, H.014366.5	LA 621 Realignment at LA 73	$71,101
	Planning	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	$43,813
	Road	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	$5,318

19. WORKLOAD:

Firm(s)	Past Performance Evaluation Discipline(s)*	Contract Number & State Project Number	Project Name	Remaining Unpaid Balance**
Neel-Schaffer, Inc.	Road	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet (awaiting NTP for design and should not count as backlog)	$91,133
	Traffic	4400024927, H.009425.5	LA 16: N 2nd St. to E. of Duncan Ave.	$159,175
	Road	4400025299, H.015986.5	I-49 at LA 3233 (Harry Gilbeau Road) Traffic Study	$109,566
	Traffic	4400028434, H.015568.5	LA 44: Pelican Point Roundabout and Widen	$153,864
	Traffic	4400023689, H.015574.5	LCG FYA Signal Improvements Phase 2	$299,434
Vectura Consulting Services, LLC	Traffic	4400017293 H.010616	I-20: LA 544 Overpass Replacement	$74,429
	Traffic	4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	$59,571
	CE&I/OV	4400020018 H.007160	EBR Computerized Traffic Signal, Ph VB	$66,032
	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$11,202
	Traffic	4400021519 H.012030.5	KCS RR Overpasses HBI	$572
	Traffic	4400023075 H.013522	S. Lewis Street Widening	$7,499
	ITS	4400017922 H.012845.1	C/AV Team and Working Group Support	$6,820
	Traffic	4400025299 H.01564.5	LA 47 Hayne Blvd Safety Improvements	$17,303
	Traffic	4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	$20,146
	ITS	4400016364 H.014511.1	Houma Regional ITS Architecture Update	$10,746
	Traffic	4400025299 H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	$265,766
	Traffic	4400026913 H.013421.5	East Street & Parkview Drive Sidewalks	$12,818
Local Impact Analytics, LLC	Other (Discretionary Grant Program)	N/A	N/A	N/A

20. CERTIFICATIONS/LICENSES:

Certificate of Completion

presented to

Nick Ferlito

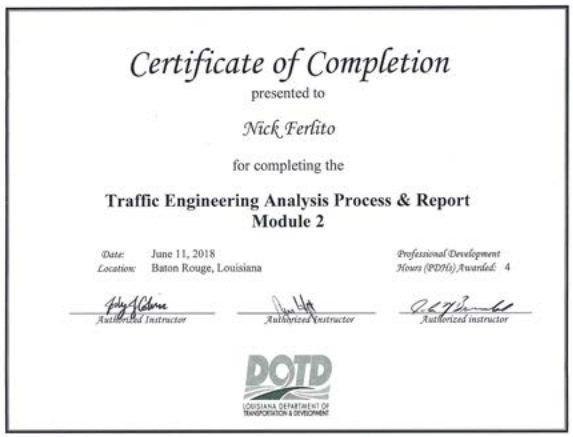
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Nick Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Nick Ferlito

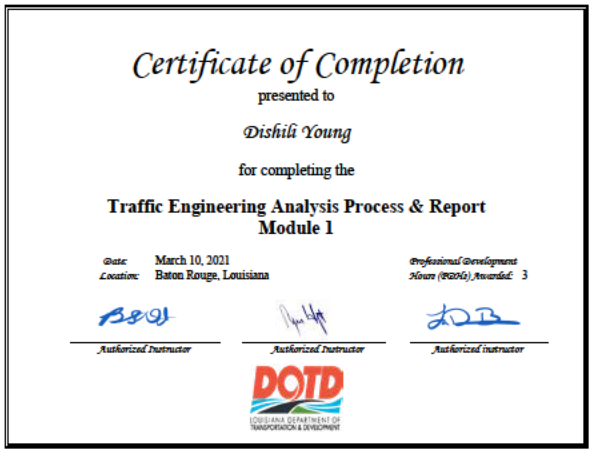
for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Dishili Young

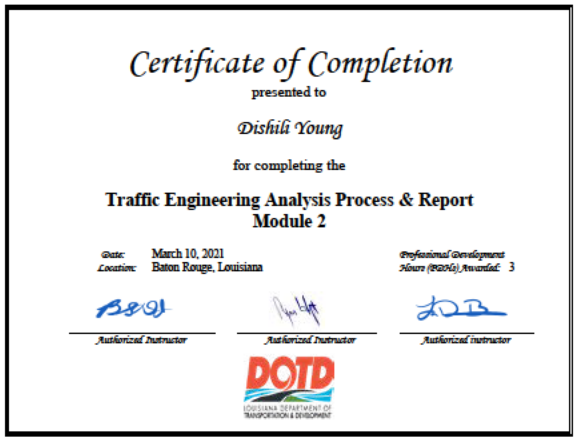
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 10, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Dishili Young

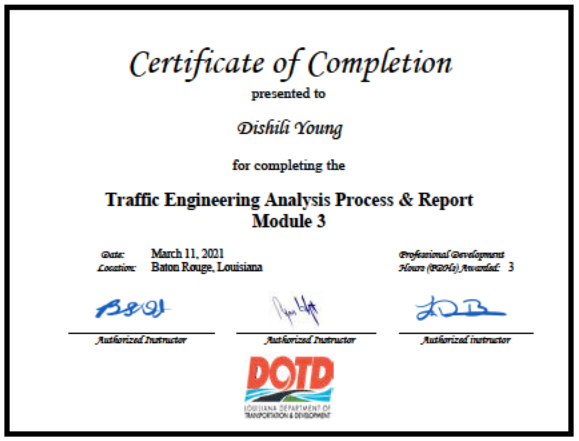
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 10, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



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Dishili Young

for completing the

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Module 3

Date: March 11, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
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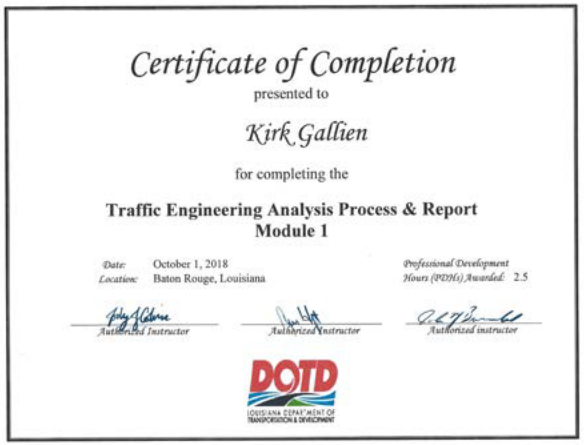


Certificate of Completion

presented to

Kirk Gallien

for completing the

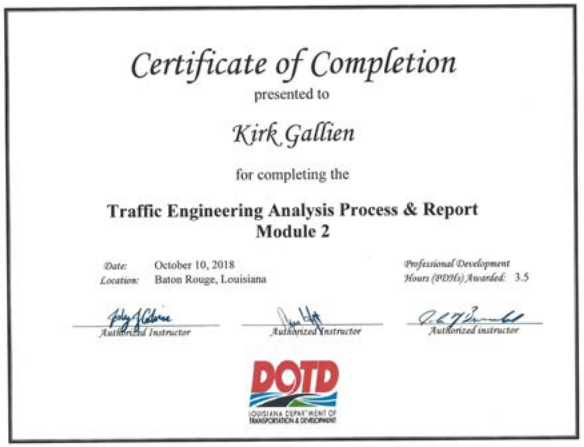
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Kirk Gallien

for completing the

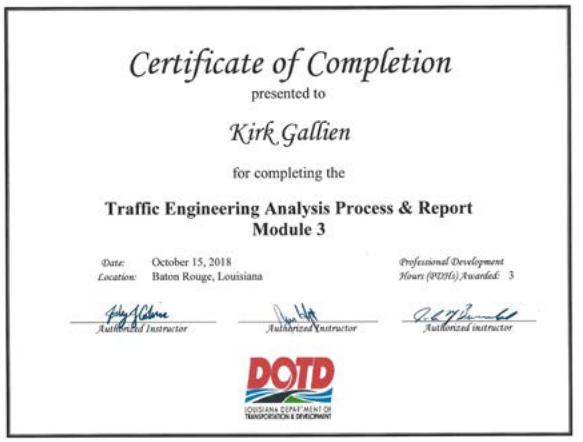
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Kirk Gallien

for completing the

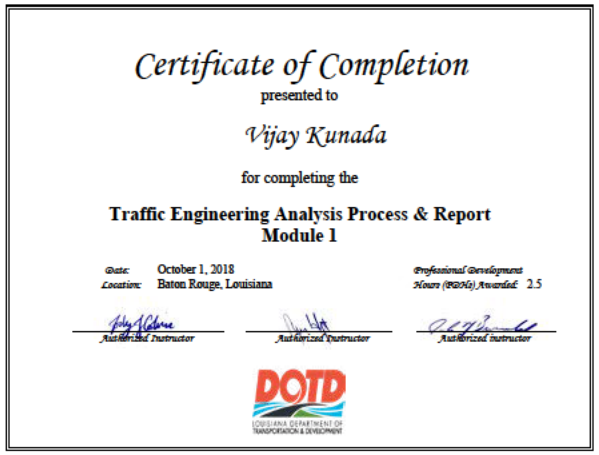
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Vijay Kunada

for completing the

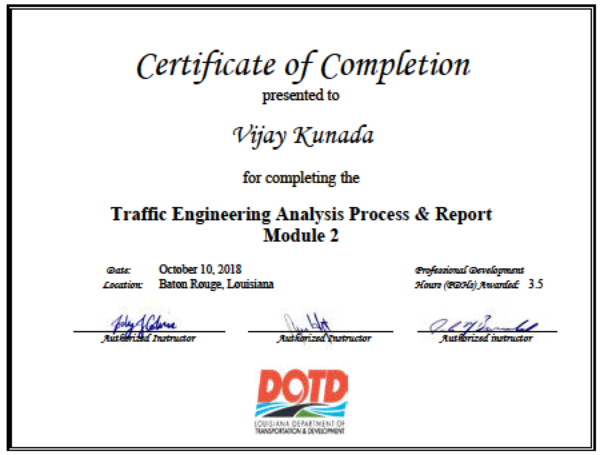
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Vijay Kunada

for completing the

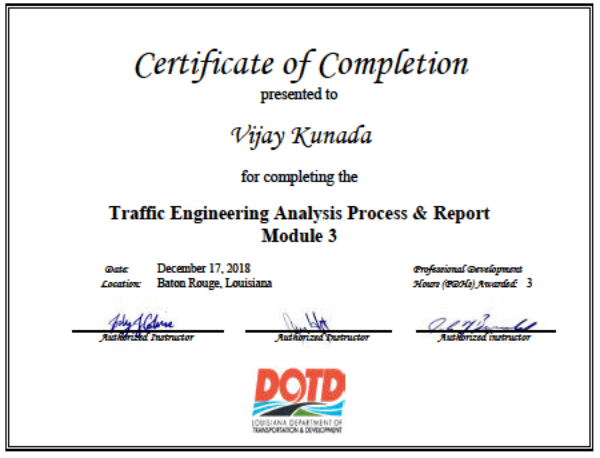
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Vijay Kunada

for completing the

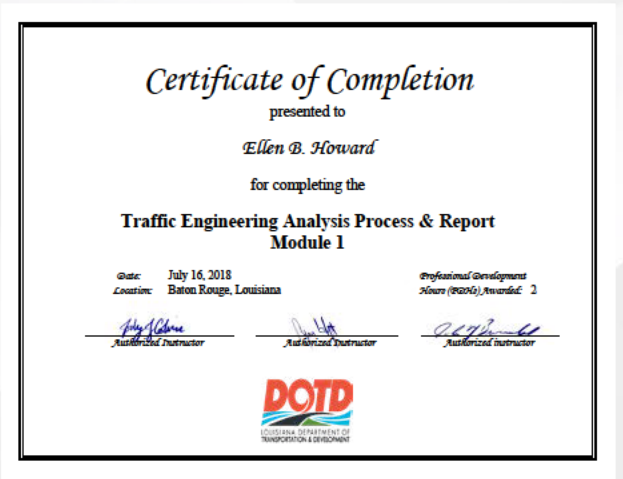
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Ellen B. Howard

for completing the

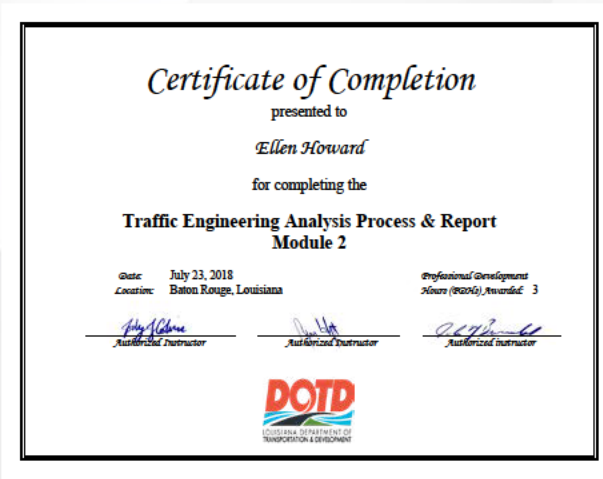
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Ellen Howard

for completing the

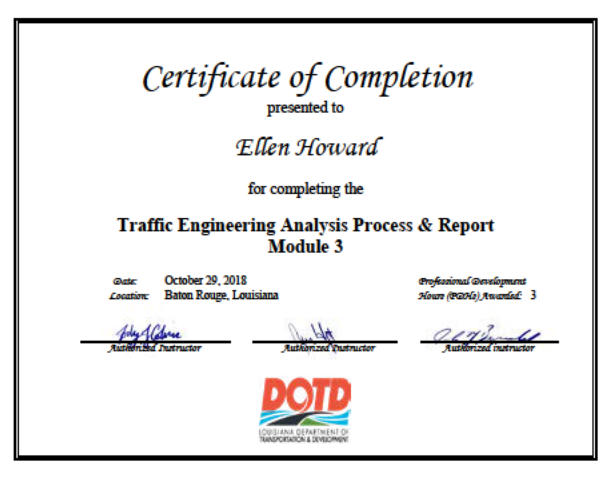
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Ellen Howard

for completing the

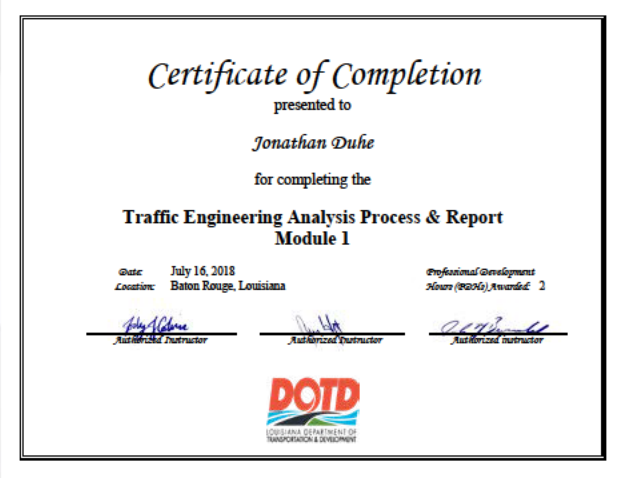
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan Duhe

for completing the

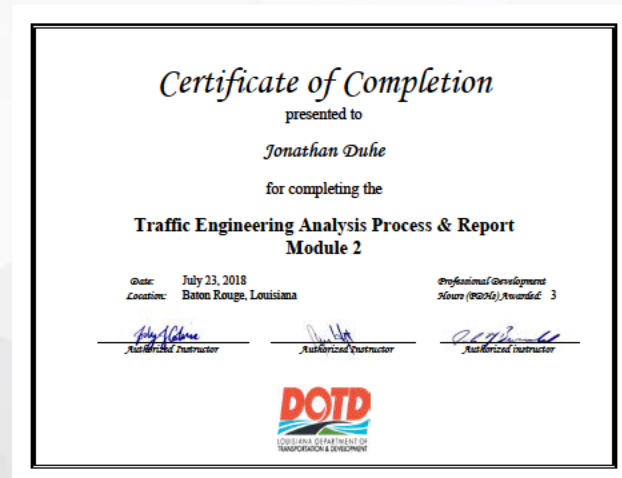
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan Duhe

for completing the

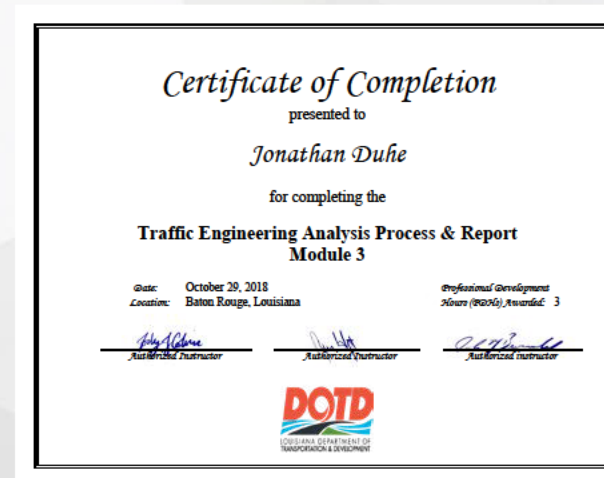
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan Duhe

for completing the

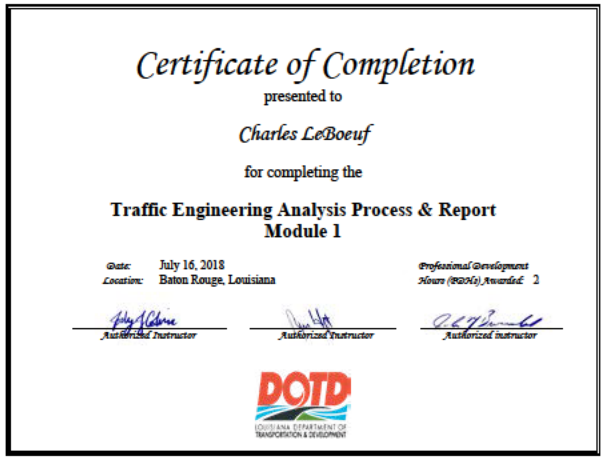
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Charles LeBoeuf

for completing the

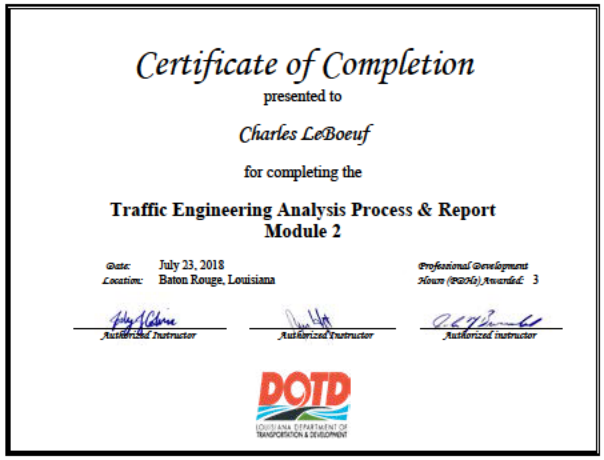
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Charles LeBoeuf

for completing the

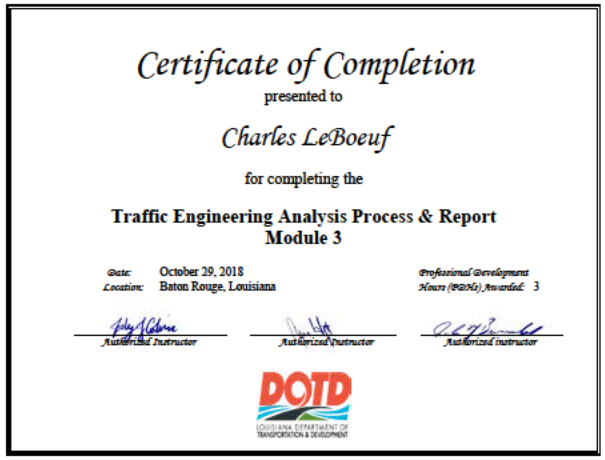
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Charles LeBoeuf

for completing the

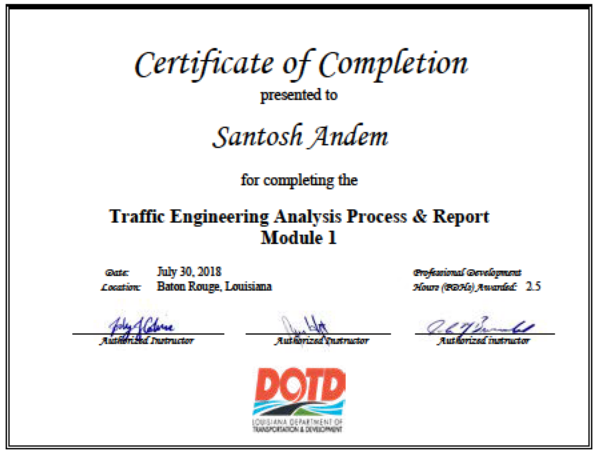
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Santosh Andem

for completing the

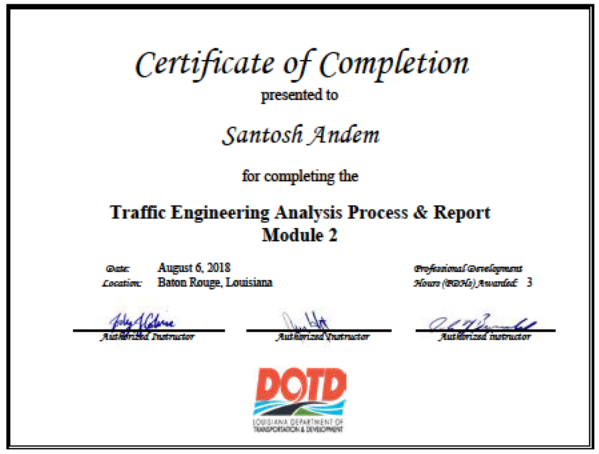
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Santosh Andem

for completing the

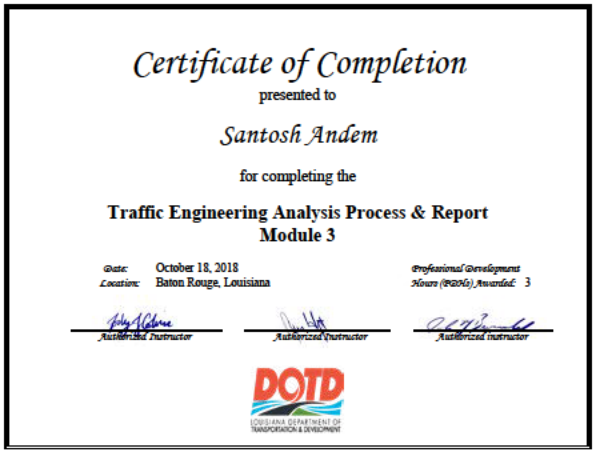
Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Santosh Andem

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Katie Odenthal

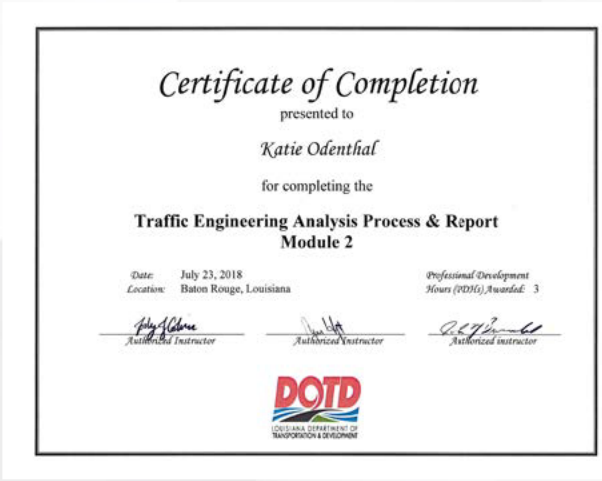
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDH(s) Awarded:* 2

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Katie Odenthal

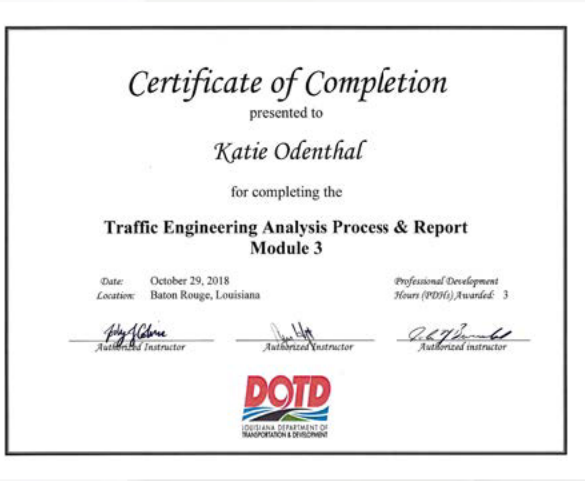
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDH(s) Awarded:* 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Katie Odenthal

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 29, 2018 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDH(s) Awarded:* 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Dishili Young

has participated in

NHI Course No. 142005 -
NEPA and Transportation Decision Making

hosted by

LA DOTD/LTRC

Date: May 28-30, 2014 *Hours of Instruction:* 18
Location: Baton Rouge, LA

Instructor
Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Kara Knott

has participated in

NEPA and Transportation Decision Making

hosted by
LA DOTD/LTRC

Date: March 18-20, 2008 *Hours of Instruction:* 18
Location: Baton Rouge, LA

Instructor
Instructor

Sandra Romero
Local Coordinator

Joseph S. Toole, Associate Administrator
Office of Professional and Corporate Development

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Maria Reid

has participated in

NHI Course No. 142005
NEPA and Transportation Decisionmaking

hosted by

LA DOTD/LTRC

Date: February 18-20, 2014 *Hours of Instruction:* 18
Location: Baton Rouge, LA

Instructor
Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

21. QA/QC PLAN: N/A

22. SUB–CONSULTANT INFORMATION:

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A Baton Rouge, LA 70809–9639	Brin Ferlito bferlito@vecturacs.com	225-223-6685
Local Impact Analytics, LLC	3414 W Adeline Street Hattiesburg, MS 39402	Josh Sullivan josh@localimpactanalytics.com	601-529-1166

Name	Type	City	Status
VECTURA CONSULTING SERVICES, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: VECTURA CONSULTING SERVICES, LLC
Charter Number: 41994609K
Registration Date: 8/24/2015

Domicile Address

4467 BLUEBONNET BLVD.
SUITE A
BATON ROUGE, LA 708099639

Mailing Address

PO BOX 14269
BATON ROUGE, LA 70898

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 8/24/2015
Last Report Filed: 7/26/2024
Type: Limited Liability Company

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.