GEC

Statement of Qualifications

CONTRACT NO. 4400025625
STATE PROJECT NO. H.014622.1

ENTITY CONTRACT FOR ST. NAZAIRE RD EXT: LA 96 - CORNE RD

December 21, 2022

presented to:

DOTD FORM: 24-102

(Revised March 1, 2022)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

1.	Contract title as shown in the advertisement	**ENTITY CONTRACT FOR ST. NAZAIRE RD EXT: LA 96 - CORNE RD**
2.	Contract number(s) as shown in the advertisement	4400025625
3.	State Project Number(s), if shown in the advertisement	H.014622.1
4.	Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	**G.E.C., Inc.**
5.	Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0001917
6.	Prime consultant mailing address	8282 Goodwood Blvd., Baton Rouge, LA 70806
7.	Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	8282 Goodwood Blvd., Baton Rouge, LA 70806
8.	Name, title, phone number, and email address of prime consultant's contract point of contact	Sherri LeBas, PE, Senior Vice President, (225) 612-4107, slebas@gecinc.com
9.	Name, title, phone number, and email address of the official with signing authority for this proposal	Sherri LeBas, PE, Senior Vice President, (225) 612-4107, slebas@gecinc.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.	Signature (shall be the same person as #9):  Date: December 21, 2022

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s):	Firm(s)' %
	The Lakvold Group, LLC	**3.0%**
	Gulf South Research Corporation	**3.5%**

Sections 12-13

GEC DESIGN PROJECT, US 11 AT SCHNEIDER CANAL, SLIDELL

WHAT THEY'RE SAYING

LADOTD's Nicholas Olivier, P.E. stated the following, regarding GEC's performance as a prime consultant for an Environmental Assessment:

"I have reviewed the US 11 EA and offer the following: in all of the EA's that I have reviewed, this format and organization is by far the best that I've seen. GEC has done a great job revising this document. Thanks for your help."

GEC

12. Past Performance Evaluation Discipline Table

Evaluation Discipline	% of Overall Contract	G.E.C., Inc. (GEC) (**Prime**)	Neel-Schaffer, Inc.	Arcadis	DBE FIRM Gulf South Research Corporation (GSRC)	DBE FIRM The Lakvold Group, LLC
Environmental	35.00%	75.00%		15.00%	10.00%	
Road	25.00%	80.00%	20.00%			
Planning	22.00%	90.00%	5.00%	5.00%		
Traffic	15.00%		100.00%			
Appraiser	3.00%					100.00%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100.00%	66.050%	21.100%	6.350%	3.500%	3.000%

13. Firm Size

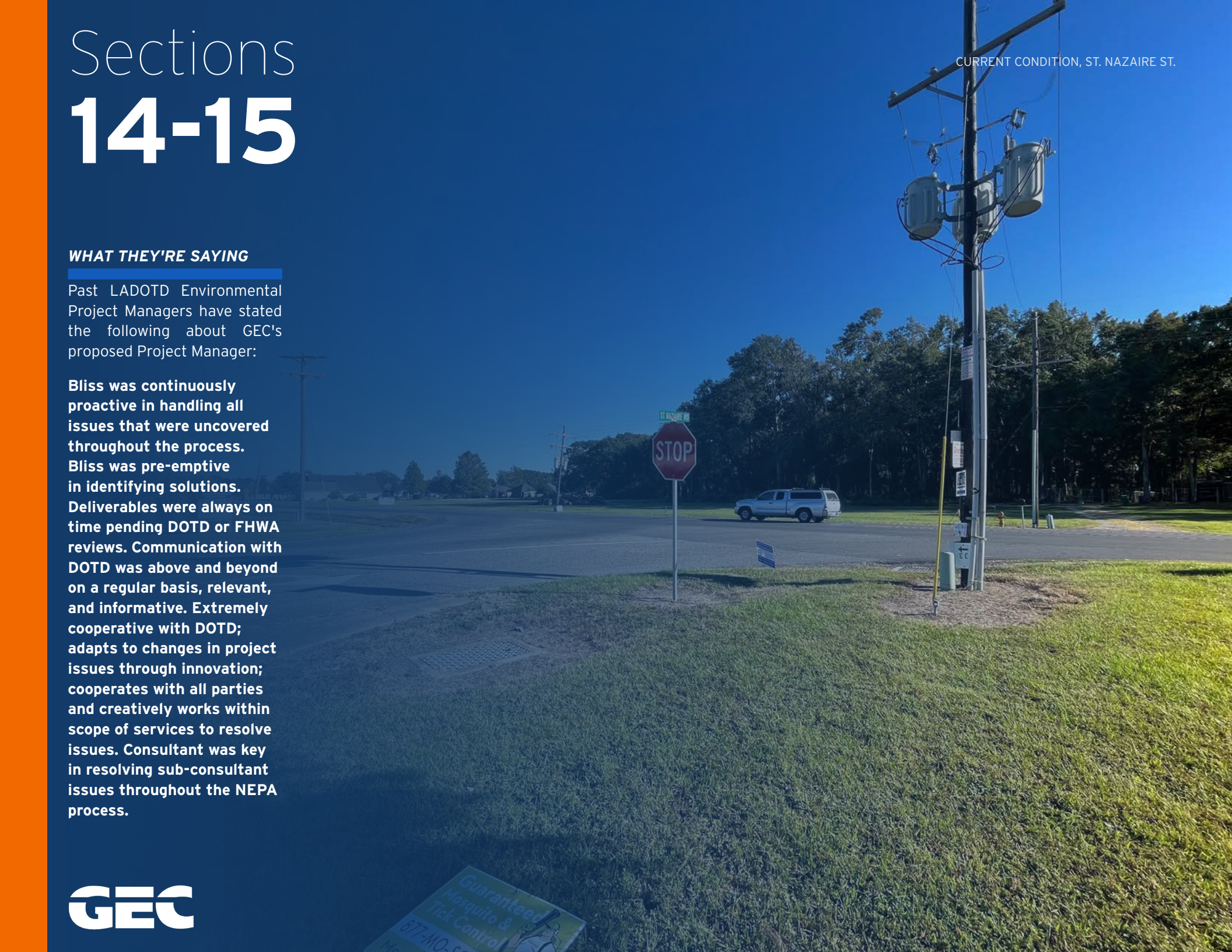
Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
G.E.C., Inc.	Principal	1	3
	Supervisor - Eng	3	4
	Technician	1	2
	Engineer Intern	1	2
	Environmental Professional	1	2
	Environmental Manager	2	2
	Engineer	2	6
	Clerical	1	2
	Biologist / Wetlands	2	2
Neel-Schaffer, Inc.	Engineer	10	10
	Principal	1	2
	Supervisor – Engineer	2	3
	Landscape Architect	2	2
Arcadis	Engineer	2	12
Gulf South Research Corporation	Supervisor – Other	4	8
	Principal – Arch	2	3
	Archaeologist	4	8
	Archaeologist – Tech	4	4
	Historian	1	1
	GIS Analyst	2	2
	Clerical	2	2
The Lakvold Group, LLC	Other (Real Estate Appraiser	1	1

Sections 14-15

WHAT THEY'RE SAYING

Past LADOTD Environmental Project Managers have stated the following about GEC's proposed Project Manager:

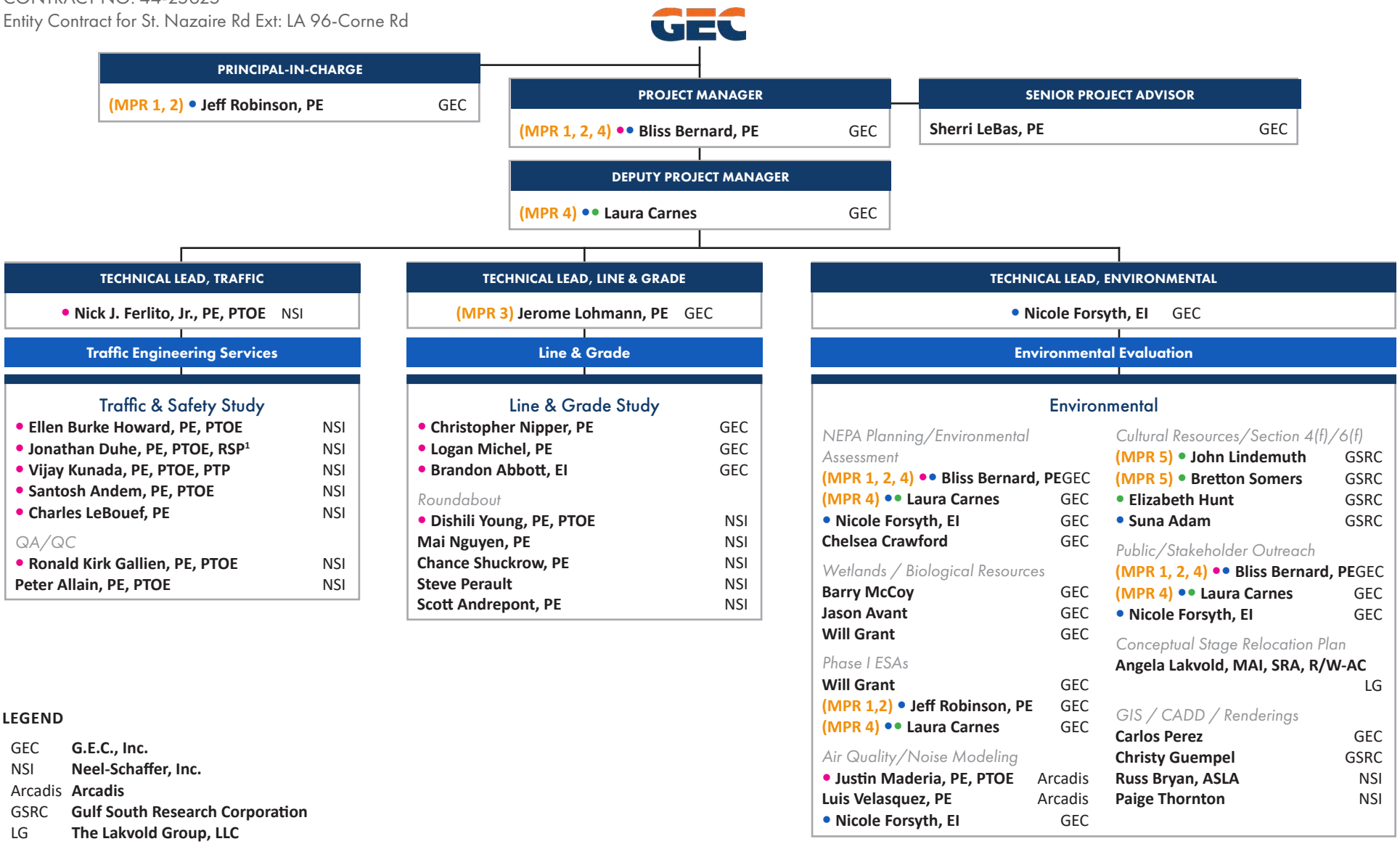
Bliss was continuously proactive in handling all issues that were uncovered throughout the process. Bliss was pre-emptive in identifying solutions. Deliverables were always on time pending DOTD or FHWA reviews. Communication with DOTD was above and beyond on a regular basis, relevant, and informative. Extremely cooperative with DOTD; adapts to changes in project issues through innovation; cooperates with all parties and creatively works within scope of services to resolve issues. Consultant was key in resolving sub-consultant issues throughout the NEPA process.



CURRENT CONDITION, ST. NAZAIRE ST.

14. Organizational Chart

CONTRACT NO. 44-25625
Entity Contract for St. Nazaire Rd Ext: LA 96-Corne Rd



LEGEND

GEC	**G.E.C., Inc.**
NSI	**Neel-Schaffer, Inc.**
Arcadis	**Arcadis**
GSRC	**Gulf South Research Corporation**
LG	**The Lakvold Group, LLC**

(#) Fulfills MPR
• LTRC Modules 1-3 Training (TEPR)
• Section 106 Course
• NHI Course No. 142005, NEPA and Transportation Decision Making

15. Minimum Personnel Requirements

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Jeff Robinson, PE	GEC	PE No. 29322 (Civil)	Louisiana	03-31-2023
	Bliss Bernard, PE		PE No. 42709 (Civil)	Louisiana	09-30-2024
2	Jeff Robinson, PE	GEC	PE No. 29322 (Civil)	Louisiana	03-31-2023
	Bliss Bernard, PE		PE No. 42709 (Civil)	Louisiana	09-30-2024
3	Jerome Lohmann, PE	GEC	PE No. 24673 (Civil)	Louisiana	09-30-2024
4	Laura Carnes	GEC	N/A	N/A	N/A
	Bliss Bernard, PE		PE No. 42709 (Civil)	Louisiana	09-30-2024
5	John Lindemuth	GSRC	Section 106 Course taken in 2002	N/A	N/A
	Bretton Somers		Section 106 Course taken in 2007	N/A	N/A

Section 16

WHAT THEY'RE SAYING

LADOTD Environmental Project Manager stated the following regarding GEC's performance as a prime consultant for an Environmental Assessment (H.004987 US 190 Collins Blvd Environmental Assessment):

Overall NEPA Document and Project Management

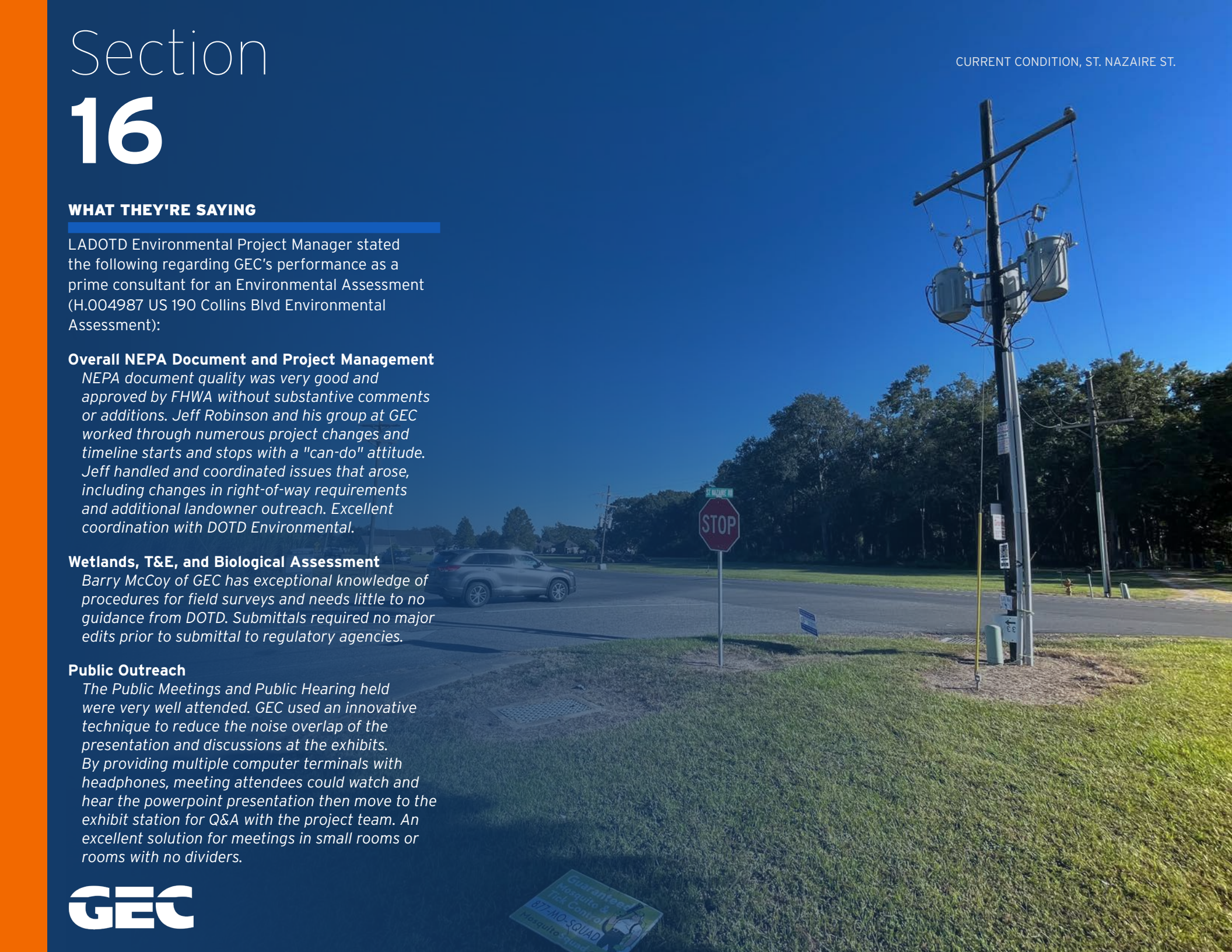
NEPA document quality was very good and approved by FHWA without substantive comments or additions. Jeff Robinson and his group at GEC worked through numerous project changes and timeline starts and stops with a "can-do" attitude. Jeff handled and coordinated issues that arose, including changes in right-of-way requirements and additional landowner outreach. Excellent coordination with DOTD Environmental.

Wetlands, T&E, and Biological Assessment

Barry McCoy of GEC has exceptional knowledge of procedures for field surveys and needs little to no guidance from DOTD. Submittals required no major edits prior to submittal to regulatory agencies.

Public Outreach

The Public Meetings and Public Hearing held were very well attended. GEC used an innovative technique to reduce the noise overlap of the presentation and discussions at the exhibits. By providing multiple computer terminals with headphones, meeting attendees could watch and hear the powerpoint presentation then move to the exhibit station for Q&A with the project team. An excellent solution for meetings in small rooms or rooms with no dividers.



CURRENT CONDITION, ST. NAZAIRE ST.

PERSONNEL RESUMES
Project Leadership

16. Staff Experience

Firm employed by	G.E.C., Inc.		
Name	**Jeffrey Robinson, PE**	Years of relevant experience with this employer	27
Title	Environmental Engineer	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		B.S. / 1995 / Civil Engineering	
Active registration number / state / expiration date		29322 / Louisiana / 03-31-2023	
Year registered	2001	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Principal-in-Charge**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Robinson has over 38 years of civil/environmental engineering project management experience and provides planning, coordination, and consulting services for Federal & state regulatory compliance issues for numerous governmental & private sector clients. He is widely respected for his thorough & highly objective approach to environmental and transportation, and geotechnical issues as they relate to permitting, design, federal & state compliance, wetlands, hazardous materials, & other critical issues surrounding major infrastructure projects. His experience includes 27 years of permitting & compliance with USACE, US Coast Guard, & Louisiana DEQ. As Environmental Program (and Public Involvement) Manager, has helped LADOTD complete 37 projects exceeding $5-Billion in construction costs with on-time lettings.* ***He has completed NHI Course No. 142005 – National Environmental Policy Act (NEPA) and Transportation Decision Making.***
01/14-05/17 **SECTION 17 PROJECT**	**H.004987 US 190/COLLINS BOULEVARD WIDENING (LA 25 TO US 190B) ENVIRONMENTAL ASSESSMENT: Covington, LA.** *Environmental Project Manager*- Mr. Robinson's responsibilities included project management for the preparation of an EA with FONSI for the widening of approximately 3 miles of U.S. Hwy 190, a project which included the construction of new bridges across the Bogue Falaya River, in accordance with DOTD, FWHA, and NEPA requirements. GEC's services included development of a Purpose and Need statement, agency coordination, Solicitation of Views, and preparation of environmental documentation. The EA addressed REC sites, wetlands mitigation and permitting, Sections 4(f) and 6(f) consultations, floodplains, and T&E species consultations. He was responsible for this NORPC-led effort to improve traffic flow efficiency through the primary north-south roadway corridor. ***"Jeff Robinson and his group at GEC worked through numerous project changes and timeline starts and stops with a "can-do" attitude. GEC handled and coordinated issues that arose, including changes in right-of-way requirements and additional landowner outreach. Excellent coordination with DOTD Environmental." - Feedback from LADOTD PM after completion of the project***
01/14-05/16 **SECTION 17 PROJECT**	**H.004983 U.S. HWY. 11 WIDENING (LAKE PONTCHARTRAIN-SPARTAN DRIVE): Slidell, LA.** *Environmental Project Manager* - Mr. Robinson's responsibilities included project management for the preparation of an EA with FONSI for the widening of approximately 2.8 miles in accordance with DOTD, FHWA, and NEPA requirements, a project which also included plans to raise the highway at its intersection with a flood protection levee. GEC's services included the development of a Purpose and Need statement, agency coordination, Solicitation of Views, and the preparation of environmental documentation. Among other items, the EA addressed REC sites, wetlands mitigation and permitting, Sections 4(f) and 6(f) consultations, floodplains, and T&E species consultations. The highway was heavily developed to one side and bordered on the other by a waterway. Initial 4-lane build proposals would have negatively affected residential and commercial properties, and no cost-effective, additional right-of-way was available to construct additional lanes. Mr. Robinson expedited stakeholder and public input to identify alternatives that could be constructed within existing state ROW. The Preferred Alternative increased capacity and reduced congestion without the acquisition of additional ROW.

Firm employed by	G.E.C., Inc.
Name	**Jeffrey Robinson, PE** *Continued Resume*
06/95-06/13 **SECTION 17 PROJECT**	**US 71/165 FORT BUHLOW BRIDGE AND APPROACHES ENVIRONMENTAL ASSESSMENT: Alexandria/Pineville, LA.** *Environmental Support* - For the feasibility study, line and grade study, traffic studies, and EA, Mr. Robinson provided hazardous materials mitigation for bridge materials containing lead. GEC prepared solicitation of views, purpose and need, performed all environmental surveys, developed the environmental inventory, conducted public and stakeholder meetings, conducted a wetlands delineation, produced a wetlands findings report, developed mitigation measures, and prepared all permit drawings and applications including for USACE, The Red River Waterway Commission, USCG, and railroads. GEC also was responsible for scenic rivers class B application, floral and faunal communities, threatened and endangered species surveys, Phase 1 ESA and coordination, archaeological and historical resources including 4(f) properties, and all other environmental resources. GEC conducted a public meeting and public hearing, published the Final EA Report, and received a FONSI.
06/02-06/12 **SECTION 17 PROJECT**	**700-99-0266 / LADOTD, TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM, US 165, 167, 425, AND 171, AND LA 15: Louisiana.** *Environmental Project Manager* - The program addressed the construction of more than 260 miles of new highway including 74 new bridges on existing and new alignments throughout Louisiana on an aggressive 10-year schedule subsequently accelerated to eight years. Environmental program functions included regulatory coordination and environmental documentation, permitting, and mitigation with, among other agencies, the U.S. Coast Guard, three U.S. Army Corps of Engineers Districts, numerous parish floodplain administrators, and the LA Department of Wildlife and Fisheries (18 of the 74 bridges crossed LA Scenic Streams). Mr. Robinson hosted a stakeholder outreach meeting in Baton Rouge attended by representatives from LADOTD, USCG, the three Corps Districts, and LDWF to develop standard operating procedures to assess, document, permit, and mitigate the new bridges using a standardized, universal process. Mr. Robinson completed all environmental documentation and permitting in five years, and all projects let in 8 years (2 years early).
07/15-Present	**H.004273.5 I-49 CONNECTOR, LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE: Lafayette, LA.** *Environmental Engineer* - Mr. Robinson manages a process including environmental, legal, real estate, design, and planning representatives that develops effective screening, evaluation, design, and construction approaches for contaminated sites located within ROW required for the I-49 Connector in Lafayette. He works closely with LDEQ to expedite regulatory tasks and decision-making regarding contaminated sites, and manages retainer contracts for Phase II and Phase III Environmental Site Assessment (ESA) services. He ensures contaminated sites are not purchased unknowingly; discounts purchase prices for contaminated sites; encourages current owners to begin/complete remediation prior to LADOTD acquisition; develops performance measures and construction methods for sites having use limitations/restrictions; and ensures legal protections are properly addressed and included in purchase documents.
06/95-Present	**GREATER NEW ORLEANS EXPRESSWAY COMMISSION (GNOEC): New Orleans, LA.** *Environmental Engineer* - Mr. Robinson has provided environmental program management oversight. He has prepared Programmatic and Categorical Exclusions for maintenance, repair, & improvement projects requiring coordination & permitting by USCG. GEC documented these projects in accordance with LADOTD's Environmental of Standard Practice guidance. GEC prepared Purpose and Need Statements, assessed alternatives, and identified potential environmental constraints using LADOTD's Environmental Determination Checklist. GEC prepared regulatory SOVs, prepared responses to regulatory comments, conducted wetland delineations and T&E assessments; prepared findings reports; and prepared Section 10/404, LDEQ Water Quality Certification, Coastal Use Permit, & USCG Bridge Permit applications.
02/07-04/09	**HIGHLAND ROAD (LA 42) IMPROVEMENTS (PERKINS TO AIRLINE): Baton Rouge, LA.** *Environmental Engineer* - Mr. Robinson oversaw production of the environmental and NEPA documentation including performing the Phase I ESA in accordance with the scope and limitations of ASTM E 1527. In order to characterize Recognized Environmental Conditions (REC) sites for the project GEC: (1) reviewed federal, state, and local environmental databases; (2) conducted historical research; (3) interviewed pertinent personnel; and (4) performed a site investigation. Assessment revealed no recognized environmental conditions (RECs) on or in project vicinity.

Firm employed by	**G.E.C., Inc.**		
Name	**Bliss Bernard, PE**	Years of relevant experience with this employer	<1
Title	Vice President Environmental / Business Development	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	B.S. / 2014 / Civil Engineering		
Active registration number / state / expiration date	42709 / Louisiana / 03-31-2023		
Year registered	2018	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities	Role on this Project: **Project Manager**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mrs. Bernard is a licensed Professional Engineer having over 8 years of experience in project management, engineering, environmental, water resources, transportation, public outreach, and planning. She has extensive knowledge with the National Environmental Policy Act (NEPA) regulations, and she has served as the Project Manager on numerous Environmental Assessments and Environmental Impact Statements for a variety of federal and state agencies, such as LADOTD, FHWA, USDA, NRCS, USACE, NPS, NRDA, LATIG, and CPRA. Her successful experience with various agencies and multi-disciplinary environmental studies brings a unique expertise, broader knowledge, and the ability to manage a range of NEPA Projects. She has completed the ATSSA Traffic Control Technician, Traffic Control Supervisor, and Certified Flagger training courses,* ***NHI Course 142005 NEPA & the Transportation Decision-Making Process****, the LADOTD Highway Safety Manual Course, and the* ***LADOTD Traffic Engineering Process and Report Training Class Modules 1, 2, and 3.***
05/17-05/20	**H.001271 CANE RIVER BRIDGE CHURCH STREET ENVIRONMENTAL ASSESSMENT: Natchitoches Parish, LA.** *Project Manager* - Mrs. Bernard served as the Prime consultant's project manager for the Environmental Assessment of the Cane River Bridge in Natchitoches, LA. She provided the planning, public outreach, and engineering and environmental services necessary to gauge public support and document information necessary for LADOTD and FHWA to reach an environmental decision as required by NEPA. She analyzed project impacts by coordinating and developing various technical studies, including: line and grade study, GIS mapping, wetland delineation and threatened and endangered species study, phase 1 environmental site assessment, air and noise impact studies, and cultural resources surveys. She prepared numerous reports and presentations and directed all activities for numerous stakeholder meetings, solicitation of views, public meetings, and public hearings. Through the compilation of all studies required by NEPA and public and agency involvement, **Mrs. Bernard developed the Final EA, the FONSI and the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in the State of Louisiana. FHWA indicated the FONSI document Mrs. Bernard developed will be used as a template for future FONSI's developed in partnership with LADOTD.** The Cane River Project received a LADOTD Environmental rating score of 4.8/5.0. Some of the comments as a part of the rating included "Bliss was continuously proactive in handling all issues that were uncovered throughout the process. Bliss was pre-emptive in identifying solutions. Deliverables were always on time pending DOTD or FHWA reviews. Communication with DOTD was above and beyond on a regular basis, relevant, and informative. Extremely cooperative with DOTD; adapts to changes in project issues through innovation; cooperates with all parties and creatively works within scope of services to resolve issues. Consultant was key in resolving sub-consultant issues throughout the NEPA process."
05/17-03/22	**H.009932 US 80 WIDENING: VANCIL ROAD TO WELL ROAD ENVIRONMENTAL ASSESSMENT: Ouachita Parish, LA.** *Project Manager* - Mrs. Bernard served as the project manager on behalf of the prime consultant for the US 80 Widening EA Project. **She led all efforts, assisting LADOTD and FHWA to formulate the EA in accordance with NEPA.** She analyzed project impacts by coordinating and assisting in developing various technical studies, prepared numerous reports, presentations, mailers, and other documents for stakeholder and community outreach, directed all activities for numerous stakeholder meetings, SOV's, public meetings, and hearings. Ms. Bernard hosted one of the first LADOTD virtual public meetings following the COVID-19 pandemic. Being one of the first public meetings held completely online, many of the standard procedures for the meeting had to be adapted for a social-distance-friendly platform. Through the compilation of all studies required by NEPA and public and agency involvement, Mrs. Bernard developed the Draft Environmental Assessment Report.

Firm employed by	**G.E.C., Inc.**
Name	**Bliss Bernard, PE** *Continued Resume*
01/20-11/21	**H.002297 LA 37 (SULLIVAN ROAD TO LIBERTY ROAD): East Baton Rouge Parish, LA.** *Project Manager* - Mrs. Bernard served as the Project Manager and was the engineer of record for the LA 37 Stage 0 project. She was responsible for managing and providing all engineering, environmental, and planning services required to determine necessary improvements along the LA 37 (Greenwell Springs Road) corridor from Sullivan Road to Liberty Road in East Baton Rouge Parish. Mrs. Bernard served as the prime consultant for this Stage 0 feasibility study and environmental inventory. Mrs. Bernard was responsible for performing project research, establishing design criteria in accordance with LADOTD, overseeing concept development and evaluation for roadway alternatives, based upon a traffic study and was the **engineer of record in preparing the Stage 0 Feasibility Study and Environmental Inventory to examine the feasibility of improving mobility and operations of the corridor.** She developed the final signed and sealed Stage 0 Feasibility Report including the Stage 0 Checklist, Environmental Checklist, roadway engineering plans, and the opinion of probable cost.
06/14-08/15	**H.000758.2 WIDENING OF US 84 FROM HWY 772 TO JUST EAST OF HAIR CREEK BRIDGE EA: Lasalle Parish, LA.** *Project Manager* - Mrs. Bernard was responsible for various tasks, such as: public outreach, environmental documentation, and technical studies as required by the NEPA on this Environmental Assessment for the proposed widening of US 84 on behalf of LADOTD and FHWA.
06/14-05/16	**H.004985 I-12 TO BUSH ENVIRONMENTAL IMPACT STATEMENT: St Tammany Parish, LA.** *Project Manager* - Mrs. Bernard was responsible for various tasks such as public outreach, environmental documentation, line and grade report, section 4(f), technical studies, and developing the **draft and final EIS as required by NEPA in coordination with LADOTD, FHWA, and USACE.** Mrs. Bernard led the sub-consultant team to complete a 3rd party EIS for a proposed 4-lane highway from Bush, Louisiana to I-12.
06/22-Present	**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION PROJECT: Plaquemines Parish, LA.** *Project Manager* - Mrs. Bernard is serving as a project manager on the project management team for the Mid-Barataria Sediment Diversion (MBSD) project. She has assisted in the development of the cumulative impacts, water quality, and overall QC of the FEIS. The EIS was prepared under the direction of USACE to aid in their decision-making regarding CPRA's permit application pursuant to Section 404 of the CWA, Section 10 of the Rivers and Harbors Act, and permissions under 33 U.S.C. Section 408. The EIS is assessing the potential negative and beneficial impacts associated with the construction and operations of the project. This highly publicized and controversial project includes 7 cooperating and 10 commenting agencies, and 11 consulting tribes and has been placed on the permitting dashboard under the FAST-41 process.
02/18-12/21	**RODDY ROAD/CHURCHPOINT ROAD ROUNDABOUT: Ascension Parish, LA.** *Project Manager* - Mrs. Bernard served as the Project Manager on this project re-design. Due to funding restrictions, the project was not constructed in a timely manner, and the original submittals were updated to new standards. Mrs. Bernard developed the intersection study, **environmental categorical exclusion report**, and hosted the public meeting. She assisted in updating all other prior plan documents in accordance with new LADOTD standards including geotechnical and pavement design, engineering and drainage plans, ROW maps, and bid and construction documents.
06/19-09/20	**STAGE 0 FEASIBILITY STUDY ROUNDABOUTS: Lafayette Parish, LA.** *Project Manager* - The project entailed developing Stage 0 Feasibility Studies for 30 roundabout locations throughout Lafayette Parish. Mrs. Bernard served as an engineer, and was responsible for data collection, feasibility, **environmental inventory, categorical exclusions**, and conceptual design of numerous roundabouts. She developed environmental inventory reports in accordance with LADOTD, and managed the sub-consultants, ensuring quality control.
01/16-04/17	**H.011014 LA 3002 U-TURN: Livingston Parish, LA.** *Project Manager* - Mrs. Bernard served as the Project Manager and assisted with the preliminary and final plans for the LA 3002 U-Turn. She developed the **environmental categorical exclusion**, preliminary and final plans, which included the design of a new roadway, widening existing roadways, intersection improvements, signage and striping, and subsurface drainage.

Firm employed by	**G.E.C., Inc.**		
Name	**Laura Carnes**	Years of relevant experience with this employer	13
Title	Senior Vice President, Coastal, Environmental & Water Resources	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	B.S. / 1993 / Psychology; M.S. / 2002 / Geography		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Role on this Project: **Deputy Project Manager**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Ms. Carnes is an Environmental Professional with more than 16 years of experience preparing Phase I Environmental Site Assessments (ESAs), Environmental Impact Statements (EISs), and Environmental Assessments (EAs) for private and governmental clients including the Baton Rouge Area Chamber of Commerce (BRAC), Baton Rouge Parks and Recreation (BREC), CPRA, HUD, USACE, FERC, FEMA, US Forest Service, and FHWA-DOTD. Ms. Carnes' has completed the training course "ASTM International Environmental Site Assessments for Commercial Real Estate" and is also trained in HAZWOPER in accordance with 29 CFR 1910.120. She has performed numerous assessments to evaluate the presence of hazardous substances and petroleum products in accordance with ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Her experience also includes preparing EAs and EISs in compliance with the National Environmental Policy Act (NEPA). Through the NEPA process, she has ensured project compliance with applicable laws, regulations, and executive orders for more than 30 projects, particularly as related to ESA, E.O. 12898, Section 106 of the NHPA, E.O. 11990, and USACE Section 10/404/and 408 permitting.* ***She has completed the NHI Course NEPA & the Transportation Decision-Making Process.***
01/14-05/17 **SECTION 17 PROJECT**	**H.004987 U.S. HIGHWAY 190/COLLINS BOULEVARD WIDENING (US-190B – LA 25) ENVIRONMENTAL ASSESSMENT: Covington, LA.** *Environmental Scientist* - Ms. Carnes prepared the Environmental Assessment (with FONSI) and Line, and Grade Study to widen approximately 3 miles of U.S. 190 in Covington, a project that included the construction of new bridges across the Bogue Falaya River. Notably, the project proposed the elimination of all signalized intersections within the project corridor and replacement with roundabouts. Ms. Carnes led the development of the EA, technical reports, and Solicitation of Views coordination with resource agencies to assess project impacts on wetlands, socioeconomics, navigation, floodplains, and other aspects of the environment.
01/14-05/16 **SECTION 17 PROJECT**	**H.004983 U.S. HWY. 11 WIDENING (LAKE PONTCHARTRAIN TO SPARTAN DRIVE) ENVIRONMENTAL ASSESSMENT: Slidell, LA.** *Environmental Scientist* - Ms. Carnes prepared the Environmental Assessment (with FONSI) and Line and Grade Study for this highway-widening project. She played a lead role in conducting regulatory Solicitations of Views and preparing the EA and supporting reports.
01/17-Present	**GNOEC, LAKE PONTCHARTRAIN CAUSEWAY: St Tammany and Jefferson Parishes, LA.** *NEPA Specialist* - Ms. Carnes serves as NEPA Specialist for improvements to the Causeway. She provides regulatory stakeholder solicitation, environmental field investigations and assessments, and NEPA documentation. Several projects have been documented as Categorical Exclusions (CE) since 2011. GEC documented these CE projects in accordance with the DOTD's Environmental of Standard Practice guidance regarding Stage 0 – Feasibility and Stage 1 – Planning/Environmental processes. GEC prepared preliminary Purpose and Need Statements, assessed alternatives, and identified potential environmental constraints using DOTD's Environmental Determination Checklist. GEC prepared and conducted regulatory Solicitations of Views, prepared responses to regulatory comments/ guidance, prepared wetland/water body survey reports and prepared Coastal Use Permit applications.
03/11-03/13	**REVISED PROGRAMMATIC EIS FOR MORGANZA, LA, TO THE GULF OF MEXICO HURRICANE PROTECTION PROJECT: Terrebonne and Lafourche Parishes, LA.** *Project Manager* - Prepared the EIS for this CEMVN civil works project aimed to reduce the risk of flooding and coastal erosion due to storm surges. Coordinated closely with CEMVN staff to develop and clearly describe alternatives and assess the direct, indirect, and cumulative social and environmental impacts of the alternatives. Earned a Performance Rating of Exceptional.

Firm employed by	**G.E.C., Inc.**
Name	**Laura Carnes** *Continued Resume*
02/17-Present	**THIRD PARTY ENVIRONMENTAL IMPACT STATEMENT (EIS) FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD), CPRA: Plaquemines, LA.** *Project Manager* - Ms. Carnes serves as a project manager on the GEC Team leading development of a third-party Environmental Impact Statement for the MBSD Project being proposed by CPRA. Ms. Carnes is preparing the EIS on behalf of the U.S. Army Corps of Engineers to support its Section 10/40/408 permit decision. The Mid-Barataria Sediment Diversion is a cornerstone of Louisiana's Coastal Master Plan. Ms. Carnes is responsible for overall development of the EIS and supporting documentation, including agency coordination, development of alternatives, and analysis of environmental impacts.
01/11-06/14	**US 190 COLLINS BLVD. RIGHT TURN LANE AT LEE ROAD: Covington, LA.** *Environmental Scientist* - GEC designed the extension of the existing U.S. Hwy. 190 (Collins Blvd.) northbound right turn lane to the LA Hwy. 437 (Lee Road) intersection, from 200-ft. to approximately 2,300-ft. Ms. Carnes played a lead role in achieving NEPA compliance for the project in accordance with CEQ, FHWA, and LADOTD regulations. Ms. Carnes implemented Solicitation of Views coordination with agencies, assessed environmental and socioeconomic impacts for the EA, developed the report, facilitated public meetings, and responded to public comments.
09/16-01/17	**PORT CAMERON EA: Cameron Parish, LA.** *Project Manager* - Served as lead author and manager of this EA to construct a port along the Calcasieu Ship Channel in compliance with all applicable environmental statutes, including, but not limited to, NEPA, the Endangered Species Act, the Fish and Wildlife Coordination Act, the Federal Farmland Protection Act, and the Clean Water Act.
01/20-02-20	**PHASE I ESA GREENWOOD COMMUNITY PARK & BATON ROUGE ZOO: East Baton Rouge Parish, LA.** *Environmental Professional* - GEC was responsible for investigating the property in order to identify recognized environmental conditions (RECs) within and adjacent to the property. Ms. Carnes completed the following investigation procedures in compliance with ASTM E 1527-13: research of available federal, state, and local environmental databases for potential REC sites on, or within a specified distance of, the property; reviews of historical aerial photographs, Sanborn® Fire Insurance Maps, USGS topographic maps, and/or published soils and geologic information; interviews with state and local government agency representatives and/or persons knowledgeable of the property regarding documented inspections, violations, incidents, spill response, or past uses of therein; and preparation of a written report that identifies whether the property contains potential RECs and whether or not conditions warrant further investigation.
04/12-09/12	**MULTIPLE PHASE I ESAs FOR BRAC: Pointe Coupee Parish, LA.** *Environmental Professional* - Ms. Carnes was responsible for investigating numerous properties to identify recognized environmental conditions (RECs) within and adjacent to the following properties: New Roads Industrial Park, Kent East Property, Kent West Property, NRD Industrial Park, Oline Property. Ms. Carnes completed the following investigation procedures for all properties in compliance with ASTM E 1527-05: research of available federal, state, and local environmental databases for potential REC sites on, or within a specified distance of, the property; reviews of historical aerial photographs, Sanborn® Fire Insurance Maps, United States Geologic Survey (USGS) topographic maps, and/or published soils and geologic information; interviews with state and local government agency representatives and/or persons knowledgeable of the property regarding documented inspections, violations, incidents, spill response, or past uses of therein; visual observations of accessible portions of the property to identify current and historical REC sites; and preparation of a written report that identifies whether the property contains potential RECs and whether or not conditions warrant further investigation.

Firm employed by	**G.E.C., Inc.**		
Name	**Sherri LeBas, PE**	Years of relevant experience with this employer	6
Title	Senior Vice President	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		B.S. / 1985 / Civil Engineering	
Active registration number / state / expiration date		23844 / Louisiana / 03-31-2023	
Year registered	1990	Discipline	Professional Engineer, Civil & Environmental
Contract role(s) / brief description of responsibilities		Role on this Project: **Senior Project Advisor**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Ms. LeBas is a Senior Vice President of GEC. She is a professional civil engineer with 36 years of experience in designing and managing numerous projects and programs during her career in Louisiana state government and private industry. During her 24.5 years at the Louisiana Department of Transportation and Development (LADOTD), Ms. LeBas designed and managed projects for a combined 14 years in the Road Design Section, which led to serving as a facilitator for the Change Management Program, Assistant to the Secretary for Policy, Deputy Secretary and then Secretary for 6 years from 2010 to 2016. From 1998 to 2003, Ms. LeBas managed projects funded through Capital Outlay at the Louisiana State Division of Administration, Facility Planning and Control. In May of 2016, Ms. LeBas brought her skills and experience to GEC providing services for LADOTD, City of Kenner, City of New Orleans, East Baton Rouge Parish, and St. Tammany Parish. Ms. LeBas also meets with elected officials and other stakeholders discussing policy and resources required for infrastructure. Additionally, Ms. LeBas discusses opportunities for teaming with other consulting firms in order to present and provide a client with the best team possible to provide outstanding services and deliverables.*
09/20-Present	**H.004100 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: Baton Rouge, LA.** *Assistant Project Manager* - Ms. LeBas serves as Assistant Project Manager for this CMAR project, leading the development and annual updates of the Design Quality Manual, Project Management Plan, Initial Financial Plan, Project Implementation Plan and document control. Ms. LeBas is managing the Community Connections/ Context Sensitive Solutions process, which includes meetings with stakeholders and public outreach. In addition, Ms. LeBas provides management oversight of the design elements being designed by GEC engineers, which include lighting (roadway and enhancement), retaining wall, bridge, and noise walls and coordination with roadway and overall design elements.
08/20-Present	**H.013897 / I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, LA.** *Quality Design Manager* - Ms. LeBas is providing management of the quality design reviews for the GEC/Boh Bros. team. GEC is responsible for engineering design and quality reviews for roadway, drainage, bridge, noise walls, traffic management plans, intelligent transportation systems, and lighting.
2016-Present	**ROAD TRANSFER PROGRAM MANAGEMENT: Statewide, LA.** *Principal*-in-Charge - Ms. LeBas serves as a resource to GEC's Program Manager of the LADOTD Road Transfer Program. Ms. LeBas provides feedback, is the direct link for communication and service between GEC's Project Manager who is stationed at LADOTD Headquarters and GEC's staff, and attends bi-monthly status meetings with the LADOTD Road Transfer Team.
03/10 – 01/16	**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (LADOTD): Baton Rouge, LA.** *Secretary* - Ms. LeBas set the vision and led LADOTD in the delivery of the $1.8 Billion annual transportation infrastructure capital and operating program. She developed and discussed transportation policy, issues, feedback, future planning with stakeholders, media, citizens and local, state and national public and elected officials. She pursued and obtained funding working with state and federal officials. She has the skills and credentials to provide design guidance, work with staff to develop solutions to some of the most complicated design policy issues. Some notable projects that required Ms. LeBas's leadership included the funding, design and construction of I-49 from I-220 to the Arkansas State line which included the 2019 ACEC Award Winning I-220/I-49 Interchange which included aesthetic features such as the locally designed column motifs and decorative lighting; LA 1 from Leeville to Fourchon TIFIA refinancing; Design Build projects on I-12 in Livingston Parish as well as two Design Build Interchange projects on US 90 (Future I-49).

Firm employed by	**G.E.C., Inc.**
Name	**Sherri LeBas, PE** *Continued Resume*
09/03 – 05/05	**THE TRANSPORTATION MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM: Statewide, LA.** *Assistant to the TIMED Program Manager, LADOTD Road Design Section* - Ms. LeBas served as the Assistant TIMED Program Manager for the $5.2 Billion Program. She was responsible for the financials working with LADOTD administration, LADOTD staff and consultant. This included reviewing the program changes, change orders, and total program costs from design through construction. She assisted in the coordination and management of the consultant's plan delivery and construction schedule.
04/95 – 01/98	**US 165 (I-10 TO WOODWORTH)(STATE PROJECT NUMBER 014-02: 0020-0023|014-03: 0022, 0023, 0027, 0028|014-04: 0028, 0029, 0032|014-05: 0017, 0018, 0020, 0021, 0031): Jefferson Davis, Allen, and Rapides Parish, LA.** *Project Manager LADOTD Road Design Section* - Ms. LeBas served as the project manager for the consultant designed expanded line and grade plans for the addition of two lanes to the existing roadway which encompassed 16 roadway segments. She negotiated contracts, developed the plan development schedule, reviewed the plan in hand design plans and coordinated review comments with other LADOTD sections. She attended all of the plan in hand field visits for each segment, coordinating and addressing all comments for incorporation into the plans.
07/88 – 08/97	**I-49 SHREVEPORT URBAN INTERSTATE (INNER LOOP EXPRESSWAY (LA 3132) TO THE I-49/I-20 INTERCHANGE) (STATE PROJECT NUMBERS 455-08: -0013, 0015, 0016, 0017, 0018, 0019, 0020, 0021, 0022, 0023, 0024, 0025, 0028, 0030, 0033, 0034, & 0037): Caddo Parish, LA.** *Project Manager LADOTD Road Design* - Ms. LeBas served as Project Manager responsible for scope, schedule & budget, design plans, specifications, & estimate (PS&E) of new interstate (I-49) through Shreveport Urban area which at this time was the largest roadway program at LADOTD. During construction, Ms. LeBas worked closely with District Construction Engineers to resolve issues. She was responsible for checking roadway design plans & coordinating plan reviews with other LADOTD sections. Ms. LeBas prepared the summary of estimated quantities and assisted in the development of special specifications required. She designed & developed the sequence of construction for the I-49/I-20 interchange which included new concept to LA to use concrete barriers to separate lanes of interstate traffic during construction. She also met with property owners with the corridor to discuss driveway access, modifications and concerns.

PERSONNEL RESUMES
Traffic Engineering

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Nick Ferlito, Jr., PE, PTOE**	Years of relevant experience with this employer	26
Title	Senior Vice President	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	B.S. / 1993 / Civil Engineering; M.S. / 1996 / Civil Engineering		
Active registration number / state / expiration date	PE No. 28001 / LA / 09-30-2023; PTOE No. 930		
Year registered 1998	Discipline: Professional Engineer, Civil; PTOE		
Contract role(s) / brief description of responsibilities	Role on this Project: **Traffic & Safety Study Technical Lead**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Ferlito is a traffic/transportation engineer who manages a range of traffic and safety related projects. He has served as the project manager/traffic lead on DOTD IDIQ Contracts for Traffic Engineering (44-2630 / 44-4064), Traffic Signal Timing (44-1777 / 44-0691), Traffic Signal Design (700-99-0447 / 44-4712 / 44-8851), Traffic Signal Inventories (700-99-0332 / 44-4829), and Stage 0 Studies (44-1583 / 44-15258) since 2006. Additionally, he has served as project manager for DOTD Safety IDIQ Contracts (44-1583 / 44-4402 / 44-10504 / 44-23689). Nick has also managed local and regional traffic impact studies, intersection studies, corridor studies, transportation management plans, signal timing studies, warrants analysis, traffic signal inventories, signal design projects and other traffic engineering related projects for both public and private projects. He is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, Tru-Traffic (TSPPDraft), SIDRA, VISSIM, and Dynameq. Mr. Ferlito is a certified Professional Traffic Operations Engineer (PTOE) and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.*
01/11 – 01/14	**LA 447 CORRIDOR STUDY:** Walker, LA (LA 16 to US 190) (S.P. No. 701-65-1534) Project Manager for a traffic study to evaluate corridor improvements along LA 447 as well as interchange concepts at I-12. A TIER analysis was performed at the interchange of I-12 at LA 447 to evaluate various interchange configurations. The corridor analysis included HCS and Vissim analysis to evaluate RCUT and roundabout corridor concepts. Includes multilane roundabouts
07/16 – Present	**I-49 SOUTH AT VEROT SCHOOL ROAD:** Lafayette, LA: (S.P. No. H.011235.5) Performed Traffic QA/QC on the preparation of a Transportation Management Plan and design of temporary and permanent traffic signals. Includes Roundabouts
08/20 – Present	**I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN BUILD:** Baton Rouge, LA (H.013897) Project Manager for Interchange Modification Report, Transportation Management Plan (TMP) and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with DOTD's TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) for evaluating various MOT strategies.
08/20 – Present	**COLLEGE DRIVE ENHANCEMENT PROJECT (PERKINS ROAD TO I-10):** Baton Rouge, LA PM for the Traffic Study component for the study of the College Drive corridor. The Traffic Study is being prepared in accordance with DOTD' TEPR and includes performing all analysis in Vissim to evaluate various alternatives. In addition to corridor improvements, a tiered analysis will be performed to evaluate various interchange alternatives for I-10 at College Drive. Dynameq was also used.
12/19 – Present	**US 80 FEASIBILITY STUDY:** Haughton, LA: Stage 0/Traffic & Safety Study (S.P. No. 44-10504, T.O. No. H.014044.1) Project Manager for the preparation of a Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR.
06/17 – 09/18	**I-10 NEW ORLEANS MASTER PLAN, PORT ACCESS IMPROVEMENTS:** RPC Project NOI-10MP, State Project No. H.012837. Created a plan or a program of projects which mitigates the severe congestion extending from Interstate 10 at its interchange with the Pontchartrain Expressway (US 90B / I-910) to the Crescent City Connection (CCC) crossing of the Mississippi River, including connecting ramps and roadways. Project Manager. Includes roundabout alternatives.

Firm employed by	**Neel-Schaffer, Inc.**
Name	**Nick Ferlito, Jr., PE, PTOE** *Continued Resume*
02/15 – 12/17	**US 51 (W UNIVERSITY TO I-55) CORRIDOR STUDY:** (Contract No. 4400004064, T.O. No. H.011401.1)—US 51 Corridor Study. Includes analysis of 8 roundabout geometry intersections. Project Manager
01/15 – 06/15	**LA 3002, 16 & 1034 CORRIDOR STUDY PHASE 2:** (Contract No. 4400004064, T.O. No. H.011645.1)—Range Ave. Corridor Study) Project Manager. Includes 12 roundabout alternatives.
01/15 – 06/15	**LA 3002, 16 & 1034 CORRIDOR STUDY PHASE 2:** (Contract No. 4400004064, T.O. No. H.011645.1)—Range Ave. Corridor Study) Project Manager. Includes 12 roundabout alternatives.
03/13 – 09/14	**OPERATIONAL / SAFETY STUDY, LA 311:** S.P. No. 4400002630, T.O. No. H.005043.2 – Houma, LA: Provided traffic signal evaluation and installation design services: Traffic counting (data collection), Warrant Analysis, Traffic Modeling, Intersection / Corridor Analysis Traffic Signal Design, Geometric Evaluations, Traffic Signal Inventories (TSI), and Access Management. Traffic Engineering Manager Includes 6 roundabout alternatives.
11/12 – 04/14	**OPERATIONAL / SAFETY STUDY, LA 1088:** S.P. No. 4400002630, T.O. No. H.010116 – Mandeville, LA: Provided traffic signal evaluation and installation design services: Traffic counting (data collection), Warrant Analysis, Traffic Modeling, Intersection / Corridor Analysis Traffic Signal Design, Geometric Evaluations, Traffic Signal Inventories (TSI), and Access Management. Traffic Engineering Manager Includes 8 roundabout alternatives.
01/13 – 01/14	**US 190 (LA 433 TO US 11) INTERIM CAPACITY / WIDENING IMPROVEMENTS STAGE 0 FEASIBILITY STUDY:** (RPC Project No. LA433) Performed a safety and capacity evaluation of a 6.6-mile segment of US 190 corridor within St. Tammany Parish extending from LA 433 to US 11. Traffic Engineering Manager. Includes 8 roundabout alternatives.
11/16 – 08/19	**LA 385 FEASIBILITY STUDY, LAKE CHARLES, LA – STAGE 0/TRAFFIC & SAFETY STUDY:** (S.P. No. 44-4402, T.O. No. H.012685.1) Project Manager for the Stage 0 Report in support of safety and traffic operational improvements along with the LA 385 (Ryan Street) corridor between LA 3186 south of I-10 to Eddy Street north of I-10, including the LA 385 interchange with I-10. Includes Multilane Roundabouts
10/13 – 12/16	**LA 30 STAGE 0, GONZALES, LA – TRAFFIC & SAFETY STUDY:** (S.P. No. 44-1862, T.O. H.010572.1) PM for the traffic study, including a TIER analysis for new interchange concepts atI-10 at LA 30, as well as corridor improvements between LA 3251 and LA 44. Future traffic forecast for the study were developed using the CRPC Travel Demand model and considered future interchanges at I-10 and LA 74 and LA 429. The recommended TIER I alternatives were analyzed in detail using Vissim. Includes Multilane Roundabouts
02/16 – 04/18	**LA 22 CORRIDOR STUDY, ROU MAR NEI DRIVE TO 1ST STREET:** (S.P. No. 44-4064, T.O. No. H.011618.1), Ponchatoula, LA Project Manager for a traffic study to evaluate corridor improvements along LA 22 as well as interchange concepts at I-55. A TIER analysis was performed at the interchange of I-55 at LA 22 to evaluate various interchange configurations. The corridor analysis included HCS analysis to evaluate RCUT and roundabout corridor concepts.
02/15 – 04/18	**LA 384 STAGE 0, LAKE CHARLES, LA – TRAFFIC & SAFETY STUDY:** (S.P. No. 44-4909, T.O. H.011242.1) Project Manager for traffic and safety study for LA 384 (Country Club Road) from Big Lake Road to McNeese Street. Includes Multilane Roundabouts
02/18 – Present	**KANSAS LANE-GARRETT ROAD CONNECTOR AND I-20 IMPROVEMENTS:** Monroe, LA: (S.P. No. H.004774.5 & H.007300.6) Project Manager/Traffic Lead for the preparation of a Level 4 Transportation Management Plan, review of MOT plans, design of temporary and permanent traffic signals and design of the relocation of DOTD ITS fiber optic trunk line.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Ellen Burke Howard, PE, PTOE**	Years of relevant experience with this employer	9
Title	Project Manager	Years of relevant experience with other employer(s)	4.5
Degree(s) / Years / Specialization		B.S. / 2009 / Civil Engineering	
Active registration number / state / expiration date		PE No. 38207 / LA / 03-31-2024; PTOE No. 3735	
Year registered	2013	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic & Safety Personnel**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mrs. Howard joined Neel-Schaffer, Inc. in January 2014. Before joining Neel-Schaffer, Mrs. Howard worked as a Traffic Engineer for LADOTD District 62. She also worked as a Traffic Engineer Intern for LADOTD's Traffic Engineering Management Section in Headquarters. She worked on a variety of projects involving Traffic Engineering Studies, Signal Timing and Coordination, Corridor Studies and Transportation Management Studies. During her employment at LADOTD, she also reviewed numerous Corridor Studies, Intersection Studies, Safety Studies, Traffic Impact Studies, and Temporary Traffic Control Plans. She is proficient in Traffic Engineering software such as HCS, Synchro, SIDRA, SimTraffic, VISSIM as well as LADOTD's CAT Scan safety tool. She also attended Highway Safety Manual (HSM) workshop, Highway Capacity Analysis Seminar, Roundabout Design Workshop, Traffic Signal Workshop, Synchro Training, Vissim Training, Access Management Location and Design Course, Alternative Intersections/Interchanges Workshop, and Crash Reconstruction for Traffic Engineers Course. With Neel-Schaffer, Mrs. Howard has served as a project engineer for the noted traffic related LADOTD projects. Mrs. Howard is a certified Professional Traffic Operations Engineer (PTOE), a certified Road Safety Professional Level 1, and has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.*
07/21 – Present	**US 190 ACCESS MANAGEMENT STAGE 0 AND TRAFFIC STUDY:** Traffic Engineer responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis, final traffic report
03/21 – Present	**MOVEBR N. SHERWOOD FOREST EXTENSION (C-P PROJ. NO. 20-CP-HC-0014):** Traffic Engineer responsible for initial and final data collection, existing safety analysis, existing and no build HCS analysis, alternatives HCS analysis, and final traffic report
09/20 – Present	**MOVEBR COLLEGE DRIVE ENHANCEMENTS (C-P PROJ. NO. 19-EN-HC-0033):** Traffic Engineer responsible for calibrated Vissim model, existing and no build traffic analysis and alternatives analysis.
09/21 – 07/22	**MOVEBR HARDING BOULEVARD AT INTERSTATE I-110 (C-P PROJ. NO. 20-CP-HC-0016):** Traffic Engineer responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis, Tier 1 alternative analysis, and final traffic report
08/20 – 10/21	**I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT (S.P. H.013897.1):** Traffic Engineer responsible for calibrated Vissim model and traffic analysis, and Interchange Modification Report
12/19 – 03/20	**US 80:** Intersection @ Bellevue Rd (S.P. No. 4400010504, T.O. No. H.014044.1): Traffic Engineer responsible for Initial and final data Collection, existing safety analysis, and Chapter 1 of Final Report and signalized intersection analysis.
01/19 – 03/20	**DISTRICT 07 SAFETY INVESTMENT PLAN:** Traffic Engineer responsible for data collection
10/18 – 04/19	**KANSAS LANE – GARRETT ROAD CONNECTOR AND I-20 IMPROVEMENTS (S.P. H.007300):** Traffic Engineer responsible for 90% Submittal Stage Draft Transportation Management Plan
10/17 – 01/18	**MOVE ASCENSION - 6 INTERSECTION IMPROVEMENT STUDIES FOR ASCENSION PARISH:** Traffic Engineer responsible for data collection, intersection traffic operational analyses (Synchro, Vistro, and Sidra), safety analyses, warrant analysis, signal analysis, benefit/cost analyses, and traffic report preparation
08/16 – 01/17	**LA 433 AT CARROLL ROAD, STAGE 0 STUDY CONSIDERING CONSTRUCTION OF MODERN ROUNDABOUT (ST. TAMMANY P.O. S109476):** Traffic Engineer responsible for intersection operational analyses (Synchro and Sidra), warrant analysis.

Firm employed by	**Neel-Schaffer, Inc.**
Name	**Ellen Burke Howard, PE, PTOE** *Continued Resume*
02/16 – 04/18	**LA 22 (ROU MAR NEI DRIVE TO 1ST STREET) (CONTRACT NO. 4400004064, T.O. NO. H.011618.1):** Traffic Engineer assisted with corridor traffic operational analyses including traffic signal analysis.
09/15 – 01/17	**US 90 - US 61 - LA 611-9 CORRIDOR IMPROVEMENTS (S.P. NO. 4400004829, T.O. NO. H.011646.5):** Traffic Engineer responsible for warrant analysis, safety analysis, signal inventory, travel time runs, initial and final data collection report preparation
09/15 – 05/16	**LA 19 WIDENING (LA 64 TO SUNSET BLVD.) - STAGE 0 STUDY (S.P. NO. 4400004012, T.O. NO. H.011695.1):** Traffic Engineer responsible for data collection, warrant analysis, intersection operational analyses (Synchro), and traffic report preparation
02/15 – 12/17	**US 51 BUSINESS (I-12 TO COLEMAN) CORRIDOR STUDY (CONTRACT NO. 4400004064, T.O. NO. H.011402.1)—US 51 BUSINESS CORRIDOR STUDY:** Includes analysis of three roundabout geometry intersections. Traffic Engineer assisted with Corridor Operational Analyses
02/15 – 12/17	**US 51 (W UNIVERSITY TO I-55) CORRIDOR STUDY (CONTRACT NO. 4400004064, T.O. NO. H.011401.1):** Includes analysis of eight roundabout geometry intersections. Traffic Engineer assisted with Corridor Operational Analyses
01/15 – 06/15	**LA 3002, 16 & 1034 CORRIDOR STUDY PHASE 2 (CONTRACT NO. 4400004064, T.O. NO. H.011645.1):** Traffic Engineer responsible for data collection and traffic signal analysis.
01/14 – 12/16	**LA 30 STAGE 0, GONZALES, LA – TRAFFIC & SAFETY STUDY (S.P. NO. 44-1862, T.O. H.010572.1):** Traffic Engineer responsible for data collection, corridor traffic operational analysis (Synchro and Sidra), calibrated Vissim modeling, Stage 0 Traffic Report
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 – 05/15	**SAFETY STUDY, LA 49 (WILLIAMS BLVD.,) KENNER, LA – STAGE 0 / SAFETY STUDY (S.P. NO. 4400001583, T.O. NO. H.010570):** Traffic Engineer responsible for data collection, intersection operational signal analyses (Synchro), and Vissim modeling.
01/14 – 06/14	**STAGE 0 STUDY, CONSIDERING THE EXTENSION OF EDENBORNE PARKWAY TO SOUTH ST. LANDRY ROAD (APPROXIMATELY 1 MILE) FOR ASCENSION PARISH:** Traffic Engineer responsible for intersection operational analyses (Sidra).

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Jonathan Duhe, PE, PTOE, RSP[1]**	Years of relevant experience with this employer	9
Title	Project Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		B.S. / 2011 / Civil Engineering	
Active registration number / state / expiration date		PE No. 41047 / LA / 03-31-2023; PTOE No. 4418; RSP No. 282	
Year registered	2016	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic & Safety Personnel**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Duhe joined Neel-Schaffer in 2013 and has nearly a decade of experience working on a wide range of traffic and transportation projects. Mr. Duhe has worked on many intersection/corridor signal timing studies and signal design projects and other traffic engineering related projects for both public and private projects. Mr. Duhe is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Mr. Duhe has completed training and has experience using LADOTD's CAT Scan safety tool. Mr. Duhe is a certified Professional Traffic Operations Engineer (PTOE), a Road Safety Professional (RSP1) and has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.*
08/22 – Present	**LRSP ARDENWOOD DR ROAD DIET (CONTRACT NO. 4400013850, T.O. NO. H.013622.5), BATON ROUGE, LA:** - Project Engineer, Responsible for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (HCS, Sidra), Safety Analyses, Traffic Report Preparation
07/21 – Present	**FYA SIGNAL IMPROVEMENT (LCG) (CONTRACT NO. 4400013850, T.O. NO. H.014579.5) LAFAYETTE, LA:** Project Engineer. Oversaw development of signal plans to upgrade 28 intersections to include flashing yellow arrow signal heads as well as backplates.
09/21 – Present	**HARDING BLVD AT I-110 (CP PROJECT NO. 20-CP-HC-0016), BATON ROUGE, LA:** Traffic Engineer. Performing a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I-110 Ramps in an effort to improve capacity. Assisted with data collection and Initial Data Collection Report.
09/20 – Present	**COLLEGE DRIVE ENHANCEMENT PROJECT (CP PROJECT NO. 20-CP-HC-0033), BATON ROUGE, LA:** Traffic Engineer. Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.
06/20 – Present	**I-10/12 COLLEGE DRIVE FLYOVER DESIGN BUILD (H.013897.1), BATON ROUGE, LA:** Traffic Engineer. Performing a traffic study at the I-10/12 merge in an effort to improve capacity and safety. Assisted with uncalibrated VISSIM model. Assisted with safety analysis.
04/20 – 06/21	**DISTRICT 05 SAFETY INVESTMENT PLAN (CONTRACT NO. 4400010504, T.O. NO. H.014295.1) DISTRICT 05, LA:** Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LaDOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
02/19 – 03/20	**DISTRICT 07 SAFETY INVESTMENT PLAN (CONTRACT NO. 4400010504, T.O. NO. H.013826.1) DISTRICT 07, LA:** Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LaDOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
06/15 – 09/16	**LA 39/LA 46/LA 47 CORRIDOR SIGNAL IMPROVEMENTS:** New Orleans, LA (S.P. No. 44-4829, T.O. No. H.011648.1) Engineer Intern Assisted with Data Collection (Signal Inventory/Travel Time Runs), Signal Warrant Analyses, Intersection Operational Analyses (Synchro) to develop signal timing, and Traffic Signal Design Plans
08/16 – 07/19	**US 425 / US 84 CORRIDOR STUDY:** (S.P. No. 44-4064, T.O. No. H.011930.1), Vidalia, LA – Ferriday, LA - Project Engineer, Responsible for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (Synchro, Sidra), Warrant Analyses, Traffic Report Preparation

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Vijay Kunada, PE, PTOE, PTP**	Years of relevant experience with this employer	16.5
Title	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. 0032145 / LA / 03-31-2024; PTOE No. 2868		
Year registered 2006	Discipline: Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Traffic & Safety Personnel**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Kunada joined Neel-Schaffer, Inc. in 2006. Mr. Kunada serves as a project manager for local and regional transportation plans, traffic impact studies, travel demand models, safety studies, signal warrant analysis, traffic signal timing plans, corridor analysis, interchange modification and justification studies, traffic simulation models (mesoscopic and micro), demographic forecasting, and other traffic engineering related projects for both public and private developments. He has extensive experience in traffic modeling including census data analysis, travel demand model development using TransCAD and CUBE, mesoscopic modeling using Dynameq and TransModeler, demographic forecasting, region wide safety data analysis, external travel surveys, Highway Capacity Software, Synchro, SimTraffic, ISATe, VISSIM, TransModeler, Dynameq, COSRSIM, DynaSmart-P, Trip Generation, traffic studies for Environmental Impact Statement projects, intersection studies and corridor analysis. His experience with traffic operational analysis includes microsimulation, freeway mainlines, ramp merge/diverge areas, weaving segments, multilane & 2-lane highways and intersection operations He has also completed LADOTD's Traffic Engineering Process and Report (TEPR) training.*
07/20 – Present	**MRB SOUTH GBR, LA 1 TO LA 30 CONNECTOR:** S.P. No. H.013284, As Mesoscopic Modeling Lead, Mr. Kunada is oversaw the development of regional mesoscopic model using Dynameq software and the analysis of proposed MS River bridge concepts under toll and non-toll options. Calibrated and validated 2019 base mesoscopic model, 2042 no-build model and 2042 build models for 20 bridge alternatives were developed and approved LADOTD. Model results were used as one of the criteria to select the final three alternatives to bring into the environmental planning process. Phase 2 of the study which includes detailed traffic analysis is currently under contracting process.
10/21 – Present	**MOVEBR'S COLLEGE DRIVE ENHANCEMENT PROJECT, BATON ROUGE, LA:** Mesoscopic Modeling (Dynameq) Lead to analyze several off and on corridor concepts considered in the vicinity of College Drive between Perkins Road and I-10. These concepts were modeled to determine which concept, or group of concepts, would result in the most improvements within the study area.
08/20 – Present	**I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN BUILD, BATON ROUGE, LA:** Mesoscopic Modeling Lead for the analysis of Transportation Management Plan (TMP) for the proposed College Drive Ramp improvements. TMP was prepared for the various maintenance of traffic (MOT) phases. Vijay is leading the Dynameq (Mesoscopic Modeling) modeling for evaluating various MOT strategies and completed the modeling of MOT Phase 1.
08/16 – 10/18	**I-10 MOBILE RIVER BRIDGE AND BAYWAY WIDENING:** Mobile, AL (DPI-0030(005)) As IMR Lead, Mr. Kunada oversaw the development of IMR from data collection phase through the approval of IMR by FHWA on October 3, 2018. Tasks included traffic forecast for toll and non-toll options, analysis of the proposed Mobile River Bridge and the widening of the Bayway using Synchro/HCS, as well as the proposed modifications to the interchanges within the study area including Diverging Diamond Interchange (DDI) configurations at three locations, VISSIM modeling for analyzing complex weave conditions and the development of IMR in accordance with ALDOT guidelines and FHWA Policy Points.
12/18 – 02/19	**I-635 LBJ EAST ALTERNATIVE TECHNICAL CONCEPTS:** Dallas, TX: Project Manager – Lead the traffic analysis and refinement of the Alternative Technical Concepts (ATC) proposed for three interchanges associated the I-635 LBJ East Project in Dallas, TX. Freeway elements, ramp terminals and frontage roads were analyzed for the original build concept and the proposed ATCs and demonstrated the effectiveness of the proposed ATCs over the original build concept.

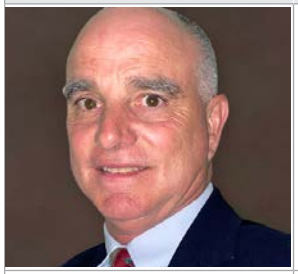
Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Santosh Andem, PE, PTOE**	Years of relevant experience with this employer	11
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization	B. Tech / 2003 / Civil Engineering; MS / 2006 / Civil Engineering		
Active registration number / state / expiration date	PE No. 36465 / LA / 03-31-2024; PTOE No. 3017		
Year registered 2011	Discipline: Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Traffic & Safety Personnel**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Andem joined NSI in 2011 and serves as a traffic engineer/transportation planner for traffic impact studies, traffic simulation models, signal timing, local and regional travel demand models, corridor analysis, demographic forecasting and other traffic engineering related projects for both public and private developments. He has extensive experience in traffic engineering which includes safety studies related to intersection/lane departure/pedestrian, signal warrant analysis, roadside hazard, fatal crash reviews, corridor analysis, qualitative assessment, signal timing, signal design traffic impact studies and traffic control. Mr. Andem has experience in using Synchro/Sim Traffic, Highway Capacity Software (HCS), VISSIM, Tru-Traffic, AutoCAD, Microstation and SignCAD. Additionally, he has working knowledge of CORSIM and TransCAD. He completed the Highway Safety Manual. 2 ½ day workshops conducted by the FHWA Resource Center, NCHRP 17-38 in May 2014, as well as LADOT's Traffic Engineering Process and Report training.*
01/14 – Present	**ROUNDABOUT STAGE 0 STUDIES:** Lafayette Consolidated Government, Lafayette, (SPN H.004490) This is a task order contract to conduct Stage 0 Feasibility Studies which evaluate constructability, safety, and operations of modern roundabout at 23 intersections. Tasks completed by Mr. Andem include signal warrant analysis, crash analysis, spot speed data analysis, traffic analysis of existing and future volumes, forecasting future volumes using Lafayette Metropolitan Organization Travel Demand Model, and preparation of the report detailing the findings and recommendations.
04/18 – 04/20	**REES ST (LA 328) CORRIDOR STUDY:** (SPN H.013023, F.A.P. No. H.013023) This is a feasibility Study of improving LA 328/Rees Street from Latiolais Drive to Bridge Street. Tasks completed include data collection, intersection/corridor analysis for existing and future conditions, field review observations, intersection and corridor safety analysis for No Build and existing conditions, forecasting future volumes and active participation in public meetings.
04/18 – Present	**LA 1256 CORRIDOR STUDY FROM PATTON STREET TO DAVE DUGAS RD:** Calcasieu Parish, LA: This project involves widening of LA 1256 from Patton St. to Dave Dugas Rd. Three Roundabout intersection are analyzed. Tasks completed include intersection and corridor safety analysis, data collection, roundabout analysis using SIDRA for existing and future volumes, writing technical memorandum documenting conclusions and recommendations.
01/22 – 10/22	**LA 92 CORRIDOR STUDY, YOUNGSVILLE, LA:** This purpose of this project is to develop and evaluate the improvements along the East Milton Avenue/ Iberia Street Corridor that would improve the existing corridor traffic operations. Tasks completed by Mr. Andem included spot speed data analysis, traffic analysis of existing and rerouted volumes using SIDRA and HCS software's and developing report detailing findings and recommendations.
01/22 – 10/22	**JOHNSTON STREET FROM UNIVERSITY AVENUE TO US 90/SE EVANGELINE THRUWAY:** Lafayette Consolidated Government, Lafayette, LA: The primary purpose of this study is to evaluate the feasibility of complete streets along Johnston Street from University Avenue to Southeast Evangeline Thruway to provide options for all users of transportation. Mr. Andem worked on the traffic analysis of existing and rerouted volumes using Synchro, safety analysis and preparation of the report detailing study findings and recommendations.
03/12 – 04/12	**N. UNIVERSITY AVENUE (LA 182) WIDENING:** Lafayette Consolidated Government, Lafayette, LA: This project involves widening of University Avenue between I-10 and Pont des Mouton Road. Three roundabout geometry intersections are proposed. Tasks completed by Mr. Andem includes preparing a VISSIM model for build scenario, air quality analysis using MOVES 2010a and preparing air quality report documenting study findings.
01/22 – 10/22	**SECOND STREET TRAFFIC STUDY:** Lafayette, LA: The primary purpose of this study is to evaluate the feasibility of converting Second Street and Third Street from one-way streets to two-way streets between South Pierce Street/West Garfield Street and North Grant Street. Tasks completed by Mr. Andem included the traffic analysis of existing and rerouted traffic volumes using Synchro and SIDRA analysis software's and preparation of the report detailing study findings and recommendations.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Charles LeBoeuf, PE, PTOE**	Years of relevant experience with this employer	8
Title	Project Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS / 2012 / Civil Engineering; MS / 2014 / Civil Engineering		
Active registration number / state / expiration date	PE No. 42854 / LA / 03-31-2023; PTOE No. 5397		
Year registered 2018	Discipline: Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Traffic Study/Traffic Forecasting**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. LeBoeuf joined Neel-Schaffer in 2014 and has eight years of experience in the engineering field, including 18 months as a Co-Op student with the Louisiana Department of Transportation and Development. Since joining Neel-Schaffer, Mr. LeBoeuf has provided a wide variety of transportation-related services, including travel demand modeling, GIS, crash analysis, traffic analysis, and mesoscopic modeling. He also has experience in the collection of turning movement counts for development projects. He has also completed LADOTD's Traffic Engineering Process and Report (TEPR) training.*
02/22 – Present	**PINHOOK ROAD AT KALISTE SALOOM ROAD, LAFAYETTE, LA:** This project evaluated the conversion of the intersection of Pinhook Road at Kaliste Saloom Road from a full access signalized intersection to a quadrant intersection. For this project, Mr. LeBoeuf analyzed the proposed intersection concept in Synchro and developed signal timings and lane geometry that would reduce intersection delay.
10/21 – Present	**COLLEGE DRIVE ENHANCEMENT PROJECT, BATON ROUGE, LA:** Several off-corridor concepts were considered in the vicinity of College Drive between Perkins Road and I-10. Mr. LeBoeuf analyzed these off-corridor concepts using mesoscopic modeling to determine which concept, or group of concepts, would result in the most improvements within the study area. These improvements include a reduction in vehicle delays and shifts in traffic volumes.
02/21 – Present	**I-10 AND I-12 COLLEGE FLYOVER RAMP DESIGN-BUILD PROJECT, BATON ROUGE, LA:** This project documented the expected work zone impacts to I-10, I-12, and nearby surface arterials due to the construction of the College Drive Flyover. Mr. LeBoeuf analyzed the expected work zone impacts using mesoscopic modeling 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 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.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Ronald Kirk Gallien, PE, PTOE**	Years of relevant experience with this employer	2.7
Title	Senior Project Manager	Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering	
Active registration number / state / expiration date		PE No. 23428 / LA / 09-30-2023; PTOE No. 1288	
Year registered	1989	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic and Safety 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 time specified in the applicable MPR(s).
	*Certifications* • *Professional Civil Engineer – State of Louisiana* • *Professional Environmental Engineer – State of Louisiana* • *Professional Traffic Operations Engineer* • *Traffic Engineering Process and Report (Modules 1, 2 & 3) – DOTD* • *Safety Inspection of In-Service Bridges – National Highway Institute* • *National Incident Management System – FEMA* • *Crash Investigation and Reconstruction – Northwestern University*
1994 – 2007	**DOTD DISTRICT 05 – DISTRICT TRAFFIC OPERATIONS ENGINEER** • Performed numerous traffic studies and composed numerous traffic engineering reports which included analysis of traffic operations, warrants analysis for the installation of new traffic signals, designing new traffic signal installations, designing timing plans for new traffic signals or modifications to existing traffic signals, designing new and modified signing, designing new and modified pavement markings, establishing new speed limits, and modifying existing speed limits. • Annually investigated and analyzed existing traffic control devices at locations identified as having a high potential for safety improvement. Recommended and implemented modifications to improve traffic operations and safety at these locations. • Coordinated and supervised the design of timing plans to upgrade all traffic signals in District 05 (approximately 275) from electromechanical to electronic controller operations. Coordinated and supervised upgrades to these traffic signals in accordance with new timing plans. • Reviewed access connection plans and site plans. Worked closely with private developers and public entities regarding access to proposed developments to ensure conformance with all DOTD standards. • Completed construction lay-out of pavement markings on numerous highway construction projects, including centerline passing/no passing zone markings on overlay projects. • Served as the legal expert in Traffic Engineering for District 05. Responded to numerous interrogatories and requests for production, provided numerous depositions, and testified in court on a number of occasions. **PROJECTS:** • Computerized Traffic Signal System in District 05 (State Project No's. 015-31-0043 & 016-01-0034) – Reviewed consultant plans regarding design of a new closed loop traffic signal system to ensure compliance with all DOTD standards and provided technical assistance to the consultant during design of the project. Provided technical assistance to construction personnel during the installation of new traffic signal and signal communication field equipment. After completion of the project, implemented and utilized the computerized traffic signal system to manage traffic operations on US 165. • I-20 Elevated Section Rehabilitation Ouachita Parish (State Project No's. 451-06-0121 & 451-06-0139) – Provided technical assistance regarding interstate lane closures and traffic control during design and construction of the project. • I-20 Mississippi River Bridge Modifications – Provided technical assistance regarding interstate lane closures and traffic control during design and construction of the project.

Firm employed by	**Neel-Schaffer, Inc.**
Name	**Ronald Kirk Gallien, PE, PTOE** *Continued Resume*
2007 – 2014 and 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. • Administered all contract maintenance activities in District 05. • Reviewed traffic impact studies and reviewed and approved access connection, utility, and project permits in District 05. • Planned, managed, and directed all emergency response activities in District 05, which included emergency response, temporary and permanent repairs, and recovery related to hurricanes, flooding, tornados, and winter weather events.
2014 – 2018 2020 – Present	**DOTD HEADQUARTERS – ASSISTANT SECRETARY OF OPERATIONS** • Completed traffic studies and prepared written Traffic Engineering reports. Specific duties performed for traffic engineering studies included compiling filed data, performing peak period observations, performing warrants analyses, performing capacity analyses, QA/QC of field data and analyses, forming conclusions and recommendations based on the results of analyses, and preparation of technical reports. These studies included developments such as a 600-student middle school, a 400-student charter school, commercial subdivisions, and a 650-unit student housing facility near Louisiana Tech University. Additionally, traffic studies and Traffic Engineering written reports included evaluations at numerous intersections to determine if a new traffic signal is warranted, if modifications to existing traffic signals or traffic control are warranted, if modifications to signing is warranted, and if modifications to pavement markings is warranted. • Compiled field data and assisted with analysis of data and preparation of a written report to create the District 05 Safety Investment Plan for DOTD District 05, 4400010504, Task Order No. H.014295.1. This included analysis of crash data, determination of crash patterns, determination of appropriate safety countermeasures, benefit/cost analyses, compilation of results, and compilation of recommended safety improvements for 32 state and local segments as well as 99 state and local intersections. • Prepared Level 4 Transportation Management Plan for the I-10 and I-12 College Drive Flyover Design Build project, H.013897.6. Preparation of the Transportation Management Plan included identifying the scope, goals, and constraints of the project, performing traffic and safety analyses, and assessing detour routes to effectively manage traffic during the project. Assisted with developing plans for stakeholder and public involvement during the project as well as the development of plans for maintenance of traffic, temporary traffic control, and work zone management strategies to be implemented during the project. • For the Garrett Road-Kansas Lane Connector project, H.007300, assisted in preparation of a Level 4 Transportation Management Plan. Assisted with the design of temporary traffic control, design of temporary traffic signal operations, and design of temporary and permanent traffic signal construction required for the project. Reviewed plans and performed QA/QC for temporary and permanent traffic signals and temporary and permanent traffic control throughout the entire project limits.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Peter Allain, PE, PTOE**	Years of relevant experience with this employer	4
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization	BS / 1979 / Civil Engineering; MS / 1988 / Civil-Environmental Engineering		
Active registration number / state / expiration date	PE No. 20966 / LA / 03-31-2023; PTOE No. 0949		
Year registered: 1984	Discipline: Professional Engineer, Civil and Environmental		
Contract role(s) / brief description of responsibilities	Role on this Project: **Traffic and Safety 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 time specified in the applicable MPR(s).
	*Mr. Allain has 36 years of engineering experience working for Louisiana DOTD as a consultant and employee. He contracted as Crash Data Engineer for Louisiana Local Technical Assistance Program for 2 years, assisting local agencies with highway safety issues on local roads. He served as the DOTD Traffic Engineering Division Administrator for 14 years, developing and managing statewide policy, project programming and project design of geometrics, traffic control and access. He served as State Traffic Engineer for 8 years, focusing on policy development and implementation by the nine District Traffic Operations Engineers. He worked as the Hydraulic Structures Engineer for 12 years, designing headwalls, retaining walls, catch basins, and manholes as well as performing hydraulic designs for bridges, culverts and storm sewer systems. He is thoroughly familiar with all aspects of traffic engineering and safety analysis for highway design and operation. He has managed the design of numerous projects including signing, pavement marking, geometrics, and traffic signals. He is knowledgeable of constraints imposed by federal and state statutes and regulations. He has been instrumental in developing many policies, standard plans, and specifications and is thoroughly knowledgeable of federal, state, and local traffic and safety procedures and standards. He has been trained and is technically competent with Syncro, Sidra, ArcMap, Micro Station, and various DOTD traffic engineering and safety software applications. During his time as DOTD Traffic Engineering Division Administrator, he managed 30+ employees of the Traffic Management Section (Section 77) and the Traffic Development Section (Section 27). In this position he functioned as the program manager for the Operations/Traffic Control Program with annual budget of $15.0 M, and the Operations/Access Management Program with annual budget at $6.5 M. During his time with DOTD he served as a legal expert in roadway hydraulics, traffic engineering, and accident reconstruction. As legal expert and DOTD representative he responded to legal interrogatories, gave depositions, and testified in court. He assisted in the development of numerous regulations through the Louisiana Administrative Code process on Access Management, traffic operations, speed limits, and outdoor advertising. He testified numerous times at the Louisiana House and Senate Transportation Committees on various traffic engineering issues. During his time with DOTD he was responsible for the statewide development and application of traffic engineer policy, design, and operations. He was responsible for the review and adoption of revisions to the MUTCD, the development of policy in the form of EDSM's and the Traffic Design Manual. He supervised the development and revision of the DOTD Design Standards, DOTD Standard Plans, and traffic related Standard Specifications. He served on the National Committee on Uniform Traffic Control Devices and assisted in the revision of the MUTCD and served on several NCHRP research studies. Some of his project experience includes:* • *Interstate Signing Program - Served as program manager, project manager and design engineer for various Interstate signing projects involving the upgrading and replacement of overhead guide signs, regulatory signs, and interchange signs. These projects included the statewide deployment of enhanced mile markers and hurricane evacuation contra flow signing.* • *Interstate Pavement Marking Program - Served as program manager, project manager and design engineer for various Interstate striping projects involving the periodic replacement of pavement markings. Development of standards such as the use of multiple pavement markings in urban areas and on elevated roadways, and the use of Interstate shields at major Interstate to Interstate interchanges.* *Mr. Allain is a certified Professional Traffic Operations Engineer and has completed the Highway Safety Manual (HSM) training as well as LADOTD's Traffic Engineering Process and Report (TEPR) and CAT Scan safety tool training.*
01/22 – Present	**US 167, I-10 TO WILLOW STREET ROADWAY SAFETY ANALYSIS (RSA):** 4400010504, Task Order No. H.014959.1. Senior Engineer responsible for conducting existing pedestrian/bike safety analysis within the study, coordinating with stakeholders on RSA meeting and site visit, development of low-cost safety improvements and preparation of the RSA report.

Firm employed by	**Neel-Schaffer, Inc.**
Name	**Peter Allain, PE, PTOE** *Continued Resume*
07/21 – Present	**DISTRICT 61 INTERSECTION SAFETY STUDIES:** 4400010504, Task Order No. H.014684.1. Senior Engineer responsible for quality assurance and control for CAT Scan analysis, countermeasure selection, countermeasure comparison and intersection study reports and recommendations.
02/19 – 03/20	**DISTRICT 07 SAFETY INVESTMENT PLAN:** 4400010504, Task Order No. H.013826.1. Senior Engineer responsible for quality assurance and control for CAT Scan analysis, countermeasure selection, countermeasure comparison and intersection study reports and recommendations.
02/18 – 02/19	**DISTRICT 0 SAFETY INVESTMENT PLAN:** 4400010504, Task Order No. H.013826.1. Senior Engineer responsible for quality assurance and control for CAT Scan analysis, countermeasure selection, countermeasure comparison and intersection study reports and recommendations.

PERSONNEL RESUMES
Line & Grade

Firm employed by	**G.E.C., Inc.**		
Name	**Jerome Lohmann, PE**	Years of relevant experience with this employer	7
Title	Senior Project Manager	Years of relevant experience with other employer(s)	32
Degree(s) / Years / Specialization	B.S. / 1984 / Civil Engineering; A.A.S / 1977 / Surveying		
Active registration number / state / expiration date	24673 / Louisiana / 09-30-2024		
Year registered 1992	Discipline	Professional Engineer, Civil	
Contract role(s) / brief description of responsibilities	Role on this Project: **Technical Lead, Line & Grade, Roadway**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Lohmann has over 38 years of diversified engineering, surveying, and construction experience to his credit. He began his career working for an engineering/construction company in 1969. Since that time, he has gained progressive experience, an Associate degree in Applied Science (Surveying), and B.S. in Civil Engineering. His career has included extensive experience in the area of surveying (right-of-way, boundary, topographic, hydrographic, construction, route/location, etc.), sanitary sewer design, water supply systems, highway and transportation systems, drainage design, etc. Mr. Lohmann has served as Project Manager/Design Engineer on various LADOTD Projects. He has been responsible for the design and management of projects ranging in magnitude from Off- System Bridge Replacement Projects to a major interchange on I-49.*
11/15-05/17 **SECTION 17 PROJECT**	**H.004987 / US 190/COLLINS BOULEVARD WIDENING (LA 25 TO US 190B) ENVIRONMENTAL ASSESSMENT: Covington, LA.** *Line and Grade Project Manager*- Mr. Lohmann was the technical lead for the line and grade in assisting with the preparation of an EA with FONSI for the widening of approximately 3 miles of U.S. Hwy 190, a project that included the construction of new bridges across the Bogue Falaya River, in accordance with DOTD, FWHA, and NEPA requirements. He oversaw the development of all line and grade conceptual drawings and report in support of the EA. The alternatives evaluated proposed to widen the roadway to include four 12-ft. travel lanes separated by a 26-ft.-wide median. A 7-ft. wide paved shoulder and a curb and gutter located along both sides of the roadway. The US 190 bridge over the Bogue Falaya River was proposed to be widened to four travel lanes, with a section of the roadway between the bridge and LA 437 to include five 12-ft. travel lanes to extend a right turn lane onto LA 437. Ten roundabouts replaced signalized intersections to facilitate traffic flow. A multi-use pedestrian/bicycle path was proposed along the project corridor from LA 25 to the existing Tammany Trace where it crosses the Bogue Falaya River.
11/15-08/16 **SECTION 17 PROJECT**	**H.004983 / US 11 WIDENING (LAKE PONTCHARTRAIN-SPARTAN DRIVE) ENVIRONMENTAL ASSESSMENT: Slidell, LA.** *Project Manager* - Mr. Lohmann led the team in developing the line & grade study and, under a separate contract, designed approximately 2,700' of divided two-lane & multi-lane roadway to raise the roadway over the levee on Schneider Canal. The line & grade study and alternatives analysis encompassed 4 alternatives, which was narrowed down to 2 alternatives analyzed in the EA report. Mr. Lohmann's leadership resulted in the preparation of an approved EA Report, Line and Grade Study, Environmental Checklist, and FONSI. This was the first project advertised and let by LADOTD that included a levee.
09/20-Present **SECTION 17 PROJECT**	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Project Manager* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Lohmann is Project Manager, overseeing design of a six-lane, curb and gutter roadway with subsurface drainage, bridge replacement, green infrastructure and pedestrian facilities. GEC's design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Mr. Lohmann supervised a study of the existing bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This study started with an NBIS bridge inspection to determine Condition Ratings for the bridge superstructure, substructure, and piles. A Bridge Load Rating was then carried out based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. Based on the load rating, GEC recommended that the existing bridge be replaced. Includes a level 2 TMP.
11/15-Present	**H.003074 / I-10 WIDENING, WILLIAMS BLVD. TO VETERANS BLVD.: Jefferson Parish, LA.** *Project Manager* - GEC is currently designing the widening of I-10 between Williams Boulevard and Veterans Boulevard interchanges in Jefferson Parish. Final design plans are over 90% complete. The total project length is 2.58 miles and consists of the construction of one 12' additional lane with a 10' shoulder inside along the I-10 eastbound and westbound roadways. Mr. Lohmann provided design in the preliminary plans phase and design review of the roadway during the final plans phase.

Firm employed by	**G.E.C., Inc.**
Name	**Jerome Lohmann, PE** *Continued Resume*
2002-2013	**LADOTD TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM: Statewide, LA.** *Design Segment Manager* - For the two years Mr. Lohmann served as a Design Segment Manager (DSM), he was responsible for taking over 8 LADOTD TIMED projects at different stages of completion and coordinated all the preconstruction activities through letting, including all roadway and bridge services required to reach construction. His innovative design skills resulted in the reduction of right-of-way required for construction.
07/95-11/03	**817-09-0028 / OLD HAMMOND HIGHWAY (US 61 TO BLVD. DE PROVINCE), ROUTE LA 426 ENVIRONMENTAL ASSESSMENT: East Baton Rouge Parish, LA.** *Project Engineer* - This project consisted of an Environmental Assessment (EA) or Finding of No Significant Impact (FONSI), right-of-way acquisition, preliminary plans, final plans, and utility relocation for the widening of LA 426 to a 5-lane urban section for approximately 3.9 km (2.4 miles) and a complete topographic survey using total station and data collectors along with right-of-way maps. The Urban Roadway consisted of four travel lanes and one continuous turn lane with curb and gutter and subsurface drainage. The project also included design of several major and minor intersections. Mr. Lohmann was responsible for EA management, survey management, line and grade study, design of preliminary and final plans and management of the right of way acquisition and relocation. This project included a level 2 Transportation Management Plan (TMP). **Mr. Lohmann's innovative idea of providing the first composite utility plan for the LADOTD Old Hammond Highway was a success. He took all of the utility company's plans and created a composite utility plan to ensure all of the utilities would fit within the ROW to reduce the number of conflicts during construction. In the past, each utility company submitted their plans and moved them without verifying other utilities. We will utilize this method on this project. Our sub consultant TBS can perform SUE and provide us with even more information that we can use in the L&G study to minimize the impact and thus the cost of utility modification and relocation.**
04/19-12/21	**CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Project Manager* - Mr. Lohmann was Project Manager performing a Design Study including hydraulics, environmental, and geotechnical considerations, overseeing topographic survey and right-of-way (ROW) mapping as required; and developing preliminary and final construction plans and cost estimates. The project included the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek & existing Sarasota Drive bridge over Engineers Depot Canal.
09/19-Present	**LASAFE-AIRLINE AND MAIN COMPLETE STREETS: St. John the Baptist Parish, LA.** *Project Manager* - Mr. Lohmann managed the development of typical sections and preliminary layout for the project, which consists of a 10' sidewalk, 5' sidewalk along the north side of US 90, and bike lanes on shoulders. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Along Main St., the design will provide parallel parking utilizing decorative brick and permeable base to reduce time of concentration. Mr. Lohmann oversaw the calculation of preliminary quantities and development of a preliminary estimated construction cost. He proposed the conceptual design to the Parish and received approval. He also oversaw development of the fee for all costs from surveying to construction. The project is currently under construction with an estimated completion of June 2023.
08/02-12/15	**H.002301 / NORTH SHERWOOD FOREST DR IMPROVEMENTS: East Baton Rouge Parish, LA.** *Project Manager/Lead Road Design Engineer*- Project replaced 1.8 miles of rural two-lane roadway with a five-lane urban roadway with subsurface drainage, including the design of 6' sidewalks on both sides of the roadway. Mr. Lohmann managed the project from the EA through final plans. For the environmental phases, he served as the lead for the line and grade study development. For the preliminary and final plan phases, he served as the lead road design engineer and was responsible for complete development of the roadway plans, including the topographic survey, horizontal and vertical geometry, existing and design drainage maps, right-of-way maps, sub-surface drainage design, cross drain design, erosion control, striping, and construction phasing. He personally designed the geometric alignments, turning lanes, numerous connections to and a re-alignment of existing roads with extensive earthwork requirements.
02/02-11/05	**BURBANK DRIVE (LA 42), SEGMENT I (W. LEE DR. TO BLUEBONNET BLVD.): East Baton Rouge Parish, LA.** *Project Manager* - For 3.5 miles at Burbank Road, Mr. Lohmann designed the widening from two to 4 lanes divided urban roadway, including geometric design, drainage design, sequence of construction, and quantity calculations. (City/Parish Project No. 06-CS-HC-0008)

Firm employed by	**G.E.C., Inc.**		
Name	**Christopher Nipper, PE**	Years of relevant experience with this employer	5
Title	Road Design	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engineering	
Active registration number / state / expiration date		43281 / Louisiana / 09-31-2023	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Line & Grade**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Nipper has 7 years of experience with civil design projects, including roadway widening and realignment, including those requiring drainage systems. In addition, he has designed projects requiring milling and overlay. He has experience performing hydraulic analyses and preparing associated hydraulics reports for bridge and roadway design projects. Prior to joining GEC, Mr. Nipper worked with LADOTD for over two years, affording him knowledge of their standards and guidelines required for roadway projects. He is also very familiar with AASHTO standards and guidelines.* ***Mr. Nipper has completed the following training: FHWA-NHI-380096 Modern Roundabouts: Intersections Designed for Safety hosted by LADOTD/LTRC and Modules 1-3 of the Traffic Engineering Process and Report Course offered by LTRC.***
04/19-12/21	**H.003074 / I-10 WIDENING, WILLIAMS BLVD. TO VETERANS BLVD.: Jefferson Parish, LA.** *Road Design Engineer* - This project included the addition of a lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane. Mr. Nipper was responsible for the hydraulic design of the proposed bridge decks, the westbound proposed bridge vertical curve, and for calculating elevations along the bridge bents and girders.
09/20-Present **SECTION 17 PROJECT**	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Road Design Engineer* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. The project includes replacement of existing bridges at Dawson Creek. Mr. Nipper assisted in preparing the drainage map depicting existing conditions for the 9,730-acre drainage area. Mr. Nipper also developed the soil map for the drainage area, computed the curve number, and associated flow through Dawson Creek. (City-Parish Project No. 19-CP-HC-0034)
09/19-Present	**LA SAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Road Design Engineer* - The project involved the design of a shared use path along Airline highway that would connect to Main St. This path would accommodate pedestrians and bicyclists. The corridor utilizes landscaped bioswales to capture and slow runoff while simultaneously providing beautification of the area. Main St. was redesigned to accommodate on street parking, sidewalks were added down the entire project corridor on both sides, and bicycle lanes were added as well. Mr. Nipper provided the vertical and horizontal alignments for the project, as well as the design for Main St. He provided the hydraulic analysis needed to convert existing open ditches along the project into subsurface drainage systems to capture and slow runoff. Mr. Nipper also provided the estimated quantities and cost estimate. The project is currently under construction.
2018-Present	**GREENWOOD MULTI-USE TRAIL: East Baton Rouge Parish, LA.** *QA/QC* - This project involved the design of a multi-use path in a BREC park. Mr. Nipper was involved in the QA/QC of this project and reviewed plans and quantities. The project is currently under construction.
02/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Roadway Design* - This project involved the redesign of the I-10 WB/I-12 WB merger, and the College Dr. Off Ramp. The existing I-12 WB was realigned to run alongside the existing I-12 EB lanes, and the existing I-10 WB bridge over I-12 EB was raised, widened, and lengthened to provide room for the realigned I-12 WB lanes. Separate dedicated off ramps to College Dr. were provided from I-10 WB and I-12 WB. Mr. Nipper performed all of the geometric design for the project, and developed all of the roadway construction plans. Mr. Nipper was responsible for the hydraulic analysis and design for the entire project, and developed the hydraulic calculations and report. Mr. Nipper was also responsible for calculating quantities for all of the roadway and hydraulic portions of the project.

Firm employed by	**G.E.C., Inc.**
Name	**Christopher Nipper, PE** *Continued Resume*
02/19-05/19	**I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA.** *Road Design Engineer* - The project included the replacement of two (2) slab span bridges. Mr. Nipper was responsible for the vertical alignment, proposed length of the bridges, placement of the new bridges, and guardrail design. Mr. Nipper designed the new roadway approaches to the new bridge, calculated all of the quantities, and estimated construction costs for the project.
04/19-05/20	**CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Design Engineer* - Mr. Nipper provided all investigations, preliminary plans, and preparation of final construction contract plans for the replacement of the Chevelle Drive and Sarasota Drive Bridges in East Baton Rouge Parish. Mr. Nipper provided horizontal and vertical alignment and a hydraulic analysis. (City Parish Project No. 18-BR-US-0016)
2017	**LA 3152, CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Designer* - This project involved the milling and overlaying of LA 3152. Along with the milling and overlaying, turn lanes were being added, extended, etc., so new pavement sections were designed. Mr. Nipper was involved in checking and correcting the plans. He checked and calculated quantities and the estimated costs associated with this project.
09/17-12/18	**CAMP COUSHATTA ROAD IMPROVEMENTS: Allen Parish, LA.** *Designer* - This project involved the design of a new road for the Coushatta Tribe of Louisiana. Mr. Nipper was the designer of the road, drainage structures/systems, and all associated quantities, and the creator of the construction plan set. The road consisted of two eleven foot lanes, with 3 foot outside aggregate shoulders, and ditches on both sides. A subsurface drainage system was designed that tied into an existing subsurface system. Two reinforced concrete box culverts were designed to facilitate the flow of local canals through the new roadway, and one of the canals was realigned. Mr. Nipper calculated the quantities and estimated costs associated with the road and drainage systems.
2016-Present	**POWER BLVD. MEDIAN IMPROVEMENTS: Kenner, LA.** *Road Design Engineer* - This project is a shared-use path beginning at W. Esplanade Avenue and ending at Vintage Drive. A 12'-wide concrete shared use path will replace an existing 6'-width path. The wider section allows for a greater level of service that comfortably accommodates bi-directional pedestrian and bicycle use. In addition to the completed concrete path, the project will feature improved pedestrian lighting, a new steel bridge for pedestrians and bicyclists, seating, landscaping, irrigation, donated art, striping, signage, and more. This project connects to the recently completed Erlanger shared use path. Mr. Nipper's responsibilities included completion of construction plans for the shared use path including QA/QC of horizontal and vertical geometry, typical sections, construction phasing, signing and striping and estimated quantities.
2018	**US 90 (FUTURE I-49 SOUTH), LA 318 INTERCHANGE, ROUTE US 90: St Mary Parish, LA.** *QA/QC* - GEC was the Owner Verification Firm (OVF) for this Design-Build Project, which includes the CE&I, right-of-way acquisition, and utility relocation. Mr. Nipper was involved in the QA/QC of the construction plans. He checked quantities, and verified that elements of the design met LADOTD standards.
2016-2017	**LA 990: 6TH-ED LEJEUNE (OVERLAY-DRAINAGE): West Baton Rouge Parish, LA.** *Designer* - This project involved the milling and overlaying of the existing road, replacing the existing subsurface drainage system to bring it up to current standards, and extending the existing subsurface drainage system. This project required the analysis of the local drainage areas. Mr. Nipper assisted in designing a subsurface drainage system using the collected data from the drainage areas. He computed quantities for the milling/overlaying and the drainage system. The drainage system was designed according to the current LADOTD standards and guidelines.

Firm employed by	**G.E.C., Inc.**		
Name	**Logan Michel, PE**	Years of relevant experience with this employer	<1
Title	Civil Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2015 / Civil Engineering	
Active registration number / state / expiration date		43970 / Louisiana / 03-31-2024	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Line & Grade**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Logan Michel, PE has joined GEC's Engineering group with 7 years of experience focused on road design. He was involved in developing all aspects of roadway planning for LADOTD state projects, including bridge spot replacement, roundabouts, overlay projects, and new roadway development. His expertise includes planning and design, project and construction management, and preparation and review of construction data and reports, including cost estimates, specifications, test results and schedules. He provided oversite for major projects and conducted project meetings on design modifications, work progress and safety measures.* ***Mr. Michel has completed the Traffic Engineering Analysis Process and Report Modules 1-3 training.***
08/22-Present **SECTION 17 PROJECT**	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Project Engineer* - GEC completed a line and grade study (design study), preliminary plans, and is currently 95% complete with the final design for the widening of Bluebonnet Blvd. and bridge replacements over Dawson Creek. Bluebonnet Blvd. is currently a four-lane roadway and GEC is developing plans to widen the corridor to a six-lane boulevard, curb and gutter roadway, with, green infrastructure, subsurface drainage, and pedestrian facilities, including a 10-ft. wide shared-use path on the west side and a 5-ft. wide sidewalk on the east side. GEC's design is in accordance with LADOTD and MOVEBR Design Guidelines. Mr. Michel is assisting in the development of plan documents, performing design calculations, and plan review services for the roadway, sidewalk, and subsurface drainage features for the preliminary and final plans. (City-Parish Project No. 19-CP-HC-0034)
08/22-Present	**H.013897 I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, LA.** *Engineer* - Mr. Michel is providing maintenance of traffic plans and other roadway design engineering tasks for this CMAR project.
08/22-Present	**H.003074 I-10 WIDENING: WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Road Design Engineer* - Mr. Michel is providing road design and plan development for the addition of one lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane. He is reviewing GEC's final plans which are more than 90% complete in accordance with LADOTD's Roadway Design Procedures and Details Manual.
08/22-Present	**H.MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA.** *Project Engineer* - Mr. Michel is preparing plans, specifications, and cost estimates for the removal and replacement of existing asphalt and concrete pavement, drainage structures, waterlines, and sewer main. He is overseeing the design of the horizontal and vertical geometry, subsurface drainage design, cross section development, and he is providing project management services.
07/17-11/19	**LA 532 OVER I-20 BRIDGE REPLACEMENT: Webster Parish, LA.** *Project Engineer* - This project consisted of replacing a deficient bridge on LA 532 over Interstate 20 onto a new horizontal alignment using phase construction so traffic flow can be maintained throughout the project including all necessary widening and interchange modifications. Portions of the side roads and the ramps connecting LA 532 to I-20 had to be re-designed because LA 532's geometrics changed. Mr. Michel's responsibilities included plan production; the design of vertical and horizontal geometry; ramp and overlay design; superelevation design; urban drainage design; signage and detour layout; and cost estimation.
10/18-10/21	**H.010815.6 LA 124 EXTENSION (SEGMENT 1): Catahoula Parish, LA.** *Project Engineer* - Project consisted of constructing a private drive into a new state road (LA 124). Mr. Michel's responsibilities included plan production, designing new vertical and horizontal alignments based on design guidelines and hydraulic analysis, geometric design, drainage design for multiple culvert locations (RCB culverts & cross drains), cost analysis and estimation.

Firm employed by	G.E.C., Inc.		
Name	**Brandon Abbott, EI**	Years of relevant experience with this employer	<1
Title	Engineer Intern	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		B.S. / 2020 / Civil Engineering	
Active registration number / state / expiration date		34820 / Louisiana / 09-30-2023	
Year registered	2021	Discipline	Engineer Intern
Contract role(s) / brief description of responsibilities		Role on this Project: **Line & Grade**	

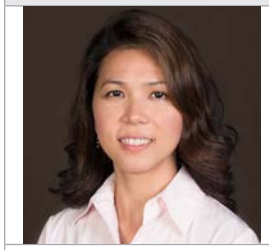
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Brandon Abbott, EI is a 2020 Civil Engineering graduate and former Healthcare Sargent with the United States Army, who has joined GEC's transportation group. His previous experience includes performing design tasks such as roadway, drainage, and complete streets design (horizontal and vertical alignments, pavement design, cost estimates, drainage calculations, and watershed delineations). He has assisted with the design of over 90 bridges across Louisiana on LADOTD projects. He has also assisted with NEPA projects including line and grade studies, conceptual engineering drawings, cost estimation, benefit cost ratios, GIS database development, technical reports, and economic analysis. He is proficient in AutoCAD Civil 3D, ArcGIS, Microstation V8i, and HEC-RAS / HEC-HMS.* ***Mr. Abbott has completed the Traffic Engineering Analysis Process and Report Modules 1-3.***
08/22-Present **SECTION 17 PROJECT**	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Project Engineer* - GEC completed a line and grade study (design study), preliminary plans, and is currently 95% complete with the final design for the widening of Bluebonnet Blvd. and bridge replacements over Dawson Creek. Bluebonnet Blvd. is currently a four-lane roadway and GEC is developing plans to widen the corridor to a six-lane boulevard, curb and gutter roadway, with, green infrastructure, subsurface drainage, and pedestrian facilities, including a 10-ft. wide shared-use path on the west side and a 5-ft. wide sidewalk on the east side. GEC's design is in accordance with LADOTD and MOVEBR Design Guidelines. Mr. Abbott is assisting in the development of plan documents, performing design calculations, and plan review services for the roadway, sidewalk, and subsurface drainage features for the preliminary and final plans. (City-Parish Project No. 19-CP-HC-0034)
02/22-08/22	**NORTH CANAL DRAINAGE IMPROVEMENT PROJECT: Baker, LA.** *Engineer Intern* - Mr. Abbott assisted in the creation of plan sets and design components for the improvement of the drainage system and associated roadway for North Canal in Baker, LA utilizing Microstation, HEC-RAS, HEC-HMS, and ArcGIS. He conducted a cost analysis for all design aspects, and assisted in the Benefit-Cost Analysis under supervision of a senior project engineer. He also developed and maintained the ArcGIS database and assisted with preliminary NEPA reporting and other technical repots.
02/22-08/22	**BOZEMAN CREEK DRAINAGE PROJECT: Baker, LA.** *Engineer Intern* - Mr. Abbott conducted a cost analysis for all design aspects, and assisted in the Benefit-Cost Analysis under supervision of a senior project engineer. He also developed and maintained the ArcGIS database and assisted with preliminary NEPA reporting and other technical repots.
02/22-08/22	**BRUSHY CREEK DRAINAGE PROJECT: Baker, LA.** *Engineer Intern* - Mr. Abbott conducted a cost analysis for all design aspects, and assisted in the Benefit-Cost Analysis under supervision of a senior project engineer. He also developed and maintained the ArcGIS database and assisted with preliminary NEPA reporting and other technical repots.
02/22-08/22	**UPPER WEST FORK CYPRESS BAYOU NO. 1, 2, & 3 ENVIRONMENTAL ASSESSMENT: Plain Dealing, LA.** *Engineer Intern* - This NRCS project was performed in accordance with NEPA regulations to replace 3 dams in Plain Dealing, LA. Mr. Abbott assisted with the conceptual design drawings of the dams, roadways, and drainage, performed an economic analysis and presented his results in the applicable EA report section, developed cost estimates, managed the ArcGIS database, and developed technical reports.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Dishili Young, PE, PTOE**	Years of relevant experience with this employer	5
Title	Senior Project Manager	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	BS / 2002 / Civil Engineering; MS / 2018 / Civil Engineering		
Active registration number / state / expiration date	33723 / Louisiana / 09-30-2024		
Year registered 2008	Discipline: Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Line and Grade (Roundabout) Lead**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Ms. Young has 20 years of experience including program management, engineering management, project management and engineering design; management and design of interstate design-build projects, interstate design-bid-build projects, road design projects, drainage projects, H&H Studies, environmental studies and feasibility studies. Some of her CE are as follows: Transportation Safety Systems (Highway Safety Manual Graduate Course), Auburn University, 2016; ATSSA Traffic Control Supervisor and Technician Training Course, Baton Rouge, 2015; NHI Course No. 142005 - NEPA Transportation Decision Making, Baton Rouge, 2014; FHWA Highway Safety Manual Workshop, Baton Rouge, 2014; Roadside Safety Design by the Federal Highway Administration and National Highway Institute, LTRC, 2010; Applying Inroads V8.9, LSU Continuing Education, 2010; Urban Street Design, University of Wisconsin, Madison,; Open Channel Design, University of Wisconsin, Madison,; Storm Sewer Design, University of Wisconsin,; Comprehensive Culvert Design, University of Wisconsin; Maintaining Asphalt Pavements, University of Wisconsin,; Using HEC-RAS to compute water surface profiles for floodplains, bridge and culvert hydraulics, University of Wisconsin,; Construction Issues in Louisiana, Lorman Education Services;Louisiana Construction Contracting for Public Entities, Lorman Education Services; DOTD's Traffic Engineering Process and Report (TEPR) training*
12/14 – 08/17	**LA 447 CORRIDOR STUDY:** Walker, LA (LA 16 to US 190) (S.P. No. 701-65-1534) Ms. Young assisted with the geometric design for the R-Cut and roundabout improvements, public outreach and served as Project Manager and road design lead for the EA while working at APTIM. Includes multilane roundabouts
01/20 – Present	**I-20:** LA 544 Overpass Replacement, Lincoln Parish, LA: Ms. Young is managing the preliminary and final design services for this project. This project will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts. This project includes a level 2 TMP
04/18 – Present	**I-49 SOUTH AT VEROT SCHOOL ROAD, S.P. NO. H.011235.5:** Ms. Young is managing the design services for the interstate design and service road design (drainage, preliminary and final road design and TMP). 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. This project includes the design of a major bridge crossing at Verot Rd. and I-49 and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. Neel-Schaffer (NSI) is serving as the subconsultant for this project. NSI is designing the interstate mainline and frontage roadways, as well as, designing the drainage along these corridors. NSI is also completing the traffic design and TMP. Includes roundabout
12/17 – 07/20	**SOUTHCITY PARKWAY EXTENSION - LAFAYETTE, LA:** This project will construct a new 1.7 - mile, 4 lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and a new bridge crossing of the Vermillion River. The roadway and drainage design is being completed in conformance with LADOTD guidelines. Ms. Young managed and assisted with the roadway, bridge hydraulics and roadway drainage design effort for this project. NSI provided public outreach, environmental, road design and traffic services.
08/17 – 03/19	**JUBAN ROAD WIDENING, S.P.N. H.004634:** Ms. Young served as the engineer of record and managed the completion of the roadway and drainage design services for this project which will widen LA 1026 (Juban Rd.), construct three roundabouts and two new frontage access roadways, with storm drainage sewer systems.
08/17 – Present	**MANDEVILLE BYPASS - MANDEVILLE, LA:** This project will provide a new 3 Mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Ms. Young

Firm employed by	**Neel-Schaffer, Inc.**
Name	**Dishili Young, PE, PTOE** *Continued Resume*
	is managing the roadway design services. Includes multiple multilane roundabouts.
08/17 – Present	**HAM REID AT LA 3092 INTERSECTION IMPROVEMENTS:** Ms. Young is serving as engineer of record for this project which will construct a roundabout at the intersection of LA 3092 and Ham Reid Road. The roadway and drainage design were completed in accordance with LADOTD guidelines.
02/10 – 12/11	**S.P. NO. 450-10-0159:** I-10 Widening Design-Build Siegen Ln. (LA Hwy 3246) to Highland Rd. (LA Hwy 74) for LA DOTD: Ms. Young served as Engineer and managed portions of the civil design for this project. This project involved the widening of I-10 from four lanes to six, bridge reconstruction (I-10 over Wards Creek and I-10 over KCS Bridge), and drainage improvements along the corridor. In addition to assisting with the roadway design, Ms. Young completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor.
01/09 – 11/11	**S.P. NOS. 454-01-0047 & 454-02-0025:** I-12 Widening Design-Build (O'Neal Ln. to Pete's Hwy): Ms. Young served as Engineer for this project which involved the widening of I-12 and bridge reconstruction (I-12 over Amite River (two bridges) and I-12 over O'Neal Lane (two bridges)). In addition to assisting with the roadway design, Ms. Young assisted with the scour analysis and H&H analysis at the Amite River as well as the drainage design along the interstate corridor.
02/22 – Present	**W. BROUSSARD ROUNDABOUT AT DUHON RD. (LA 724):** This project will construct a roundabout and required drainage improvements. Project Manager.
05/16 – 01/20	**BOSSIER PARISH ROADWAY, BRIDGE AND CULVERT ENGINEERING, DAMAGE ASSESSMENT AND RECONSTRUCTION SERVICES:** Ms. Young managed the civil portion of this project which included approximately 90 project sites consisting of bridges, roadway reconstruction, patching and overlays, and new drainage structures.
05/16 – 01/20	**WEBSTER PARISH ROADWAY, BRIDGE AND CULVERT ENGINEERING, DAMAGE ASSESSMENT AND RECONSTRUCTION SERVICES:** Ms. Young managed the civil portion of this project which included approximately 200 project sites consisting of bridge repairs, roadway reconstruction, patching and overlays, and new drainage structures.
08/17 – 03/20	**LA 73 TURN LANES:** Ms. Young served as engineering design manager for this project which will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines.
09/17 – 10/18	**LA 27 TURN LANES:** Ms. Young served as engineering design manager for this project which constructed turn lanes at multiple locations along LA 27 in Calcasieu and Cameron Parishes. The design was completed in accordance with LADOTD guidelines.
06/13 – Present	**STAGE 0 FEASIBILITY STUDY MODERN ROUNDABOUTS – LAFAYETTE, LA:** Road alignment, roundabout layout, and design, preparing cost estimates. 23 separate roundabout projects
01/15 – 03/16	**US 108 & TROUSDALE ROAD TURN LANE IMPROVEMENTS:** Ms. Young managed the completion of the preliminary and final plan sheets, baselines, sequence of construction and striping and signage plans for this project. The roadway design was completed in accordance with LADOTD guidelines.
03/07 – 08/08	**SP NO. 817-41-0014, CP PROJECT NO. 06-CS-HC-0029:** South Harrell's Ferry Road Improvements, GLP, Baton Rouge, LA: This project involved the reconstruction, realignment and widening of South Harrell's Ferry Road to a median divided corridor. Ms. Young completed a comprehensive review and analysis of the preliminary vertical and horizontal alignment. She assisted in completing adjustments to the preliminary alignments to comply with the applicable design criteria. She also assisted with the creation of a HEC-RAS model for a major drainage crossing and bridge alternative. She revised the subsurface drainage using LADOTD hydraulics software for the entire corridor when the vertical alignment was changed to adhere to new standards. Ms. Young completed the Design Report for all tasks in accordance with LADOTD guidelines.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Mai Nguyen, PE**	Years of relevant experience with this employer	7
Title	Roadway Design Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2008 / Civil Engineering	
Active registration number / state / expiration date		38189 / Louisiana / 03-31-2024	
Year registered	2013	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Line and Grade (Roundabout) Personnel**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Ms. Nguyen has over 13 years of experience as a Roadway Design Engineer, including over six years working for LADOTD roadway design. She is proficient with modeling and developing roadway plans in accordance with LADOTD design guidelines. She has completed numerous roadway construction plans, including roadway alignments, typical sections, cross sections, geometric details, graphical grades, drainage design, construction sequencing, striping, and signing layout, and cost estimates. She also has completed countless interchange geometric layouts, roundabouts, and unconventional intersections following AASHTO and LADOTD design guidelines. She is experienced with utility coordination, creating detour plans, and working with Contractors and LADOTD Engineers to ensure the project is constructed according to plans. She is Certified as a Work Zone Traffic Control Supervisor, Technician and Flagger.*
01/11 – 01/14	**LA 447 CORRIDOR STUDY, WALKER, LA (LA 16 TO US 190):** (S.P. No. 701-65-1534) 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
09/14 – 08/15	**LA 16:** Roundabout @ LA 447, Livingston, LA. S.P. No. H.010124 - Responsible for developing roundabout preliminary roadway plans in accordance with LaDOTD design guidelines, creating horizontal and vertical alignment layouts, modeling roadway to determine required right-of-way limits, developing sequence of construction, and perform hydraulic analysis.
01/20 – Present	**I-20:** LA 544 Overpass Replacement, Lincoln Parish, LA: NSI is managing 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, S.P. NO. H.011235.5:** This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. 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
11/15 – 07/20	**SOUTHCITY PARKWAY EXTENSION, LAFAYETTE, LA:** This project constructs 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 were completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design and traffic services.
02/17 – 06/17	**LA 6 (I-49 INTERCHANGE TO LA 3278) CORRIDOR STUDY IN NATCHITOCHES, LA:** S.P. No. H.011402 - LA 6 Corridor Study Includes analysis of proposed roundabout interchange (3 roundabouts) geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
07/15 – Present	**US 90 PEARL RIVER BRIDGES ENVIRONMENTAL ASSESSMENT, ST. TAMMANY PARISH, LA AND HANCOCK COUNTY, MS:** Project includes the replacement of five bridges. This project also includes roundabout intersections. Project Engineer for over 75 line and grade alternatives. Developed horizontal and vertical alignments, considering required drainage and ROW requirements were developed and analyzed for potential environmental impacts and costs. Includes a roundabout intersection

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Chance Shuckrow, PE**	Years of relevant experience with this employer	8
Title	Project Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engineering	
Active registration number / state / expiration date		42746 / Louisiana / 03-31-2023	
Year registered	2018	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Line and Grade (Roundabout) Personnel**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Shuckrow joined Neel-Schaffer in January of 2014. In his time at Neel-Schaffer, he has worked in design of roadways, freeways, signalized and roundabout geometry intersections. He 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.*
01/11 – 01/14	**LA 447 CORRIDOR STUDY (LA 16 TO US 190), WALKER, LA:** Project Engineer for a corridor study to evaluate corridor improvements along LA 447 between LA 16 and burgess Ave. Project included the interchange at I-12. Assisted with geometric layouts and cost estimates. Includes multilane roundabouts.
08/14 – 03/19	**JUBAN ROAD (LA 1026) WIDENING, LIVINGSTON PARISH, LA:** Final design for reconstruction of Juban Rd as a four-lane median divided roadway with multilane roundabouts intersections and a shared use path. Completed vertical and horizonal alignments and modeled the project with Bentley software, assisted with the drainage design and preparation of plans.
02/20 – Present	**I-20:** LA 544 Overpass Replacement, Lincoln Parish, LA: NSI is managing 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.
11/15 – Present	**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.
02/22 – Present	**W. BROUSSARD ROUNDABOUT AT DUHON RD. (LA 724):** This project will construct a roundabout and required drainage improvements. Includes roundabout. Technical lead and engineer of record.
09/15 – Present	**LA 27 LEFT TURN LANES FOR CAMERON LNG PLANT IN CAMERON PARISH, LA:** Assisted in roadway design, development of alignments, modeling, and preparation of plans.
09/15 – Present	**HAM REID AT LA 3092 INTERSECTION IMPROVEMENTS:** This project will construct a roundabout at the intersection of LA 3092 and Ham Reid Road. The roadway and drainage design were completed in accordance with LADOTD guidelines.
03/15 – Present	**MANDEVILLE BYPASS, MANDEVILLE, LA:** This project will provide a new three-mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Work includes roadway design and multiple multilane roundabouts.
08/17 – 03/20	**LA 73 TURN LANES, ASCENSION PARISH, LA:** This project will construct turn lanes at multiple locations along LA 73. The roadway and drainage design were completed in accordance with LADOTD guidelines.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Stephen Perault**	Years of relevant experience with this employer	5
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		Role on this Project: **Line and Grade (Roundabout) Personnel**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	 *Mr. Perault has over 35 years' experience in roadway design which includes the design of over 25 roundabout projects and design support for roadway projects (turn lanes, new roadway corridors, widening, interstates and more). He retired from LADOTD in 2015 and has worked in the private sector since then. His capabilities include: Stage 3 (Engineering) design and drafting of complete LA DOTD roadway plans for Engineer review and stamp; Draft and design on LA DOTD Stage 0 (Feasibility) and Stage 1 (Environmental) projects; FEMA disaster recovery work; Extensive knowledge of Inroads, Microstation, Descartes, Storm and Sanitary CAD, Cadconform and ProjectWise software and LA DOTD's Hydwin design programs; Perform QA/QC review of roadway plans; Completing NOI permit applications and Constructability/Biddability forms; Draft design exceptions, processes plan revisions and change orders. His project experience at LADOTD includes: S.P. H.000466: US 190: Roundabout at Eden Church RD. Project included a 3-legged Roundabout at the intersection of US 190 and Eden Church Rd. Responsible for the design and development of preliminary and final roadway plans and prepared the construction cost estimate; S.P. H.008322: LA 637: Port of S. Louisiana Connector Responsible for the design and development of preliminary and final roadway plans for the widening of LA 637 from 2 to 3 lanes and prepared the construction cost estimate; S.P. H.003969: Existing 3-Lane to Contraband Bayou Bridge Designer of the preliminary and final roadway plans that involved the widening on LA 1138-2 from 2 to 3 lanes and a 3-legged Roundabout at the intersection of Holly Hill Road and LA 1138-2 and assisted with the construction cost estimate; S.P. 262-02-0023: Denham Springs – Watson Designed the roadway for the widening of LA 16 from 2 to 4 lanes. Responsible for the development of preliminary and final roadway plans and prepared construction cost estimate.*
12/14 – 08/17	**SP NO. H.005734:**LA 447 Corridor Study: This Project would widen LA 447 between La 16 and Burgess Ave. Assisted with plan production and the geometric design for the R-Cut and roundabout improvements.
12/17 – Present	**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.
08/17 – 03/19	**JUBAN ROAD WIDENING, S.P.N. H.004634:** 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.
02/20 – Present	**I-20:** LA 544 Overpass Replacement, Lincoln Parish, LA: NSI is managing 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.
08/17 – Present	**HAM REID AT LA 3092 INTERSECTION IMPROVEMENTS:** This project will construct a roundabout at the intersection of LA 3092 and Ham Reid Road. The roadway and drainage design were completed in accordance with LADOTD guidelines.
04/18 – Present	**I-49 SOUTH AT VEROT SCHOOL ROAD, S.P. NO. H.011235.5:** This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. 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.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Scott Andrepont, PE**	Years of relevant experience with this employer	10
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		37107 / Louisiana / 09-30-2024	
Year registered	2012	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Line and Grade (Roundabout) Personnel**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*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.*
01/11 – 01/14	**LA 447 CORRIDOR STUDY, WALKER, LA (LA 16 TO US 190) (S.P. NO. 701-65-1534):** 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
09/09 – 08/12	**LA 182 (NORTH UNIVERSITY AVENUE) WIDENING, I-10 TO WEST PONT DES MOUTON ROAD, LAFAYETTE, LA:** Road alignment, preparing scope for utility and topographic survey, roundabout layout and design, and plan preparation. Project Engineer. Includes 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.
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
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 managing 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.
11/13 – 04/15	**H. 004932:** US 90 (Future I-49) LA 318: Project Engineer supporting Interchange DB Project Road profiles, roundabout design, preparation of cost estimates. Project Engineer. Includes roundabout.
04/18 – Present	**I-49 SOUTH AT VEROT SCHOOL ROAD, S.P. NO. H.011235.5:** This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. 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, S.P.N. H.004634:** 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.

PERSONNEL RESUMES
Environmental

Firm employed by	**G.E.C., Inc.**		
Name	**Nicole Forsyth, EI**	Years of relevant experience with this employer	6
Title	Environmental Engineer	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		B.S. / 2001 / Civil Engineering	
Active registration number / state / expiration date		19841 / Louisiana / 09-30-2023	
Year registered	2001	Discipline	Engineer Intern
Contract role(s) / brief description of responsibilities		Role on this Project: **Technical Lead, Environmental**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Ms. Forsyth has over 20 years of experience in managing NEPA projects for various types of projects including transportation, DOD facilities, civil works, levees and dams, and regulatory projects. Her expertise is in the overall project management, and preparation and review of NEPA documents (EISs, EAs, CEs). Her expertise also lies in multi-agency permitting, Noise/Air Studies, and Section 10/404/408 compliance. She served as an EI in LADOTD's Environmental Section for approximately 6 years, where she managed the environmental phase of numerous transportation projects. She has completed the NHI Course NEPA & the Transportation Decision-Making Process.*
10/15-05/17 **SECTION 17 PROJECT**	**H.004987 / US 190/COLLINS BOULEVARD WIDENING (LA 25-US 190B) ENVIRONMENTAL ASSESSMENT: Covington, LA.** *NEPA Specialist* - Ms. Forsyth participated in the preparation of an Environmental Assessment (with Finding of No Significant Impact) and Line and Grade Study to widen approximately three miles of U.S. 190 in Covington. She assisted with the overall development of the EA report, technical reports, FONSI, and interagency coordination and analyses of project impacts on wetlands, land use and community character, economic activities, cultural and recreational resources, Sections 4(f) and 6(f), noise and air impacts, floodplains, demographics and environmental justice, relocations of homes and businesses, and T&E species and their habitat.
10/15-05/16 **SECTION 17 PROJECT**	**H.004983 / US HWY. 11 WIDENING (LAKE PONTCHARTRAIN TO SPARTAN DRIVE) ENVIRONMENTAL ASSESSMENT: Slidell, LA.** *NEPA Specialist*- Ms. Forsyth prepared an EA for the New Orleans Regional Planning Commission (NORPC) in compliance with FHWA NEPA requirements for the widening of US Highway 11 in Slidell, LA. Her tasks included interagency coordination and analyses of project impacts on wetlands, land use and community character, economic activities, cultural and recreational resources, Sections 4(f) and 6(f), noise and air impacts, floodplains, demographics and environmental justice, relocations of homes and businesses, and endangered or threatened species and their habitat. Required environmental studies included, among other tasks, wetlands, threatened and endangered species, floodplains, and a Phase I ESA.
01/17-Present	**GNOEC, LAKE PONTCHARTRAIN CAUSEWAY: St Tammany and Jefferson Parishes, LA.** *NEPA Specialist* - Ms. Forsyth serves as NEPA Specialist for improvements to the Causeway. She provides regulatory stakeholder solicitation, environmental field investigations and assessments, and NEPA documentation. Several projects have been documented as Categorical Exclusions (CE) since 2011. GEC documented these CE projects in accordance with the DOTD's Environmental of Standard Practice guidance regarding Stage 0 – Feasibility and Stage 1 – Planning/Environmental processes. GEC prepared preliminary Purpose and Need Statements, assessed alternatives, and identified potential environmental constraints using DOTD's Environmental Determination Checklist. GEC prepared and conducted regulatory Solicitations of Views, prepared responses to regulatory comments/ guidance, prepared wetland/water body survey reports and prepared Coastal Use Permit applications.
08/06-03/07	**LA 1/I-10 CONNECTOR ENVIRONMENTAL ASSESSMENT (FEDERAL HIGHWAY ADMINISTRATION/LOUISIANA DEPARTMENT OF TRANSPORTATION): West Baton Rouge Parish, LA.** *Project Manager* - The LADOTD and FHWA proposed to develop a connector route between LA 1 and I-10 west of the Mississippi River in West Baton Rouge Parish. The connector would also include an additional crossing over the Intracoastal Waterway (ICWW). The EA analyzed the potential environmental impacts due to the proposed project. Ms. Forsyth managed day-to-day operations for this EA for the LADOTD and FHWA. She supervised contracted employees and reviewed all NEPA documents prepared by the contractors, co-hosted a public scoping meeting and hearing for the project, and ensured that the project was kept on time and within budget.

Firm employed by	**G.E.C., Inc.**
Name	**Nicole Forsyth, EI** *Continued Resume*
02/17-Present	**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD): Plaquemines Parish, LA.** *Project Manager* - Ms. Forsyth serves as project manager on the GEC Team leading development of a Third-Party EIS for the MBSD Project proposed by CPRA. The EIS is being prepared under the direction of USACE, New Orleans District, to aid in their decision-making regarding CPRA's permit application pursuant to Section 404 of the CWA and Section 10 of the RHA and permissions under 33 U.S.C. Section 408. The Third-Party EIS assesses the potential adverse and beneficial impacts associated with the construction and operation of the project, which involves the potential diversion of 75,000 cfs of sediment, freshwater, and nutrients from the Mississippi River to the Barataria Basin. She is managing the overall EIS process, developing the EIS report, and associated technical reports, as well as all public and stakeholder outreach. Additionally, she prepared a Phase I ESA, which was performed in accordance with the ASTM E 1527-13 and ASTM E 2247-16 standards. Services provided included reviewing Federal, state, and local environmental databases, researching historical records, interviewing pertinent persons, and performing site reconnaissance. The investigation consisted of windshield surveys, pedestrian surveys, and airboat surveys. The identification of RECs were presented in a Phase I ESA report.
04/07-02/08	**NOISE STUDY AND AIR QUALITY ANALYSIS, LA 22 ROAD WIDENING: St. Tammany Parish, LA.** *Project Manager* - LADOTD and Greater New Orleans Expressway Commission proposed to widen LA 22 in St. Tammany Parish, Louisiana. Ms. Forsyth managed and prepared the noise study and air quality analysis for this proposed project. The noise study addressed the potential noise impacts from the proposed project. Ms. Forsyth used the Federal Highway Administration's (FHWA) Traffic Noise Model (TNM) to model the noise impacts and possible noise barriers for the proposed project. She performed a field noise survey and all related data collection for the noise analysis including site visits, traffic counts and field measurements of actual noise levels. Ms. Forsyth also performed an air quality analysis to determine the conformity of the project and addressed the Section 4(f) issues associated with this project.
2015-2016	**H.004273.5 I-49 CONNECTOR: Lafayette, LA.** *Environmental Professional* - Ms. Forsyth prepared a Phase I ESA for the I-49 Connector. The Phase I ESA was performed in accordance with the ASTM E 1527-13 standard. Federal, state, and local environmental databases were reviewed, historical records were researched, pertinent persons were interviewed, and a site reconnaissance was performed. Recognized environmental conditions were determined during assessment and were provided in a Phase I ESA report.
09/08-01/09	**SUPPLEMENTAL EIS FOR THE INNER HARBOR NAVIGATION CANAL (IHNC) LOCK REPLACEMENT PROJECT (U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT): New Orleans, LA.** *Project Technical Assistant* - This project required preparation of a supplemental EIS to describe changes in existing conditions after Hurricane Katrina and to analyze impacts from the recommended plan and alternatives on these existing conditions. Ms. Forsyth prepared the PowerPoint Presentation for the public hearing. Ms. Forsyth was also part of a team that addressed over 415 public and agency comments. The accelerated project schedule required a two-week turnaround of responses following closing of the public comment period.
2019	**LIVINGSTON PARISH AIRPORT DISTRICT (LPAD)/LIVINGSTON EXECUTIVE AIRPORT EA PUBLIC OUTREACH: Livingston, LA.** *Public Outreach Coordinator* - Ms. Forsyth assisted LPAD with conducting the public outreach in accordance with FAA for the proposed project. This included all activities associated with preparing for and conducting a Public Information Open House (PIOH) in the project area.
2019	**U.S. FOREST SERVICE SOCIA BRANCH TRAIL ENVIRONMENTAL ASSESSMENT: Grant Parish, LA.** *NEPA Specialist* - Ms. Forsyth assisted the USFS in preparing for and facilitating public scoping meeting open houses within the project area. This included preparing graphics, handouts, venue coordination, and greeting the public. She also prepared a scoping analysis that categorized and analyzed over 100 public scoping comments that were received during the public outreach period.

Firm employed by	**G.E.C., Inc.**		
Name	**Chelsea Crawford**	Years of relevant experience with this employer	3
Title	Marketing/Production Assistant	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization	B.A. / 2008 / English		
Active registration number / state / expiration date	N/A		
Year registered N/A	Discipline N/A		
Contract role(s) / brief description of responsibilities	Role on this Project: **NEPA Planning/Environmental Assessment**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Ms. Crawford joined GEC in 2019 in the environmental department assists with NEPA and environmental planning projects. In this role, she has become familiar with a variety of research methods and disciplines, including engineering, land use/recreation, water resources planning, flood damage estimation and mitigation, port and facilities planning, environmental impact assessments, specifications and planning documents, and finance and management. Ms. Crawford has performed these duties for projects related to environmental impact assessment, environmental assessments, categorical exclusions, economic and port development, water resources planning, flood damage assessment, archeology, land use/recreation, and public involvement programs. Her involvement in these studies has given her in depth experience in public and stakeholder outreach and coordination, particularly for large reports requiring the extensive coordination of many types of data from several individuals. These reports range in size from small, site-specific documents of less than 50 pages to broad-scale investigations requiring over 20 volumes of narrative presentation and accompanying map and photographic appendices. She has acquired experience at all levels of NEPA studies and familiarity with methodology and terminology in a wide array of disciplines. In addition, Ms. Crawford has assisted in data collection and related research activities on several projects within the economics and environmental programs.*
2018-Present	**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION PROJECT: Plaquemines Parish, LA.** *Coordination* - Mrs. Crawford is providing vital role in this Third Party EIS, as she is providing coordination across multiple environmental disciplines, having 7 cooperating and 10 commenting agencies, and 11 consulting tribes and has been placed on the permitting dashboard under the FAST-41 process. She has authored sections of the EIS report and coordinates all public and stakeholder outreach, including management of public comments, assignments, and responses. The Draft EIS alone recorded over 40,000 public comments.
09/20-Present	**H.004100 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: Baton Rouge, LA.** *Document Control* - Ms. Crawford is providing scheduling, quality control, and document control for this CMAR project, including the development and annual updates of the Design Quality Manual, Project Management Plan, Initial Financial Plan, Project Implementation Plan and document control. Ms. Crawford is assisting with the Community Connections/ Context Sensitive Solutions process, which includes meetings with stakeholders and public outreach.

Firm employed by	G.E.C., Inc.		
Name	**Richard "Barry" McCoy**	Years of relevant experience with this employer	31
Title	Biologist	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		B.S. / 1989 / Wildlife Conservation	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Role on this Project: **Wetlands / Biological Resources**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. McCoy has experience within the environmental resources field including wildlife hazard assessments, wetland delineations, threatened and endangered species surveys, Habitat Evaluation Procedures (HEP), preparation of numerous NEPA documents, environmental phase I site assessments (Phase I ESAs), and hazardous, toxic, and radioactive waste investigations. He has participated in a Basic Wetland Delineation class conducted by the Wetland Training Institute and a Wetland Plant Identification Workshop conducted by the Wetland Biogeochemistry Institute of Louisiana State University. He has also attended the Wetland Delineation Preparatory course for the Wetland Delineator Certification Program provided through the Wetland Training Institute. Other classes include a Habitat Evaluation Procedures Course, and a 40-Hour Waste Site Operations Course along with annual refresher courses.*
01/02-12/10 **SECTION 17 PROJECT**	**LADOTD TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM: Statewide, LA.** *Lead Field Biologist* - Mr. McCoy was responsible for the completion of wetland delineations; threatened and endangered species surveys; and the required permit applications necessary for construction of approximately 250 miles of proposed highway right-of-way required for the highway expansion. He was responsible for preparing findings reports and submitting to the appropriate state and federal agencies for review and concurrence. Additionally, he assisted with Phase I Site Assessments (ESAs) within the right-of-way and Asbestos Inspections of structures impacted by the proposed construction.
01/14-05/17 **SECTION 17 PROJECT**	**H.004987 US 190/COLLINS BOULEVARD WIDENING (LA 25 TO US 190B) ENVIRONMENTAL ASSESSMENT: Covington, LA.** *Wetland Scientist* - Mr. McCoy was responsible for conducting a wetland delineation, preparing a wetland report, and performing T&E species analysis for this FHWA LADOTD Environmental Assessment Project.
01/14-05/16 **SECTION 17 PROJECT**	**H.004983 U.S. HWY. 11 WIDENING (LAKE PONTCHARTRAIN TO SPARTAN DRIVE) ENVIRONMENTAL ASSESSMENT: Slidell, LA.** *Wetland Specialist*- Mr. McCoy served as a wetland specialist for this EA for the New Orleans Regional Planning Commission (NORPC) in compliance with FHWA LADOTD NEPA requirements for the widening of US Highway 11 in Slidell, LA. He analyzed impacts to wetlands, threatened and endangered species, floodplains, and performed a Phase I ESA. He presented his findings in technical reports to supplement the final Environmental Assessment.
09/95-06/13 **SECTION 17 PROJECT**	**US 71/165 FORT BUHLOW BRIDGE AND APPROACHES: Alexandria, LA.** *Wetland Specialist* - Mr. McCoy conducted wetlands delineation, produced a wetlands findings report, developed mitigation measures, and prepared all permit drawings and applications including for USACE, The Red River Waterway Commission, USCG, and railroads. He also assisted with the scenic rivers class B application, floral and faunal communities, threatened and endangered species surveys, Phase 1 ESA and coordination, archaeological and historical resources including 4(f) properties, and all other environmental resources.
04/19-12/21	**CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Wetland Scientist* - Mr. McCoy was responsible for conducting a wetland delineation, preparing a wetland report, and requesting a Preliminary Jurisdictional Determination from the New Orleans District, USACE for both of the bridge replacements. Mr. McCoy also assisted in preparing the necessary USACE permit applications for projected impacts to wetlands and other waters within the project area.

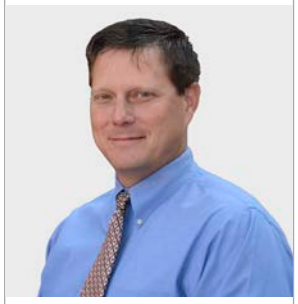
Firm employed by	G.E.C., Inc.
Name	**Richard "Barry" McCoy** *Continued Resume*
02/07-04/09	**HIGHLAND ROAD (LA 42) IMPROVEMENTS (PERKINS TO AIRLINE): Baton Rouge, LA.** *Wetland Scientist* - For this Green Light Plan project, GEC designed additional lanes and a raised median for Highland Road from Perkins Road to Airline Highway. Mr. McCoy conducted a wetland delineation in accordance with Section D, Subsection 2 of Technical Report Y-87-1, Corps of Engineers Wetlands Delineation Manual as well as the Atlantic and Gulf Coastal Plains Regional Supplement. The results of the delineation were compiled in a formal report and submitted to the New Orleans District, Corps of Engineers for an approved Jurisdictional Determination.
11/18-02/21	**I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA.** *Wetland Scientist* - Mr. McCoy was the lead Wetland Scientist responsible for the wetland delineation within the proposed project area. Mr. McCoy oversaw the field efforts associated with the project and the preparation of the wetland delineation report. Mr. McCoy coordinated with the New Orleans District, USACE to request a Preliminary Jurisdictional Determination and assisted in preparing the joint permit application for Louisiana DNR, Coastal Use Permit and the USACE Wetland Permit.
12/16-12/19	**CLEVELAND STREET BRIDGE REPLACEMENT: Covington, Louisiana.** *Biologist* - Mr. McCoy was responsible for conducting a wetland delineation at the project site and obtaining a JD from the USACE. He utilized this information to apply for a Section 10/404 Corps permit as well as a LDWF, Natural and Scenic Rivers System permit.
09/19-Present	**LA SAFE-AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Wetland Scientist* - Mr. McCoy conducted the field surveys for a wetland delineation within the project footprint, prepared a wetland delineation report that was submitted to the New Orleans Corps of Engineers to request a Preliminary JD. Mr. McCoy also prepared and submitted a Section 404 Wetland permit application, the Louisiana DNR Coastal Use permit application, and requested a Letter of No Objection from the Pontchartrain Levee Board for activities proposed within 1500-ft. of the Mississippi River Main Line Levee. He coordinated with all agencies through the completion of each permit.
10/14-02/16	**BATON ROUGE LAKES MASTER PLAN: Baton Rouge, LA.** *Lead Biologist* - Mr. McCoy was involved in several tasks for the Baton Rouge Lakes Master Plan. He was one of several scientists responsible for collecting sediment core samples from the lakes at specific locations to characterize the sediment material to be dredged and to analyze it for contaminants. He was the lead biologist for a task to identify and map all mature trees within a specific distance from the banks of the lakes. He also participated in a water quality analysis effort, responsible for collecting water quality data and occasional water samples at specified locations throughout the lakes on a weekly basis over a six-week period. During the sampling efforts, Mr. McCoy and other environmental scientists shared responsibilities for operating the boat, navigating to the sample points utilizing a GPS Unit, collecting the required water quality data utilizing a YSI ProPlus Quatro meter, and collecting water samples for analysis of specific parameters. Data gathered during all of these tasks have been utilized in the development of the master plan to improve the ecosystem function and recreational opportunities.
06/16-Present	**GREENWOOD PARK MULTI-USE TRAIL PHASE II: Baton Rouge, LA.** *Senior Wetland Scientist* - Mr. McCoy was the senior wetland scientist responsible for conducting the fieldwork associated with a wetland delineation along the proposed route for the trail and for preparing the wetland delineation report to be submitted to the USACE, New Orleans District for a jurisdictional determination. The project is currently under construction.
2010-2016	**AMITE RIVER DIVERSION CANAL MODIFICATION EIS: Ascension and Livingston Parish, LA.** *Senior Scientist* - The project included plan formulation, ecosystem designs, an Environmental Impact Statement, a USFWS Coordination Act Report, a complete depiction of all public coordination and a cost and schedule risk analysis. The project included the proposed restoration of 3,000 acres of freshwater swamp habitat within the Western Maurepas Swamp. Mr. McCoy led the efforts to complete all applicable permits and environmental field tasks including habitat assessments in support of the EIS, biological assessment, coastal zone consistency determination, 404(b)(1) permit application, and the USFWS Coordination Act Report.

Firm employed by	**G.E.C., Inc.**		
Name	**Jason Avant**	Years of relevant experience with this employer	15
Title	Environmental Scientist	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	B.S. / 2004 / Natural Sciences		
Active registration number / state / expiration date	N/A		
Year registered N/A	Discipline N/A		
Contract role(s) / brief description of responsibilities	Role on this Project: **Wetlands / Biological Resources**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Avant is an environmental scientist and lead botanist at GEC. He has 15 years of experience in coastal plant communities and has performed numerous wetland delineations, vegetation and habitat surveys, and threatened and endangered species surveys in support of permit applications and NEPA documentation. Mr. Avant's responsibilities also include identification and determination of wetlands and the preparation of reports, client letters, and nationwide general permits. Mr. Avant is also a certified construction inspector with daily tasks including, but not limited to, review of contractor daily work logs, daily inspection reports, production of daily progress reports, and interpretation and enforcement of bid documents and contract provisions. Mr. Avant has also completed training in the following areas: HAZWOPER 40-hr training and certification, Basic Wetland Delineator Training 404-10 RAPANOS Workshop, Soil and Water Science Short Course, Hydric Soils, Atlantic and Gulf Coastal Plain Regional Supplemental Workshop, Certified Lead Inspector, and Unified Wetland Mitigation Assessment.*
01/14-05/17 **SECTION 17 PROJECT**	**H.004987 US 190/COLLINS BOULEVARD WIDENING (LA 25 TO US 190B): Covington, LA.** *Biologist* - Mr. Avant participated in the preparation of an EA (with FONSI) and the Line and Grade Study to widen approximately three miles of U.S. 190 in Covington, a project which included the construction of new bridges across the Bogue Falaya River. Notably, the project proposed the elimination of all signalized intersections within the project corridor and replacement with roundabouts. Mr. Avant performed wetlands delineation and biological assessments and addressed mitigation and permitting.
01/14-05/16 **SECTION 17 PROJECT**	**H.004983 US HWY. 11 WIDENING (LAKE PONTCHARTRAIN TO SPARTAN DRIVE): Slidell, LA.** *Biologist* - Mr. Avant participated in an EA for the New Orleans Regional Planning Commission (NORPC) in compliance with FHWA NEPA requirements for the widening of US Highway 11 in Slidell, LA. He participated in wetlands delineation, threatened and endangered species analysis, floodplains, and the Phase I ESA.
2002-2012 **SECTION 17 PROJECT**	**700-99-0266 LADOTD TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM MANAGEMENT: Statewide, LA.** *Environmental Technician/Field Biologist* - Mr. Avant was a Field Biologist responsible for the completion of wetland delineations; threatened and endangered species surveys; and the required permit applications necessary for construction of approximately 250 miles of proposed highway right-of-way required for the highway expansion. He was responsible for preparing findings reports and submitting these reports to the appropriate state and federal agencies for review and concurrence. Also he assisted other Environmental Scientists with Phase I Site Assessments within the right-of-way and Asbestos Inspections of structures impacted by the proposed construction
02/07-04/09	**HIGHLAND ROAD (LA 42) IMPROVEMENTS (PERKINS TO AIRLINE): Baton Rouge, LA.** *Biologist* - For this Green Light Plan project, GEC designed additional lanes and a raised median for Highland Road from Perkins Road to Airline Highway. Mr. Avant conducted a wetland delineation in accordance with Section D, Subsection 2 of Technical Report Y-87-1, Corps of Engineers Wetlands Delineation Manual as well as the Atlantic and Gulf Coastal Plains Regional Supplement. The results of the delineation were compiled in a formal report and submitted to the New Orleans District, Corps of Engineers for an approved Jurisdictional Determination.
11/18-02/21	**I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA.** *Biologist* - Mr. Avant participated in the wetland delineation within the proposed project area. He provided field efforts associated with the project and the preparation of the wetland delineation report.
04/07-Present	**GNOEC, LAKE PONTCHARTRAIN CAUSEWAY: St.** *Tammany & Jefferson Parishes, LA. Biologist* - Mr. Avant serves as Biologist for improvements to the Causeway. GEC prepares & conducts regulatory Solicitations of Views, prepares responses to regulatory comments/guidance, conducts wetland delineations, prepares wetland/water body survey reports & prepares Coastal Use Permit applications.

Firm employed by	**G.E.C., Inc.**
Name	**Jason Avant** *Continued Resume*
04/19-12/21	**CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Biologist* - Mr. Avant participated in a wetland delineation, preparing a wetland report, and requesting a Preliminary Jurisdictional Determination from the New Orleans District, Corps of Engineers for both of the bridge replacement locations. Mr. Avant also assisted in preparing the necessary Corps of Engineers permit applications for projected impacts to wetlands and other waters within the project area for both replacement projects. (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)
04/17-Present	**LA 66: BIG BAYOU SARA BRIDGE REHABILITATION: West Feliciana Parish, LA.** *Field Inspector* - Mr. McCoy was responsible for monitoring the nesting activities of cliff swallows under the bridge on a weekly basis while contractors were conducting rehabilitation tasks on the bridge. He was tasked with keeping records of active and inactive nests, number of birds present at the site, nesting activities, and behavior of the birds while construction activities were conducted. If construction activities disrupted the normal activities of the nesting cliff swallows, he was responsible for informing the contractor and suspending those tasks until nesting was complete. Weekly reports were submitted to U. S. Fish and Wildlife Service to provide a summary of the nesting activities.
2010-2016	**AMITE RIVER DIVERSION CANAL MODIFICATION PROJECT: LIVINGSTON PARISH, LA.** *Field biologist* - Mr. Avant performed a wetland delineation of the project area to establish baseline conditions for the EIS wetland sections and wetland value assessment.

Firm employed by	G.E.C., Inc.		
Name	**Will Grant**	Years of relevant experience with this employer	19
Title	Environmental Scientist	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization	B.S. / 1994 / Biology		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Role on this Project: **Wetlands / Biological Resources, Phase I ESAs**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Grant has over 26 years experience in the environmental field conducting research, regulatory compliance and enforcement, planning, coordination, and consulting services on federal and state regulatory compliance issues for numerous governmental and private clients. Mr. Grant has successfully worked with the Louisiana Department of Agriculture and Forestry (LDAF), the Louisiana Department of Natural Resources (LDNR), and the Louisiana Department of Environmental Quality (LDEQ) on hazardous material sites for several clients. Mr. Grant has experience conducting site investigations in accordance with LDEQ's Risk Evaluation/Corrective Action Program (RECAP) and Underground Storage Tank Closure/Change-In Service Guidance Document requirements. Mr. Grant is a certified pesticide research and demonstration investigator and holds 40-hour HAZWOPER certification. Mr. Grant has performed over 200 environmental site assessments in accordance with American Society for Testing and Materials (ASTM) Standard E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process in order to identify recognized environmental condition (REC) sites, including active and inactive UST sites, within and adjacent to right-of-way (ROW) required for highway project construction. Investigations have included research of historical photography, federal, state and local environmental databases, fire insurance maps, field reconnaissance, and interviews with regulatory agency officials and others knowledgeable of the project areas. Mr. Grant has also completed training in the following areas: HAZWOPER 40-hr training and certification, USACE Wetland Delineation Certification, ASTM Phase I & II ESA courses, certified asbestos inspector.*
06/02-06/12 **SECTION 17 PROJECT**	**LADOTD TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM: Louisiana.** *Environmental Scientist*- Mr. Grant functioned as biologist and field team leader for wetland delineation and threatened and endangered species surveys and permitting for the construction of 250 miles, consisting of 37 project segments, of four-lane highway throughout Louisiana. Total project encompassed over 10,000 acres of wetland and endangered species surveys. Subsequent responsibilities included assistance with periodic surveys and habitat assessment updates. Additionally, Mr. Grant conducted multiple Phase I Environmental Site Assessments as well as Phase II Environmental Site Assessments. He prepared a Phase I Environmental Site Assessment Report according to ASTM E1527-00 and a Phase II Report in accordance with ASTM E1903-97 for each of 48 and 150 highway segments, respectively noting recognized environmental conditions within each segment and developing further investigation plans for numerous other sites.
08/10-05/15	**H.010440 GNOEC, NORTH TOLL PLAZA WIDENING: Mandeville, LA.** *Environmental Scientist* - Mr. Grant completed a wetland delineation and permitting of proposed right-of-way expansion and addition of additional toll lanes at the North Shore Toll Plaza, Mandeville, Louisiana. He was responsible for surveying and permitting area for the proposed roadway expansion and installation of a retaining wall adjacent to Lake Pontchartrain. He conducted asbestos inspection of all GNOEC facilities in preparation for major renovation activities
02/07-04/09	**HIGHLAND ROAD (LA 42) IMPROVEMENTS (PERKINS TO AIRLINE): Baton Rouge, LA.** *Environmental Scientist* - Mr. Grant functioned as field crew leader and report manager for the wetland delineation and associated wetland report for the four-lane highway expansion. Project encompassed six distinct wetland communities and other waters over approximately 2 miles of project area. Wetlands delineation included vegetation and soil profile characterization, habitat description, wetland and waterbody boundary determination and mapping, and atypical/problem area assessments.

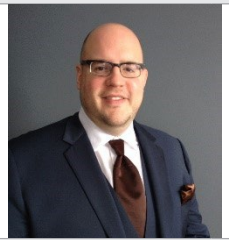
Firm employed by	**G.E.C., Inc.**	
Name	**Will Grant**	*Continued Resume*
2000-Present	**PHASE I AND II ENVIRONMENTAL SITE ASSESSMENTS: Various Locations.** *Environmental Scientist* - Mr. Grant has performed over 200 Phase I and Phase II environmental site assessments. He has performed supervision of all field work, including coordination with property owners, site safety, boring and sample location selection, field equipment operations, collection of samples, and proper site closure. Some of the projects he has performed this work on include: • Phase I and II Environmental Site Assessment, Campti School, Campti, Louisiana, U.S. Army Corps of Engineers - New Orleans District – Assisted in the ASTM E1527-05 Phase I Environmental Site Assessment on the Campti School with additional considerations including suspect asbestos and lead-based paint under EPA's TBA program, and managed the field investigation of asbestos containing material and lead-based paint at an abandoned school complex in accordance with applicable portions of ASTM International Standard E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process and applicable portions contained in LAC Title 33 Part III Chapters 27, 28 and 51. This assessment was conducted under EPA's TBA program. • Phase I & II Environmental Site Assessment, Old Moosa Hospital, Eunice, Louisiana, U.S. Army Corps of Engineers - New Orleans District – Assisted in the ASTM E1527-05 Phase I Environmental Site Assessment with additional considerations including suspect asbestos and lead-based paint on the Old Moosa Hospital under EPA's TBA program. He managed the field investigation of asbestos containing material and lead-based paint at an abandoned hospital complex in accordance with applicable portions of ASTM International Standard E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process and applicable portions contained in the Louisiana Administrative Code (LAC) Title 33 Part III Chapters 27, 28 and 51. This assessment was conducted under EPA's TBA program. • Phase I Environmental Site Assessment, The Esplanade, New Orleans, Louisiana, Balance Consulting – Conducted an ASTM E 1527-00 Phase I Environmental Site Assessment with additional considerations including asbestos on The Esplanade apartment building in conjunction with property transfer. • Phase I Environmental Site Assessment, Cinclare Central Factory, Port Allen, Louisiana, Jones, Waldo, Holbrook & McDonough – Conducted an ASTM E 1527-00 Phase I Site Assessment with additional considerations including an environmental compliance review on the Historical Cinclare Central Factory in preparation for a property transfer. • Phase II Environmental Site Assessment, Former St. Matthew's School, Melrose, Louisiana. U.S. Army Corps of Engineers - New Orleans District — Assisted in the investigation of asbestos containing material and lead-based paint at an abandoned school complex in accordance with applicable portions of ASTM International Standard E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process and applicable portions contained in LAC Title 33 Part III Chapters 27, 28 and 51. This assessment was conducted under EPA's TBA program. • Phase II Environmental Site Assessment, Irving Trust/Red Cross, Alexandria, Louisiana. U.S. Army Corps of Engineers - New Orleans District — Managed the field investigation to quantify recognized environmental conditions associated with former uses of the property identified in a Phase I environmental site assessment. Sampled soil via Geoprobe and groundwater via temporary monitoring wells for analysis of chemical constituents and compared the results to RECAP standards in accordance with ASTM International Standard E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process. This assessment was conducted under EPA's TBA program. • Phase II Environmental Site Assessment, Port Manchac, Manchac, Louisiana. U.S. Army Corps of Engineers - New Orleans District — Managed the field investigation to quantify recognized environmental conditions associated with the adjacent property identified in a Phase I environmental site assessment. Sampled soil via Geoprobe and groundwater via temporary monitoring wells for analysis of chemical constituents and compared the results to RECAP standards in accordance with ASTM International Standard E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process. This assessment was conducted under EPA's TBA program.

Firm employed by	**The Lakvold Group, LLC**		
Name	**Angela Lemoine-Lakvold, MAI, SRA, R/W-AC**	Years of relevant experience with this employer	23
Title	Principal, Appraiser	Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization	B.S. / 1985 / Business and Pubic Administration; MBA / 1998		
Active registration number / state / expiration date	G0575 / Louisiana; R/W-AC / 2012; SRA / 1993		
Year registered 1992	Discipline: General Real Estate Appraiser		
Contract role(s) / brief description of responsibilities	Role on this Project: **Conceptual Stage Relocation Plan**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
59 years of experience	*Angela Lemoine-Lakvold, MAI, SRA, R/W-AC has been a real estate appraiser since 1986. She started her career with LADOTD as a staff appraiser working on road and bridge projects throughout the state of Louisiana. In 1990, she was an appraiser in Baton Rouge, LA where she completed commercial and residential appraisal reports. In 1993, she became a review appraiser for First Commerce Corporation, a holding company for several banks in Louisiana. In 1999 her and husband opened their own appraisal firm, The Lakvold Group. In the last ten years, Angela has specialized in expropriation appraisal work and conceptual stage relocation plans. She has completed numerous appraisals for road improvement projects and pipelines. She has testified as an expert witness in several real estate litigation cases. She has also completed appraisals for conservation easements acquired by the CPRA. She holds the MAI and SRA designation from the Appraisal Institute and a Right-of-Way – Appraisal Certification from the International Right-of-Way Association. In addition to her extensive specialized appraisal education, she has an undergraduate degree in Business and Public Administration from Louisiana State University and an MBA from the University of Louisiana at Lafayette. From 1986-1990, Ms. Lakvold was a staff appraosier with LADOTD.*
05/17-05/20	**H.001271 CANE RIVER BRIDGE CHURCH STREET ENVIRONMENTAL ASSESSMENT: Natchitoches Parish, LA: Mrs.** *Lakvold served as a sub*-consultant for the Cane River Bridge Environmental Assessment Project and provided conceptual stage relocation services. She completed all field visits required to evaluate numerous alternatives for the taking of right-of-way and relocations. She presented her findings in the Final Conceptual Stage Relocation Plan Report, which was approved by LADOTD and FHWA. She attended public meetings and the public hearing for assistance with public outreach.
05/17-03/22	**H.009932 US 80 WIDENING: VANCIL ROAD TO WELL ROAD ENVIRONMENTAL ASSESSMENT: Ouachita Parish, LA: Mrs.** *Lakvold served as a sub*-consultant for the US 80 Widening Environmental Assessment Project and provided conceptual stage relocation services. She completed all field visits required to evaluate numerous alternatives for the taking of right-of-way and relocations. She presented her findings in the Draft Conceptual Stage Relocation Plan Report. She attended public meetings and assisted with public outreach.
12/20-Present	**H.002344, CPP NO. 12-CS-HC-0015, PERKINS ROAD- SIEGEN LANE TO HIGHLAND ROAD: East Baton Rouge Parish, LA.** *Mrs. Lakvold served as a sub*-consultant for the project and provided conceptual stage relocation services. She completed all field visits required to evaluate numerous alternatives for the taking of right-of-way and relocations. Significant residential or commercial right of way acquisitions are anticipated.
2011-2012	**H.004932 (DESIGN-BUILD), US 90 (FUTURE I-49) LA 318 INTERCHANGE: St.** *Mary Parish, LA. Mrs. Lakvold served as a sub*-consultant for the project and provided conceptual stage relocation services. She completed all field visits required to evaluate numerous alternatives for the taking of right-of-way and relocations. The total estimated cost for the alternatives ranged from $32.1 million to $47 million, and this included ROW cost (land only), residential structure acquisitions, mobile home structure acquisitions, commercial structure acquisitions, relocation assistance and estimated construction costs.
01/2010 - Current	Completed appraisals and appraisal reviews on numerous right-of-way projects for federal, state, and local government entities, including: • State Project No. H.007811 Comite River Diversion Canal Project A, EBR Parish, Louisiana • State Project No. H.010087 US Highway 51 and I-12 C & G (Roundabouts), Tangipahoa Parish, Louisiana • State Project No. H.002320 Sullivan Road (Wax Road – Hooper Road) Louisiana Highway 3034, East Baton Rouge Parish, Louisiana • City Parish Project No. 03-CS-HC-0021 State Project No. 07-08-0036 and 077-04-0024 Stumberg Lane Extension Improvements Jefferson Highway to Airline Highway, EBR Parish, Louisiana

	• State Project No. H.010560 Essen Lane Widening Perkins Road to I-10, EBR Parish, Louisiana • State Project No. H.004359 (826-44-0027) Hickory Avenue, Relocated LA 3154 Dickory Extension, Jefferson Parish, Louisiana • State Project No. H.002344 City Parish Project No. 12-CS-HC-0015 Perkins Road to Siegen Lane to Highland Road, EBR Parish, Louisiana • State Project No. H.002822 Nicholson Drive Brightside Lane/West Lee Drive Intersection Improvements, EBR Parish, Louisiana • State Project No. H.007855, LA Highway 934 Intersection Improvements, Ascension Parish, Louisiana • City Parish Project No. 12-CS-HC-0043, State Project No. H.011683 Paulat Boulevard (Picardy- Perkins Connector), EBR Parish, Louisiana • State Project No. H.012290, City Parish Project No. 09-CS-US- 0041 Pecue Lane/I-10 Interchange, EBR Parish, Louisiana • State Project No. H.010924, LA Highway 75 – Roundabouts, Iberville Parish, Louisiana • State Project No. H.002301, North Sherwood Forest Drive Improvements, EBR Parish, Louisiana • State Project No. H.010124, LA Highway 16 Roundabout at LA Highway 447, Livingston Parish, Louisiana • State Project No. H.012233, LA Highway 3064 to LA Highway 1248, Phase I, Dijon Drive Extension, EBR Parish, Louisiana • State Project No. H.007811, FAP No. H007811, Comite River Diversion Canal, East Baton Rouge Parish, Louisiana • State Project No. H.011670 (Design-Build), I-10/Loyola Interchange Improvements, Route I-10, Jefferson Parish, Louisiana • State Project No. H.013690, Runway 13-31 Safety Area, R.P.Z. Improvements, LA Highway 67/Plank Road, Phase I, EBR Parish, Louisiana • State Project No. H.011496, Quail Drive: Turn Lane at Perkins (LA 427), EBR Parish, Louisiana • State Project No. H.010960, LA 30 Roundabouts @ Tanger Mall & I-10, Ascension Parish, Louisiana • Facility Planning and Control Project No. 50-J53-14-03, Hoover Road Widening, Tangipahoa, Louisiana • St. Tammany Regional Airport, Acquisition for Runway Improvements, St. Tammany Parish, Louisiana • State Project No. H.010815, LA 124 Extension (Segment 1), Catahoula Parish, Louisiana • State Project No. H.00984, LA 75 Bayou Bridge, Iberville Parish, Louisiana • State Project No. H.002381, LA 43 Creek Bridge Near Albany, Livingston Parish, Louisiana • State Project No. H.002101, Bayou Des Cannes Bridge – LA Highway 104, Evangeline Parish, Louisiana • State Project No. H.011198, LA 1026 Roundabout at Dunn Road, Livingston Parish, Louisiana
01/2012 – Current	Completed several Conceptual Stage Relocation Plans as part of the Environmental Assessment for several projects for LADOTD including: • State Project No. H.007970, CPP No. 12-CS-HC-0043, Old Hammond Highway (LA 426) Segment 1, East Baton Rouge Parish, Louisiana • State Project No. H.011670 (Design-Build), F.A.P. No. H011670, Interstate 10/Loyola Interchange Improvements, Jefferson Parish, Louisiana • State Project No. H.005734, F.A.P. No. H005734, LA 447 Corridor Study, Route LA 447, Livingston Parish, Louisiana • State Project No. H0012308, Cook Road Imp: LA 16 to Juban Crossing, Livingston Parish, Louisiana • State Project No. H.000284 and H.000289, F.A.P. No. H000284 and H000286, US 90 Pearl River Bridges, Route US 90, St. Tammany Parish, Louisiana and Hancock County, Mississippi

Firm employed by	**Arcadis**		
Name	**Justin Maderia, PE, PTOE, PTP**	Years of relevant experience with this employer	17
Title	Noise and Air Expert	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	M.S. / 2005 / Civil Engineering; B.S. / 2004 / Civil Engineering		
Active registration number / state / expiration date	38492 / Louisiana / 03-31-2024; 3455 / USA / 07-01-2024; 604 / 07-01-2023		
Year registered 2013	Discipline: Professional Engineer, Civil; PTOE; PTP		
Contract role(s) / brief description of responsibilities	Role on this Project: **Air Quality/Noise Modeling**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Maderia's experience in transportation engineering includes safety studies, feasibility studies, traffic flow/demand modeling, spot speed studies, micro-simulation modeling, and traffic noise modeling. His experience with safety studies includes crash review and analysis, development of safety improvements and countermeasures, and application of Highway Safety Manual (HSM) methodologies to evaluate the effectiveness of safety improvements. He has also served as the project engineer responsible for the design of highway projects. Specific design experience includes maintenance of traffic design, traffic control plan design, roadway geometry, horizontal and vertical alignment design. His software program experience includes IHSDM, AutoCAD, MicroStation, Geopak, AutoTurn, SignCAD, GIS, TNM, CORSIM, VISSIM, HCS and all Microsoft Office Applications. Mr. Maderia has completed LADOTD Traffic Engineering Process and Report Training.*
08/12 – 05/13	**I-210 COVE-NELSON INTERCHANGE IMPROVEMENTS EA, ABMB ENGINEERS, INC.:** Lake Charles, Louisiana. Design Engineer. This project involved the Environmental Assessment completion for proposed improvements to I-210 between Cove Lane and Nelson Road. The project included improvements along I-210 and the adjoining local street network. The interchange improvements provide access to future development and address future traffic needs. The study was conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance, issued by FHWA in 1995, and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer, conducting traffic noise impact assessment portion of the study.
06/13 – 03/16	**US-11 ENVIRONMENTAL ASSESSMENT - TRAFFIC & NOISE, LADOTD:** Slidell, Louisiana. Transportation Engineer. Responsible for developing existing and future traffic volumes, growth rate estimation, alternative evaluation, preliminary traffic signal timing analysis, and crash analysis. This project includes replacement of the bridge over the Norfolk Southern Railroad and widening the roadway from a two-lane undivided to a four-lane divided roadway for the segment of US 11 between I-12 and US 190 (Gause Boulevard) in Slidell. The project study area is comprised of Synchro analysis for six signalized and four unsignalized intersections.
08/12 – 05/13	**I-210 COVE LANE/NELSON ROAD INTERCHANGE IMPROVEMENTS, LADOTD:** Calcasieu Parish, Louisiana. Design Engineer. This project involved the Environmental Assessment completion for proposed improvements to I-210 between Cove Lane and Nelson Road. The project included improvements along I-210 and the adjoining local street network. The interchange improvements provide access to future development and address future traffic needs. The study was conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance, issued by FHWA in 1995, and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer, conducting traffic noise impact assessment portion of the study.
12/11 – 07/13	**CHEF MENTEUR BRIDGE AND APPROACHES ROUTE US 90, LADOTD:** Orleans Parish, LA. Design Engineer. This project involves the Environmental Assessment completion for proposed improvements to the Chef Menteur Bridge and Approaches. The proposed project includes replacing the existing Chef Menteur Pass Bridge and Approaches, located in Orleans Parish on U.S. Highway 90. The project calls for a replacement bridge with two 12-foot-wide travel lanes and 10-foot-wide shoulders on each side. The logical termini were approved by the Federal Highway Administration (FHWA). The study area extends along US 90 from US 11 to Louisiana Highway 433. The study is conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance issued by FHWA in 1995 and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer conducting traffic noise impact assessment portion of the study.

Firm employed by	**Arcadis**		
Name	**Luis Velasquez, PE**	Years of relevant experience with this employer	7
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		B.S. / 2012 / Civil Engineering	
Active registration number / state / expiration date		86996 / Georgia / 12-31-2023	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Air Quality/Noise Modeling**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Luis Velasquez is an air quality and noise analyst with 7 years of experience in transportation engineering. His engineering experience includes developing environmental air and noise special studies for a wide variety of roadway and bridge projects. Services included carbon monoxide analysis using CAL3QHC, Mobile Source Air Toxics (MSAT) analysis, PM2.5 review, ozone conformity review and Traffic Noise Model 2.5 (TNM 2.5) analysis. The air analysis also includes a review of conformity to the National Ambient Air Quality Standards (NAAQS) for ozone, nitrogen dioxide, sulfur dioxide, and lead. Experienced performing noise studies in accordance with FHWA Highway Traffic Noise Policy and Guidance and state DOT noise policies.*
12/18 – 05/19	**I-40 AT I-77 AT INTERCHANGE IMPROVEMENTS, TIP PROJECT I-3819, FLATIRON CONTRACTORS:** NC. Noise Subject Matter Expert for the proposing Design-Build Team (Flatiron Constructors), reviewing the design noise report as part of the pre-bid tender phase of the project. The noise analysis review completed by Luis, included becoming familiar with the NCDOT Traffic Noise Policy and providing details of the design noise report to the Design-Build Team. The expert review provided by Luis indicated that the design noise report completed back in 2010 did not meet new NCDOT Traffic Noise Policy requirements. A risk assessment workshop was completed with the roadway engineers, noise team, and contractors to determine how best to estimate for new noise barriers along the project limits.
07/15 – 05/19	**I-85 HOT LANE EXTENSION PI# 110600, CW MATTHEWS CONTRACTING COMPANY:** Atlanta, GA. Noise Subject Matter Expert for the proposing Design-Build Team (C.W Matthews Contracting) reviewing the noise report as part of the pre-bid tender phase of the project. Provided details of the noise report to the Design-Build Team and coordinated with roadway design engineers for optimal placement of the required noise barriers. Re-designed and optimized the required noise barriers, while still meeting GDOT Noise Policy, and reduced the project total barrier area by an estimated 50,000 square feet, providing an estimated cost savings of $1.3M to the contractor.
07/17 – 05/19	**I-85 GENERAL PURPOSE LANE WIDENING. PI# 110610, CW MATTHEWS CONTRACTING COMPANY:** Atlanta, GA. Noise Subject Matter Expert for the proposing Design-Build Team (C.W Matthews Contracting) reviewing the noise report as part of the pre-bid tender phase of the project. Re-designed and optimized the required noise barriers, while still meeting GDOT Noise Policy, and reduced the project total barrier area by an estimated 20,000 square feet, providing an estimated cost savings of $500K to the contractor.
09/13 – 03/16	**I-285 AT RIVERSIDE DRIVE, GDOT:** Atlanta, GA. Traffic Engineer. Conducted a traffic noise impact assessment for the proposed Interstate 285 at Riverside Drive interchange modification. Project responsibilities included data collection of existing conditions, and traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts based on the proposed interchange configuration, and investigated the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Compiled all noise analysis and results into narrative reports and figures.
04/14 – Ongoing	**I-285 @ GA 400, GDOT:** Metro Atlanta, GA. Traffic Engineer. Conducted traffic noise impact assessment for one of Metro Atlanta's most congested interchanges to support a Environmental Assessment, public involvement, and NEPA Re-Evaluation. Performed data collection of existing conditions, and traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts based on the proposed interchange configuration. Investigated the feasibility of noise mitigation measures (sound barriers) including benefit-cost ratios.

Firm employed by	**Gulf South Research Corporation**		
Name	**John Lindemuth**	Years of relevant experience with this employer	26
Title	Principal Investigator / Archaeologist	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	M.A./1994/Anthropology; B.A./1990/Anthropology/Sociology		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Role on this Project: **Archaeologist**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Lindemuth has 23 years of experience in cultural resource management. He has participated in and supervised intensive cultural resources surveys, NRHP Eligibility archaeological site testing, and data recovery excavations in nine states. He has experience in both prehistoric and historic site evaluation and excavation. He has analyzed both historic and prehistoric cultural remains for several different projects. Mr. Lindemuth's experience working with governmental agencies at the local, state, and Federal levels has given him a broad knowledge of compliance with Section 106 of the NHPA and has completed the Introduction to Section 106 Review Course offered by the Advisory Council.. Mr. Lindemuth has supervised and participated in chain of title search for historic properties, cultural resources surveys (Phase I), archaeological site testing (Phase II), and data recovery (Phase III). Mr. Lindemuth has also prepared technical reports which outlined the results of all phases of archaeological investigations as well as agreement documents, such as Memorandums of Agreement (MOAs) and Programmatic Agreements (PAs), and preparation of Section 106 Adverse Effects documentation. Mr. Lindemuth is also familiar with the preparation of artifacts and associated records for permanent curation in accordance with curation guidelines, including those published by the Louisiana Division of Archaeology. Mr. Lindemuth is very familiar with conducting Section (4f) evaluations for DOTD and FHWA when highway improvements have the potential to affect public parks and recreational areas, waterfowl and wildlife refuges, and historic sites.*
08/18-05/20	**PRINCIPAL INVESTIGATOR. CULTURAL RESOURCES SURVEY OF 12.01 LINEAR MILES AND 20 GRADING AND CONSTRUCTION EASEMENTS FOR THE PROPOSED RIO GRANDE CITY ROAD IMPROVEMENT PROJECT:** Rio Grande City, Texas, Rio Grande Valley Sector, U.S. Customs and Border Protection, Department of Homeland Security, Starr County, Texas. Mr. Lindemuth served as Principal Investigator for the intensive cultural resources survey of 12.01 linear miles of road construction and improvement corridor totaling 57.4 acres. The survey included a pedestrian walkover, excavation of shovel test pits, and mechanical deep testing. The survey identified 14 new archaeological sites, revisited and updated two previously identified archaeological sites, and recorded 12 isolated occurrences. Four of the 16 archaeological sites recorded or updated during the surveys were recommended for additional testing to determine their eligibility for the NRHP. Mr. Lindemuth directed crews in the field, co-authored the cultural resources technical report, and integrated the findings in the associated NEPA documentation for the project.
12/13-12/14	**PRINCIPAL INVESTIGATOR. PHASE I CULTURAL RESOURCES SURVEY FOR THE PROPOSED ENGLAND AIRPARK CLEARING AND GRUBBING FOR WILDLIFE HAZARDS CONTROL:** Mr. Lindemuth served as the principal investigator for the cultural resources survey of 53 acres for proposed clearing and grubbing. Two archaeological sites, two standing structures, and two isolated finds were recorded during the surveys. None of the sites, standing structures, or isolated finds were recommended eligible for the NRHP. Mr. Lindemuth wrote the technical report outlining the results of the study and also integrated the results into the Environmental Assessment, which was prepared for the project in compliance with the National Environmental Policy Act.
04/14-10/17	**PRINCIPAL INVESTIGATOR. ARCHAEOLOGICAL PHASE II TESTING AND PHASE III MITIGATION AND DATA RECOVERY AT TWO CULTURAL RESOURCES SITES, THE MCNUTT PLANTATION (16RA692) AND THE WEIL PROPERTY (16RA703), FOR ENGLAND ECONOMIC AND INDUSTRIAL DEVELOPMENT DISTRICT:** Alexandria, Louisiana. Mr. Lindemuth served as the principal investigator for the combined Phase II NRHP archaeological site testing and Phase III data recovery excavations for two historic sites located in Rapides Parish, Louisiana. Mr. Lindemuth aided in the development of the Research Design and Work Plan, culling agreement, the management summaries for both the Phase II and Phase III work, the Memorandum of Agreement to address the adverse impacts on the sites, and the combined Phase II and III technical report. The project recovered over 3,000 artifacts dating from the middle nineteenth to twentieth century found in association with multiple features including foundation piers and a belowground

Firm employed by	**Gulf South Research Corporation**
Name	**John Lindemuth** *Continued Resume*
	cistern. The production of the management summaries allowed for the expedited review of the project so that it could proceed while the final cultural resources report was completed.
07/07-01/16	**PRINCIPAL INVESTIGATOR. PHASE I SURVEY OF THE PROPOSED I-69 CORRIDOR:** Caddo and Bossier Parishes, Louisiana. Mr. Lindemuth served as principal investigator and supervised the field excavations during the Phase I cultural resources survey. The project consisted of multiple phases of data collection that were analyzed using GIS and used for the planning of the project corridor. The sources of data included known archaeological sites, known historic standing structures, geomorphology of the area, high- and low-probability zones developed by the principal investigator, the geomorpologist, and field director, and the results of a standing structure survey of a preferred corridor. Phase I intensive cultural resources surveys were conducted on the alignment selected using these criteria. Mr. Lindemuth was the primary author of the cultural resources survey report, which outlined the results of the surveys.

Firm employed by	**Gulf South Research Corporation**		
Name	**Bretton Somers, Ph.D.**	Years of relevant experience with this employer	15
Title	Principal Investigator / Archaeologist	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	Ph.D./2007/Geography; M.A./2004/Geography; B.A./1994/Communications		
Active registration number / state / expiration date	RPA/2022		
Year registered 2005	Discipline: Registered Professional Archaeologist		
Contract role(s) / brief description of responsibilities	Role on this Project: **Archaeologist**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Dr. Somers joined the team at GSRC as an archaeologist in 2007. His 2007 completion of his doctorate provided him with 6 years of experience in archaeological research, fieldwork, and GIS analysis. With GSRC, Dr. Somers has supervised and participated in over 50 cultural resources investigations including Section 106, Section 110, and environmental compliance projects in 19 states. Dr. Somers has also worked outside the U.S. in Belize and Cuba. This involvement has provided a broad base of experience in prehistoric and historic archaeology across several regions of North America, has allowed him the opportunity to work with numerous tribal and government agencies at the local, state, and Federal levels, and has given him a broad knowledge of cultural resources laws and regulations. He has completed the Introduction to Section 106 course offered by the Advisory Council.*
03/20-05/20	**PROJECT MANAGER/PRINCIPAL INVESTIGATOR. PHASE I ARCHAEOLOGICAL INVESTIGATION OF THE ST. ROSE TO NORCO PIPELINE:** St. Charles Parish, Louisiana. Dr. Somers served as project manager and principal investigator for the intensive Phase I cultural resources survey of 7.4 miles (75.14 acres) of proposed new pipeline from the International Matex Tank Terminal (IMTT) in St. Rose to portions of Shell's Norco Manufacturing Complex facility in Norco in St. Charles Parish, Louisiana. GSRC conducted the investigation on behalf of Ramboll US Corporation (Ramboll) under Section 106 of the National Historic Preservation Act. The investigation included an intensive Phase I archaeological survey combining pedestrian surface inspection with shovel test pits (STPs) along transects using a high probability predictive model. No archaeological sites were recorded during this investigation. No aboveground/built resources over 50 years of age were recorded within or adjacent to the survey area. As a result, no further archaeological investigations were recommended for the project area.
02/13-12/13	**PRINCIPAL INVESTIGATOR. CAMBRIDGE ENERGY FLOATING LIQUEFIED NATURAL GAS (FLNG) FACILITY:** Plaquemines Parish, Louisiana. Cambridge Energy, LLC is proposing the construction and operation of a FLNG facility on the Mississippi River in Plaquemines Parish, Louisiana. Cambridge Energy contracted GSRC for the preparation of Resource Reports with sufficient information and analysis for the preparation of an EIS. The selected area of potential effect (APE) includes dredging from the navigation channel of the Mississippi River into the batture and natural levee on the east bank of the river across from Venice, Louisiana. A portion of the facility extends eastward into the coastal marsh. The cultural resources portion of the investigation involved a terrestrial survey of the high ground portions of the APE, a fan boat inspection of the marsh portion of the APE, and a marine remote sensing survey of the proposed area of dredge activity in the Mississippi River channel. Dr. Somers was responsible for coordination with the Louisiana SHPO, background research, assessing required research needs given the fluvial, terrestrial, and marsh landscape, conducting the terrestrial and marsh fieldwork, coordinating with a team of marine archaeologists to perform the marine remote sensing survey, and synthesizing all data collected into the required reports for the project. No cultural resources were discovered in the initial field surveys of the APE.
08/10-11/12	**PRINCIPAL INVESTIGATOR. PHASE I CULTURAL RESOURCES SURVEY FOR THE PROPOSED IMPROVEMENTS TO THE NEW ORLEANS TO VENICE LEVEE PROTECTION PROJECT:** Plaquemines Parish, Louisiana, U.S. Army Corps of Engineers (USACE), Vicksburg District. Dr. Somers served as the principal investigator for the Phase I cultural resources survey of approximately 4,208 acres distributed along linear corridors flanking 86.8 miles of the Federal Mississippi River Levee and back levees in lower Plaquemines Parish, Louisiana. The project included restoring, armoring, and accelerated completion of the existing Federal levees on the east bank from Phoenix to Bohemia (15.8 miles of back levee) and on the west bank from St. Jude to Venice (37 miles of back levee and 34 miles of Mississippi River levee) to provide the authorized design grade for storm risk reduction. The project APE included Mississippi River Batture, the protected land between the levees and coastal marsh on the outside of the back levees. The investigation

	resulted in the recovery of several thousand artifacts and the recording of 43 newly discovered Historic period sites. Of the 43 newly recorded sites, examination of field data and laboratory analysis of artifacts resulted in recommendation of one site as eligible, 29 sites as ineligible, and 13 sites of undetermined eligibility for the NRHP.
09/13-03/17	**PROJECT MANAGER/PRINCIPAL INVESTIGATOR. NAVAL AIR STATION MERIDIAN PHASE II ARCHAEOLOGICAL EVALUATION OF SITES 22LD693 AND 22LD697:** Lauderdale County, Mississippi. Dr. Somers provided overall administrative oversight for the project, including scheduling; cost management; recruiting, hiring, and supervising necessary personnel; and coordinating with the NAVFAC SE Technical Representative and Cultural Resource Manager at Naval Air Station (NAS) Meridian. Additionally, Dr. Somers served as Principal Investigator, developing the work plan for the investigation, supervising, and participating in fieldwork, and preparing the technical report and Powerpoint™ presentation. This project was conducted under Section 110 of the NHPA of 1966, and with its implementing regulations (16 United States Code [U.S.C.] 470h-2[a]). The investigation included an archaeological survey with shovel testing along transects within an area of 2.7 acres for site 22LD693 and 3.66 acres for site 22LD697 to relocate and delineate the boundaries of the sites. Once the sites were relocated, additional shovel testing was conducted to further define the horizontal and vertical site boundaries and to determine concentration areas of cultural material. Test units measuring 1 meter (m) by 1 m wide and 1 m below ground surface were excavated at each site. This investigation has revealed that sites 22LD693 and 22LD697 consist of sparse scatters of prehistoric artifacts. As sparse artifact scatters, sites 22LD693 and 22LD697 do not possess the data necessary to determine association with Criteria A, B, or C, but could contribute information pertaining to Criterion D. However, neither site exhibited the potential for cohesive cultural deposits that would indicate a significant cultural presence or activities from which additional information could be obtained. Further, considering the limited nature of findings from this investigation combined with those from the previous investigation of the sites, the information potential for sites 22LD693 and 22LD697 has been exhausted. It was recommended that the NRHP determination for these two sites as not eligible was appropriate and no further work is warranted.
12/13-10/17	**ENVIRONMENTAL COMPLIANCE ASSISTANCE FOR CLEARING AND GRUBBING 302 ACRES AT ENGLAND AIRPARK:** Alexandria, Louisiana. GSRC personnel prepared the Phase I cultural resources survey report, a research design for both the Phase II archaeological site testing and Phase III data recovery investigations, a management summary outlining the result of the Phase II archaeological site testing investigations, Adverse Effects Documentation on the two eligible archaeological sites, the Memorandum of Agreement for mitigation of adverse effects on the two archaeological sites, and a management summary for the Phase III data recovery investigations, and is the technical report that detailed the combined results of both the Phase II archaeological site testing and Phase III data recovery investigations. GSRC personnel also analyzed the artifacts recovered from the Phase II and III investigations in their in-house laboratory and are prepared the collection for permanent curation.
09/13-05/15	**ARCHAEOLOGICAL SURVEY REQUIREMENTS PHASE I FORT POLK:** Vernon Parish, Fort Polk Louisiana. Task Manager - GSRC conducted the Phase I cultural resources survey utilizing parallel transects and shovel tests spaced at 30- or 50-meter intervals, dependent on the probability zones provided in the Fort Polk Site Probability Model. The terrestrial survey resulted in the excavation of over 21,000 shovel test pits (STP) across the survey area. An additional 3,677 STPs were excavated during the recording and updating of archaeological sites during the survey. GSRC was also responsible for the conservation of over 3,000 artifacts recovered during the survey effort and the preparation of the artifacts and associated documents for curation including the creation of a curation inventory. GSRC also prepared a technical report outlining the results of the survey and that addressed research questions regarding settlement patterns and lithic resource use in the area.

Firm employed by	**Gulf South Research Corporation**		
Name	**Elizabeth Hunt**	Years of relevant experience with this employer	4
Title	Archaeologist / Director	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		M.A./2017/Anthropology; B.A./2012/Anthropology and History	
Active registration number / state / expiration date		Registered Professional Archaeologist	
Year registered	2017	Discipline	N/A
Contract role(s) / brief description of responsibilities		Role on this Project: **Archaeologist**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
10 years of experience	*Ms. Hunt joined GSRC as an archaeologist in 2018 and has had several years of experience in Cultural Resource Management (CRM) since completing her B.A in Anthropology in 2012. She has participated in and supervised Phase I cultural resources surveys, National Register Eligibility archaeological site testing, data recovery excavations, and monitoring in seven states, including Louisiana. She has experience in both prehistoric and historic site evaluation and excavation. She has also analyzed both historic and prehistoric cultural remains for several different projects. Ms. Hunt's experience working with governmental agencies at the local, state, and Federal levels has given her a broad knowledge of Section 106 compliance of the NHPA. Ms. Hunt has completed the Section 106 Essentials course by the Advisory Council on Historic Preservation (ACHP).*
02/21-07/21	**ARCHAEOLOGIST/PROJECT DIRECTOR. CULTURAL RESOURCES SURVEY OF 1.9 ACRE FOR THE PROPOSED BONITA BRIDGE REPLACEMENT SITE:** Morehouse Parish, Louisiana. Ms. Hunt served as the Project Director and Field Director for the cultural resources survey of approximately 1.9 acres in Morehouse Parish, Louisiana. The survey was conducted for the Louisiana Department of Transportation and Development (DOTD), on behalf of the Federal Highway Administration (FHWA). The survey was conducted for the proposed replacement site of the Union Pacific Railroad Overpass Bridge. Prior to initiation of fieldwork, Ms. Hunt conducted background and archival research including previously conducted archaeological investigations and previously recorded archaeological sites and historic structures in the region. No archaeological resources were recorded as a result of the investigation. Given the lack of any cultural resources recorded during the survey, a negative findings report was produced for submittal to the Louisiana State Historic Preservation Officer as part of consultation under Section 106 of the NHPA. Ms. Hunt served as a co-author for this negative findings report.
09/18-01/21	**ARCHAEOLOGIST/PROJECT DIRECTOR. PHASE I CULTURAL RESOURCES SURVEY FOR THE BIENVILLE NATIONAL FOREST SERVICE:** Smith, Newton, and Scott Counties, Mississippi. Ms. Hunt served as the Project Director for the cultural resources survey of approximately 4,017 acres in Smith, Newton, and Scott counties, Mississippi within the Bienville National Forest. This work was completed in support of proposed logging activities throughout the forest on behalf of the U.S. Department of Agriculture (USDA). Prior to fieldwork, Ms. Hunt conducted background and archival research for previously conducted archaeological investigations and archaeological sites. Ms. Hunt was the co-author for the cultural resources survey report that was submitted to the Mississippi Department of Archives and History, State Historic Preservation Officer (SHPO) as part of consultation under Section 106 of the National Register of Historic Places (NRHP).
11/17-05/18	**ARCHAEOLOGIST/PROJECT DIRECTOR. PHASE I CULTURAL RESOURCES SURVEY FOR IRRIGATION LAND LEVELING AND RELATED CONSERVATION PRACTICES EAST OF CYPRESS CREEK IN RICHLAND PARISH:** Louisiana. Ms. Hunt served as the Project Director and Crew Chief for a cultural resources survey during Phase I shovel testing for the proposed land disturbance in agricultural fields to the east of Cypress Creek in Richland Parish, Louisiana. Seven archaeological sites were located and recorded as a result of the survey. These sites were recommended ineligible for the NRHP. Ms. Hunt prepared a cultural resources survey report, which outlined the results of the study with the Louisiana Public Archaeology Lab, University of Louisiana at Lafayette on behalf of the Natural Resources Conservation Service (NRCS), U.S. Department of Agriculture (USDA) to be submitted to Louisiana Office of Cultural Development, Division of Archaeology.

Firm employed by	**Gulf South Research Corporation**
Name	**Elizabeth Hunt** *Continued Resume*
11/17-5/18	**ARCHAEOLOGIST/PROJECT DIRECTOR. CULTURAL RESOURCES SURVEY FOR THE WILLOW LAKE SITE (16MA115) IN MADISON PARISH:** Louisiana. Ms. Hunt served as Project Director and Crew Chief for the site delineation and cultural resources survey for the Willow Lake Site in Madison Parish, Louisiana. Based on an agreement between the Louisiana Office of Cultural Development, Division of Archaeology, the USDA, NRCS, and the Choctaw Nation of Oklahoma, an archaeological survey of the Willow Lake Site was completed to delineate the site boundaries. Based on the horizontal and vertical extent of the cultural deposits encountered during shovel testing a site boundary and buffer zone was determined to eliminate any potential destruction of the site. Ms. Hunt prepared the proper write-up providing the information that was recovered during the survey while working with the Louisiana Public Archaeology Lab, University of Louisiana at Lafayette to fulfil the agreement.
04/17-11/17	**ARCHAEOLOGICAL TECHNICIAN. PHASE I CULTURAL RESOURCES SURVEY FOR THE TOMBIGBEE NATIONAL FOREST, MISSISSIPPI:** Ms. Hunt participated in Phase I cultural resources surveys within the National Forest.
09/17-10/17	**PROJECT ARCHAEOLOGIST. PHASE I CULTURAL RESOURCE SURVEY AND MONITORING THE DIAMOND PIPELINE IN CENTRAL ARKANSAS. MS:** Hunt participated in Phase I cultural resources survey and monitoring the construction during the construction of Diamond Pipeline.

Firm employed by	**Gulf South Research Corporation**		
Name	**Suna Adam**	Years of relevant experience with this employer	29
Title	President	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	B.S. / 1988 / Forestry-Wildlife Management		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Role on this Project: **Cultural Resources Quality Control / Quality Assurance**		

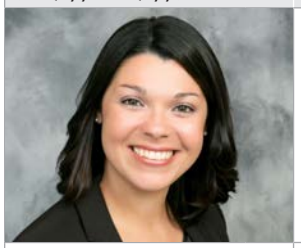
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Ms. Adam is the President and a Senior Biologist at GSRC. As President, Ms. Adam maintains ultimate technical and financial responsibility for all contracts. She, therefore, also has the authority to assign personnel to projects, acquire the equipment or additional personnel necessary to complete a task, and to obtain subcontractors or consultants on an as needed basis. Ms. Adam has served as contract manager on numerous indefinite delivery contracts for various Federal agencies, including the U.S. Army Corps of Engineers. Under her leadership, GSRC has grown from one employee in 1994 to 34 full time professionals and has grown the contract base to provide annual revenues of several million dollars. As an ecologist, Ms. Adam has participated in numerous environmental projects ranging from endangered species surveys and wetland delineations to environmental assessments and environmental impact statements. Ms. Adam has attended various training courses including the NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making", a 40-hour Hazardous Waste Training course under 29 CFR 1910.1120 requirement, the U.S. Army Corps of Engineers Regulatory IV Wetland Identification and Delineation course, a U.S. Fish and Wildlife Symposium on the red-cockaded woodpecker, and a Habitat Evaluation Procedures (HEP) course also sponsored by the U.S. Fish and Wildlife Service.*
05/12-05/17	**PROGRAM MANAGER. IDIQ CONTRACT FOR NATURAL AND CULTURAL RESEARCH AND DEVELOPMENT SERVICES:** for Various Military and Civil Works Projects at Fort Polk, Louisiana, and other locations within the Southwest Division of the USACE. Ms. Adam managed this contract and provided oversight on task orders issued to support projects that included engineering technical support for the Fort Polk Installation Restoration Program (IRP); Phase I Environmental Site Assessments; the preparation of habitat restoration plans; wetland delineations; cultural resources surveys, standing structures (architectural) / built environment surveys and evaluations, and archaeological surveys; NEPA for an Immigration and Customs Enforcement (ICE) facility in Louisiana and U.S. Border Patrol (USBP) towers in Texas; sustainability studies; and greenhouse gas emissions inventories.
08/10-11/11	**PROGRAM MANAGER. SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT, HURRICANE PROTECTION LEVEE IMPROVEMENT PROJECT:** New Orleans to Venice, Louisiana, U.S. Army Corps of Engineers, Vicksburg District. GSRC prepared a SEIS for the USACE, Vicksburg District, to evaluate potential impacts associated with the authorized improvements to the New Orleans to Venice (NOV) Federal Hurricane Protection Levee system in Plaquemines Parish, Louisiana. The proposed action is located along the Mississippi River corridor in Plaquemines Parish, Louisiana, and includes the Mississippi River and back levee reaches where approximately 90 miles of levees, floodwalls, and floodgates extending from Phoenix to Venice would be modified. The project included restoring, armoring, and accelerated completion of the existing Federal levees on the east bank from Phoenix to Bohemia (15.8 miles of back levee) and on the west bank from St. Jude to Venice (37 miles of back levee and 34 miles of Mississippi River Levee) to provide the authorized design grade for storm risk reduction. GSRC was also tasked with conducting a cultural resources survey in support of the SEIS. Ms. Adam was the Program Manager for this project and assisted in preparation of biological sections of the SEIS.
05/07-11/10	**QUALITY CONTROL SUPERVISOR. ENVIRONMENTAL AND HISTORICAL PRESERVATION REVIEW FOR THE ALTERNATIVE HOUSING PILOT PROJECT:** Federal Emergency Management Agency (FEMA) (HSFEHQ-07-C-0173). Ms. Adam coordinated the contractual agreements, agency meetings, and technical reviews of all documents submitted for this contract. GSRC was contracted to conduct numerous surveys; cultural, protected species, and wetland delineations within the Gulf Coast region from Texas to Alabama. These areas were affected by hurricanes Katrina and Rita, therefore alternative housing needs were identified in these regions and surveys of these areas were required. GSRC archaeologists and biologists surveyed areas that were identified to become residential development for displaced families.

Firm employed by	**G.E.C., Inc.**		
Name	**Carlos Perez**	Years of relevant experience with this employer	21
Title	GIS Technician	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	B.S. / 1998 / Anthropology; Masters Work, Anthropology, 1998-2000		
Active registration number / state / expiration date	161073 / 07-25-2024		
Year registered 2021	Discipline: GISP		
Contract role(s) / brief description of responsibilities	Role on this Project: **GIS / CADD / Renderings**		

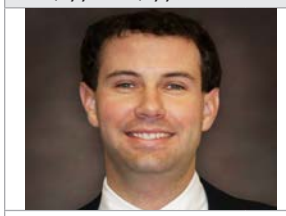
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Perez is a GIS developer and project manager in the Environmental Department. He has worked extensively with field GPS units, downloading data and creating GIS coverages from GPS Data following field sampling and designing web interfaces for GIS data, including for SHPO and for LDWF, among others. Mr. Perez has experience in both ESRI and Intergraph GIS software in addition to digitizing skills in Microstation and IRAS-C. Mr. Perez is also experienced in programming in Visual Basic for ArcObjects, HTML, Java, ASP.NET, Flex, SQL, ArcGIS Server, and ArcIMS, allowing for greater customization of ESRI and Oracle products. His background in archaeology and Section 106 compliance adds to the diversity of GEC's Environmental Department providing additional insight especially when performing NEPA impact analyses, which include cultural resources.*
01/02-12/10 **SECTION 17 PROJECT**	**700-99-0266 / LADOTD TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM: Statewide, LA.** *GIS Analyst/Developer-* GIS was used for analysis and display of 55 road segment improvement projects throughout the state of Louisiana. Potential environmental impacts were identified through digitizing, georeferencing, GPS, ground-survey, and the use of aerials. Large sets of cad-based data were converted to GIS and used for analysis. Georeferenced Soil Survey Maps were used in digitizing and analyzing prime and unique farmlands. GIS was used to aid in the preparation and approval of the environmental documentation and preparation of environmental permit applications. An ArcIMS Website was also implemented for the completed data sets.
01/14-05/17 **SECTION 17 PROJECT**	**H.004987 / U.S. HIGHWAY 190/COLLINS BOULEVARD WIDENING (US-190B – LA 25) ENVIRONMENTAL ASSESSMENT: Covington, LA.** *GIS Analyst-* Mr. Perez aided in the preparation of the Environmental Assessment (with FONSI) and Line, and Grade Study to widen approximately 3 miles of U.S. 190 in Covington, a project that included the construction of new bridges across the Bogue Falaya River. Notably, the project proposed the elimination of all signalized intersections within the project corridor and replacement with roundabouts. Mr. Perez managed the GIS database of all characteristics of the study area, created renderings for public and stakeholder outreach, and aided in the public and stakeholder outreach activities.
01/14-05/16 **SECTION 17 PROJECT**	**H.004983 / U.S. HWY. 11 WIDENING (LAKE PONTCHARTRAIN TO SPARTAN DRIVE) ENVIRONMENTAL ASSESSMENT: Slidell, LA.** *GIS Analyst* - Mr. Perez aided in the preparation of the Environmental Assessment (with FONSI) and Line and Grade Study for this highway-widening project. Mr. Perez managed the GIS database of all characteristics of the study area, created renderings for public and stakeholder outreach, and aided in the public and stakeholder outreach activities. He assisted in conducting regulatory Solicitations of Views and preparing the EA and supporting reports.
10/03-06/13 **SECTION 17 PROJECT**	**700-28-0004 / US 71/165 FORT BUHLOW BRIDGE AND APPROACHES: Alexandria, LA.** *GIS Analyst* - Mr. Perez managed and developed the GIS database, permit drawings, line and grade figures, renderings for all stages of the project including the feasibility study, Environmental Assessment with FONSI, preliminary and final design plans, and construction phases. GEC served as the prime consultant for LADOTD to complete all project development activities for this Red River Bridge replacement project. Work efforts included feasibility study, line and grade, traffic studies, EA, preliminary and final bridge, roadway, and electrical plans, and construction support.
12/19-04/20	**LASAFE-AIRLINE AND MAIN COMPLETE STREETS: St.** *John the Baptist Parish, LA. GIS Analyst* - Mr. Perez imported CAD data into a GIS for use in wetland delineation. GPS units were prepared to collect field data on wetlands, catch basins, and drainage along Airline Hwy. The field data was processed and used to prepare permitting documents. He managed the GIS database containing the resource inventory throughout the project.

Firm employed by	**G.E.C., Inc.**
Name	**Carlos Perez** *Continued Resume*
02/17-Present	**THIRD PARTY ENVIRONMENTAL IMPACT STATEMENT (EIS) FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD), CPRA: Plaquemines, LA.** *Project Manager* -- Mr. Perez serves as GIS Analyst and Sharepoint Designer on the GEC Team leading development of a Third-Party EIS for the MBSD Project proposed by CPRA. The EIS is being prepared under the direction of USACE, New Orleans District, to aid in their decision-making regarding CPRA's permit application pursuant to Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act, and permissions under 33 U.S.C. Section 408. The Third-Party EIS will assess the potential adverse and beneficial impacts associated with the construction and operation of the project. In addition to informing USACE decisions, the EIS will be used to inform decisions that the DWH NRDA LA TIG may make regarding restoration planning under OPA. This highly publicized and controversial project includes seven cooperating agencies, 10 commenting agencies, and 11 consulting tribes for the EIS and has been placed on the Permitting Dashboard under the FAST-41 process.
2018-Present	**LADOTD AND SHPO GIS FOR CULTURAL RESOURCES: Statewide, LA.** *GIS Specialist* - As a GIS Specialist, Mr. Perez designed, installed, and developed a geodatabase and ArcIMS web interface for all cultural resources recorded by the SHPO of Louisiana. Paper forms retained by the Divisions of Archaeology and Historic Preservation were scanned and hyperlinked to the individual features with the geodatabase. Mr. Perez is currently contracted by the SHPO to update the services and viewer to an ArcGIS Server format on a virtual server, aid in license management, provide training and technical support, and to help develop a workflow for obtaining new GIS data from outside agencies during the Section 106 review process.
2021-Present	**GEO-SPATIAL OYSTER HABITAT SUITABILITY TO INFORM PLACEMENT OF PROGRAMMATIC OYSTER RESTORAQTION PROJECTS: Coastal LA.** *GIS Analyst* - The purpose of this ongoing project is to develop a science-based, data-driven, decision-making platform to inform the LDWF's efforts to rehabilitate Louisiana oyster resources, utilizing a multifaceted approach to enhance resilience of recovering oyster populations while avoiding areas not suitable for current and future oyster production. The project identifies suitable areas for various restoration technique(s) most likely to succeed at expanding oyster habitat and providing for their long-term sustainability. Mr. Perez developed an ArcGIS geospatial oyster Habitat Suitability Index (HSI) to integrate foreseeable environmental scenarios to determine suitable locations for oyster restoration efforts.
08/19-01/20	**ST. TAMMANY PARISH MASTER PLAN: St Tammany Parish, LA.** *GIS Analyst* - Mr. Perez created and continually updated a geodatabase of Repetitive Loss Data in St. Tammany Parish using ArcMap to edit planned, existing, and completed flood structures. Documents containing background information on each project were placed in a file structure and linked. Mr. Perez prepared the deliverable and provided analysis for use by the client.
2006-2014	**ENVIRONMENTAL ASSESSMENTS FOR MANAGEMENT ACTIONS IN NATIONAL FORESTS, USACE NEW ORLEANS DISTRICT AND VICKSBURG DISTRICT (ECOSYSTEM RESTORATION PROJECT): Mississippi and Louisiana.** *GIS Analyst* - In addition to map creation for management actions in the Tombigbee National Forest (Jones Creek and Mill Creek Analysis Units) and Kisatchie National Forest (All Ranger Districts), watershed analyses were also conducted. Delineation of watersheds was conducted within a GIS environment using digital elevation models (DEMs), which were also used to provide necessary slope information.

Firm employed by	**Gulf South Research Corporation**		
Name	**Christy Guempel**	Years of relevant experience with this employer	5
Title	GIS Analyst	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		B.S. / 2003 / Geography	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Role on this Project: **GIS Analyst**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Ms. Guempel has over 14 years of professional experience as a geographic information systems (GIS) analyst and 7 years of professional experience as a GIS supervisor/trainer. Ms. Guempel's environmental background includes working on projects involving coastal restoration, cultural resources, emergency response, environmental assessment, environmental remediation, litigation support, planning, permitting, wetland delineations, and wildlife habitat. Her responsibilities include geodatabase design and data entry, coordinate conversion, cartographic design, georeferencing, digitizing, spatial analysis, image interpretation, and supervised classification. Ms. Guempel is proficient in ESRI's suite of software version 10.6 and below. She has experience with light detection and ranging (LiDAR) analysis using Global Mapper software. She is also experienced with GPS equipment/software, such as ArcGIS Collector, Pathfinder Office, and Terrasync.*
07/21-12/22	**SENIOR GIS ANALYST. ENVIRONMENTAL SUPPORT FOR THE LAREDO SOFT SIDED FACILITY (SSF) IN LAREDO:** Webb County, Texas. GSRC was contracted to conduct a phase I cultural resources survey of approximately 31 acres in Laredo, Texas. Ms. Guempel georeferenced and digitized previous archeological investigations and surveys within one mile of the survey area. She also georeferenced a series of historical aerials showing the survey boundary. She processed all Trimble GPS data collected in the field. Ms. Guempel created the maps presented in the report.
10/20-02/22	**SENIOR GIS ANALYST. LOUISIANA PHASE I ARCHAEOLOGICAL INVESTIGATION OF 54 ACRES FOR THE LOUISIANA CORRECTIONAL INSTITUTE FOR WOMEN (LCIW) IN IBERVILLE PARISH:** St. Gabriel, Louisiana. GSRC was contracted to conduct a cultural resources survey of 54 acres of land for proposed construction of the Louisiana Correctional Institute for Women (LCIW) on behalf of Grace Hebert Curtis Architects and U.S. Department of Homeland Security Federal Emergency Management Agency (FEMA), Region VI. Ms. Guempel processed the shovel test pit GPS data. Following field notes and hand drawn plots, she digitized the shovel test pits for the delineation of the archaeological site found on the property. She georeferenced and digitized the previous archaeological survey and sites conducted within a one-mile buffer of the project area. She created the figures presented in the report.
04/19-01/21	**SENIOR GIS ANALYST. PHASE I CULTURAL RESOURCES SURVEY OF 4,017 ACRES FOR THE BIENVILLE NATIONAL FOREST SERVICE:** Smith, Newton, and Scott County, Mississippi. GSRC was contracted by the United States Department of Agriculture Forest Service to conduct an intensive Phase I cultural resources survey of approximately 4,017 acres in Smith, Newton, and Scott Counties, Mississippi within the Bienville National Forest Service. Ms. Guempel was responsible for GIS analysis, cartographic design, development of all maps for the report, and supervised the completion of the GIS geodatabase.
09/18-11/19	**SENIOR GIS ANALYST. PHASE I CULTURAL RESOURCES SURVEY FOR THE BIENVILLE NATIONAL FOREST SERVICE:** Scott County, Mississippi. GSRC was contracted by the United States Department of Agriculture Forest Service to conduct an intensive Phase I cultural resources survey of 4,980 acres among 81 units across 21 Compartments within the Bienville National Forest in support of the proposed Timber Sale Project in Scott County, Mississippi. Ms. Guempel provided GIS analysis of the field data, cartographic design, set-up the geodatabase schema, and created all maps presented in the report. She also supervised the completion of the GIS geodatabase deliverable.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Russ Bryan, ASLA**	Years of relevant experience with this employer	15
Title	Landscape Architect	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BLA / 2002 / Landscape Architecture	
Active registration number / state / expiration date		LA 518 / Mississippi / 12-31-2023	
Year registered	2007	Discipline	Landscape Architecture
Contract role(s) / brief description of responsibilities		Role on this Project: **Renderings**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Bryan joined Neel-Schaffer in 2007 and has 20 years of experience in planning, design, & construction projects for public & private clients. His experience includes creation of detailed planting plans, irrigation plans, site plans, & design of public facilities such as streetscapes, parks, & athletic complexes. He also has experience in the creation of plans for office parks, residential subdivisions, & detailed site analysis & assessment. These projects created spaces that are functional, attractive, compatible with the natural environment, & safe for all modes of transportation including bicycle, pedestrian, and vehicular. Mr. Bryan has also served in several community roles such as the Hattiesburg Downtown Association, Keep Hattiesburg Beautiful, and the Piney Woods Conservation Group. These organizations provide advocation for downtown redevelopment and outdoor recreation and conservation.*
2016 – 2017	**UNIVERSITY OF SOUTHERN MISSISSIPPI PARKING LOTS, HATTIESBURG AND LONG BEACH, MS:** Landscape Architect/3D Modeling. Provided conceptual design, 3D Plan Views, construction plans, specifications, and construction engineering for six parking lots for the USM. Five of the parking lots are located on the main campus in Hattiesburg, and one is located on the Gulf Park campus in Long Beach. Special design considerations were made for each parking lot to include site specific grading, drainage (including detention), accessible routes, fencing, lighting, landscape, irrigation, security cameras and emergency phones. To ensure successful projects, Mr. Bryan led numerous coordination meetings with university officials.
2021 - Present	**INTERCHANGE LANDSCAPE IMPROVEMENTS, AUBURN, AL:** Providing landscape design services for a variety of landscape improvements to Exits 50 and 57 off Interstate 85 in Auburn for the Alabama Department of Transportation.
2014 – 2015	**OLD TRACE PARK URBAN STORMWATER DEMONSTRATION PROJECT FOR WATER QUALITY IMPROVEMENTS, RIDGELAND, MS:** Landscape Architect/3D Modeling. Created plans and specs to retrofit storm water quality improvements to the parking lot at Old Trace Park. Best management practices included recessed parking lot islands and rain gardens to capture and treat storm water prior to entering Ross Barnett Reservoir.
2009 – 2010	**HENDERSON POINT PARK LANDSCAPING SERVICES, HARRISON COUNTY, MS:** Neel-Schaffer provided engineering and landscaping design services for this park that was created after Hurricane Katrina caused extensive damage to the Mississippi Gulf Coast, including the Henderson Point community. The park provides a gateway to individuals who use the Bay St. Louis bridge's pedestrian pathway for recreation. Neel-Schaffer led coordination on the $1.9 million project with officials from the Mississippi Department of Transportation and Harrison County. Landscape improvements included areas of Bermuda turf, ornamental shrubs, grasses and groundcover and large shade trees. Russ's design included several large areas for wildflower plantings that add color while keeping maintenance minimal.
2013 – 2014	**UNIVERSITY OF SOUTHERN MISSISSIPPI 31ST AVENUE PEDESTRIAN CORRIDOR, HATTIESBURG, MS:** Landscape Architect/Modeling. Provided design for a pedestrian corridor along 31st Avenue between Montague Blvd and Pearl St that accommodates walking, jogging, cycling and general gathering areas. This project helps provide safe access onto and throughout the campus and will include brick paving, decorative lighting, benches, bike racks, trash receptacles and emergency call stations. The project will be ADA compliant and will feature landscaping and irrigation along the corridor.
2021 – 2022	**MISSISSIPPI GULF COAST COMMUNITY COLLEGE SOCCER FIELD RENOVATION, PERKINSTON, MS:** Landscape Architect. Provided plans, specifications, bid documents and construction administration to renovate the existing natural grass soccer field to an artificial turf soccer field at MGCCC in Perkinston, MS. Special design attention was given to tying new grades back to existing fence, adding a maintenance strip to the fence, and replacing the netting behind each goal. The field will include new logo and lettering locations to provide an attractive sports venue. Construction is underway and expected to be complete in April 2022.

Firm employed by	**Neel-Schaffer, Inc.**		
Name	**Paige Thornton**	Years of relevant experience with this employer	2
Title	Landscape Architect Intern	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BLA / 2020 / Landscape Architecture	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Role on this Project: **Renderings**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Ms. Thornton joined Neel-Schaffer in 2020 and has one year of experience in landscape architecture, including site planning, urban development, landscape and irrigation plans, master planning and streetscape improvements. Paige's experience includes 3D modeling, local code and ordinances, writing grant application packets, and other related work.*
12/20 – 05/21	**MISSISSIPPI GULF COAST COMMUNITY COLLEGE LANDSCAPE AND IRRIGATION IMPROVEMENTS, LONG BEACH, MS:** Landscape Architect Intern. Created landscape and irrigation plans.
11/20 – 02/21	**22ND AVENUE/SELA WARD IMPROVEMENTS, MERIDIAN, MS:** Landscape Architect Intern. Used Sketch-Up to create 3D modeling plans for this $3.8 million road diet project that will make major improvements to Sela Ward Parkway, the gateway corridor from Interstate 20 into downtown Meridian. Known as 22nd Avenue, the 3,200-foot stretch of roadway was renamed Sela Ward Parkway in honor of the actress who is from Meridian. The project will reduce the parkway from five to four lanes. Improvements will include wider sidewalks, decorative lighting and banners and all new traffic signals. The improvements are part of a downtown revitalization project aimed at attracting more visitors to amenities such as the Mississippi Children's Museum and The MAX – the Mississippi Arts + Entertainment Experience.
12/20 – 03/21	**RAWLS SPRINGS RECREATION AREA MASTER PLAN, HATTIESBURG, MS:** Landscape Architect Intern. Created illustrative master plan.
10/20 – 11/20	**DOWNTOWN PARKLETS 3D MODEL, HATTIESBURG, MS:** Landscape Architect Intern. Used Sketch-Up to create 3D models for proposed Parklets in downtown Hattiesburg. Parklets are public seating platforms that convert curbside parking spaces into community spaces. Most parklets have a distinctive design that incorporates seating and greenery – accommodating unmet demand for public spaces in thriving retail or commercial districts
08/20 – 11/20	**GULF REGIONAL PLANNING COMMISSION PHOTO SIMULATIONS, BILOXI, MS:** Landscape Architect Intern. Used Photoshop to create photo simulations.
08/20 – 10/20	**AMAZON WAREHOUSE SORT FACILITY LANDSCAPING, CANTON, MS:** Landscape Architect Intern. Created landscape for this 2.7-million square foot facility that is scheduled to open near Canton in January 2022. The 70-acre site will be the first anchor building for an 850-acre mega-site industrial park near Interstate 55 being developed by the Madison County Economic Development Authority. Neel-Schaffer provided complete civil site design and permitting services on an expedited schedule and then provided construction management services.
06/20 – 08/20	**COMMUNITY AND SENIOR CENTER PLANTING PLAN, COLUMBUS, MS:** Landscape Architect Intern. Created landscape plan.
01/21 – 07/21	**TATUM PARK OVERALL MASTER PLAN, HATTIESBURG, MS:** Landscape Architect Intern. Created illustrative master plan.
10/20 – 05/21	**SPORTSPLEX MASTER PLAN, LAUREL, MS:** Landscape Architect Intern. Created illustrative master plan.
10/20 – 02/21	**MSU-CAVS LANDSCAPE AND IRRIGATION PLAN, STARKVILLE, MS:** Landscape Architect Intern. Created landscape and irrigation plans for this facility at Mississippi State University.

Section 17

	INDEX OF INCLUDED PROJECTS BY CONTRACT RELEVANCE	NEPA	Line & Grade/ Road Design	Public Outreach	Wetlands/ T&E/ BA/ Permits	Phase I ESA	Traffic/ Safety Study	Air/Noise	Cultural Resources	CSRP
GEC	US 190/Collins Blvd. Widening EA	x	x	x	x	x	x			
	US 11 Widening EA	x	x	x	x	x	x			
	US 71/165 Fort Buhlow EA	x	x	x	x	x				
	The TIMED Program	x	x	x	x	x	x		x	
	Bluebonnet Blvd. (Perkins to Picardy)		x	x						
Neel-Schaffer	Mandeville Bypass EA	x	x	x			x			
	South City Parkway EA	x	x	x	x		x			
	LA 447 Traffic Study and Line & Grade		x				x			
Arcadis	US 11 EA	x	x	x	x	x	x	x		
	Pete's Highway Interchange EA	x	x	x	x	x	x	x		
	I-49 Richoc to Berwick SEIS	x	x	x	x	x	x	x		
GSRC	England Airpark								x	
	Phase I Fort Polk								x	
Lakvold	US 80 Widening: Vancil Road to Well Road EA	x								x
	Belle Chasse Bridge & Tunnel	x		x						x
	Interstate 10/Loyola Interchange EA	x								x

Colors indicate the assigned scope items for Mills Street
"x" indicates if the scope item was performed as a part of the project shown on the project sheets

GEC

17. Firm Experience

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Environmental, Road, Bridge, Planning**
Project Name	**US 190 / Collins Boulevard Widening (LA 25 to US 190B) Environmental Assessment**	Firm responsibility (prime or sub?)	Prime
Project Number	H.004987	Owner's Name	New Orleans Regional Planning Commission
Project Location	Covington, Louisiana	Owner's Project Manager	Jeff Roesel
Owner's address, phone, email	10 Veterans Blvd., New Orleans, LA, (504) 483-8528, jroesel@norpc.org		
Services commenced by this firm (mm/yy)	01/14	Total consultant contract cost ($1,000's)	$ 426
Services completed by this firm (mm/yy)	05/17	Cost of consultant services provided by this firm ($1,000's)	$ 426

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

GEC provided professional consulting services for an **Environmental Assessment (EA) with a Finding of No Significant Impact (FONSI), and Line and Grade Study** for the widening of US 190 in Covington in accordance with LADOTD, FHWA and NEPA standards. The project corridor spans approximately 2.7 miles and consisted of two travel lanes and a center turn lane from south of LA 25 to north of the two-lane US 190 bridge over the Bogue Falaya River in the south. The project corridor included 20 intersections, 9 signalized and 11 unsignalized, and did not provide areas designated along the roadway for bicyclists and pedestrians. The purpose and need of the project was to widen the corridor to improve capacity and reduce congestion and delays.

GEC provided an EA with FONSI and line and grade study to widen US 190 in Covington, a 2.7 mile corridor, in accordance with LADOTD, FHWA, and NEPA standards. Services included public outreach, traffic engineering, road and bridge design, and design of 10 roundabouts.

EVALUATION NARRATIVES FROM THE LADOTD PROJECT MANAGER:

"NEPA document quality was very good and approved by FHWA without substantive comments or additions. Jeff Robinson and his group at GEC worked through numerous project changes and timeline starts and stops with a "can-do" attitude. GEC handled and coordinated issues that arose, including changes in right-of-way requirements and additional landowner outreach. Excellent coordination with DOTD Environmental."

"Barry McCoy of GEC has exceptional knowledge of procedures for field surveys and needs little to no guidance from DOTD. Submittals required no major edits prior to submittal to regulatory agencies."

GEC provided development of a Purpose and Need statement, agency coordination, Solicitation of Views, and prepared environmental documentation. The report addressed wetlands mitigation and permitting, land use and community charrette, economic activities, historic, cultural social and recreational resources, Sections 4(f) and 6(f), noise and air impacts, floodplains, demographics and environmental justice, relocations of homes and businesses, contaminated sites and required permits, and endangered or threatened species and their habitat. GEC staff obtained, organized, and reviewed engineering data including topographic, parish and state highway maps as well as aerial photography; reviewed existing traffic data, accident data, highway plans and other structural data, hydrologic and hydraulic data, utility information, previous studies and reports, existing survey data. GEC performed traffic impact analysis, collection of daily traffic counts, peak period traffic volumes, turning movements and vehicle data counts, crash data review, conceptual design; performed wetland delineations and permitting; preliminary quantities and cost estimates; preparation of final report and recommendations our staff developed, evaluated and analyzed two alternative alignments, and established roadway; geometry and bridge design criteria; bridge structure sections; intersection/interchange layouts. GEC facilitated all public outreach activities including public meetings, public hearing, and stakeholder and agency outreach. **The EA was approved and LADOTD and FHWA issued a FONSI.**

The alternatives evaluated proposed to widen the roadway to include four 12-ft. travel lanes separated by a 26-ft.-wide median. A 7-ft. wide paved shoulder and a curb and gutter located along both sides of the roadway. The US 190 bridge over the Bogue Falaya River was proposed to be widened to four travel lanes, with a section of the roadway between the bridge and LA 437 to include five 12-ft. travel lanes to extend a right turn lane onto LA 437. **Ten roundabouts replaced signalized intersections to facilitate traffic flow and improve safety.** A multi-use pedestrian/bicycle path was proposed along the project corridor from LA 25 to the existing Tammany Trace where it crosses the Bogue Falaya River.

Firm Members Involved: Jeffrey Robinson, Laura Carnes, Barry McCoy, Carlos Perez, Jerome Lohmann, Jason Avant, Nicole Forsyth

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Environmental, Planning, Road**
Project Name	**US Hwy 11 Widening (Lake Pontchartrain – Spartan Drive) Environmental Assessment**	Firm responsibility (prime or sub?)	Prime
Project Number	H.004983	Owner's Name	New Orleans Regional Planning Commission
Project Location	Slidell, Louisiana	Owner's Project Manager	Jeff Roesel
Owner's address, phone, email	10 Veterans Blvd., New Orleans, LA, (504) 483-8528, jroesel@norpc.org		
Services commenced by this firm (mm/yy)	01/14	Total consultant contract cost ($1,000's)	$ 321
Services completed by this firm (mm/yy)	05/16	Cost of consultant services provided by this firm ($1,000's)	$ 321

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

As the prime consultant, GEC prepared an **Environmental Assessment (EA), Line and Grade Study, Environmental Checklist, Summary of Mitigation and Permitting, Finding of No Significant Impact (FONSI), engineering plans, and related documents** for the widening of US 11 from Lake Pontchartrain to Spartan Drive in Slidell, a distance of approximately 2.8 miles. EA documents prepared were in accordance with LADOTD, FHWA, and NEPA standards and include line and grade plans comprising geometric design, preliminary horizontal and vertical alignment, typical sections and drainage plans. Through the studies, it was determined US 11 experienced considerable congestion, poor operational conditions, and did not provide areas designated for bicyclists or pedestrian access. **The purpose of the project was to increase capacity and decrease congestion along the designated corridor.**

The project included the addition of lanes within limited right-of-way to improve traffic flow and provide access management improvements. GEC's design maintained access to residential driveways and recommended a multi-use path for bicycles and pedestrians.

Two variations of pedestrian/bicycle facilities were considered in the Build Alternatives, and neither would require the acquisition of additional ROW. The preferred alternative proposed continuous bicycle lanes and pedestrian facilities on the outside of the shoulders in the north- and southbound shoulders. It was preferred because it was continuous in both directions throughout the length of the project, provides a uniform grade for bicyclists, offers the potential for future connectivity, provides a safe area for pedestrians to walk the entire length of the project, and because it presents less potential for conflict points with traffic entering/exiting the large number of driveways on the east side of the roadway (97 in total).

GEC performed corridor surveys, collected accident data, traffic counts and signalized intersection inventories, and performed signal timing/optimization studies. GEC performed an alternatives analysis and a Line and Grade Study and developed four alternatives, which was narrowed down to two alternatives for further consideration in the EA report, including two 12-ft. travel lanes, 10-ft. paved shoulders, curbs and gutters, and bicycle facilities. The proposed travel lanes were separated by a combination of raised medians with U-turns and **new access management features** implemented at intersections to facilitate traffic flow. GEC's design included two roundabouts at Carr Drive and Eden Isles Drive. The project also incorporated construction plan development to raise U.S. Hwy. 11 approximately 10-ft. at its intersection with a flood protection levee.

GEC performed all environmental surveys, environmental inventory, performed a Phase I Environmental Site Assessment, conducted a wetlands delineation and threatened and endangered species survey and report, produced a wetlands findings report, developed mitigation measures, and prepared all permit drawings and applications. The Big Branch Marsh National Wildlife Refuge was located within 0.25-miles of the project and was considered a Section 4(f) Resource. GEC maintained communication with SHPO and LDWF throughout the project and was able to avoid any impacts to the Section 4(f) property. The final report addressed wetlands mitigation and permitting, land use and community character, economic activities, historic, cultural, and recreational resources, Sections 4(f) and 6(f), noise and air impacts, floodplains, farmland, demographics and environmental justice, relocations of homes and businesses, contaminated sites and required permits, and endangered or threatened species and their habitat. GEC coordinated all stakeholder and public outreach activities, including developing the purpose and need statement, performing agency coordination, developing Solicitation of Views, and hosting two public meetings and a public hearing.

Firm Members Involved: Jeffrey Robinson, Laura Carnes, Carlos Perez, Barry McCoy, Jerome Lohmann, Jason Avant, Nicole Forsyth

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Environmental, Road, Bridge, Planning, Traffic, Other**
Project Name	**US 71/165 Fort Buhlow Bridge and Approaches Environmental Assessment**	Firm responsibility (prime or sub?)	Prime
Project Number	700-28-0004	Owner's Name	LADOTD
Project Location	Alexandria/Pineville, Louisiana	Owner's Project Manager	Joechim Umeozulu, PE
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70804, (225) 379-1386, umeozulu@la.gov		
Services commenced by this firm (mm/yy)	09/95	Total consultant contract cost ($1,000's)	$ 9,400
Services completed by this firm (mm/yy)	06/13	Cost of consultant services provided by this firm ($1,000's)	$ 9,000

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

GEC served as the prime consultant for LADOTD to complete all project development activities for this Red River Bridge replacement project. Work efforts included **feasibility study, line and grade, traffic studies, environmental assessment (EA), preliminary and final bridge, roadway, and electrical plans, and construction support.**

GEC performed bridge feasibility, line and grade study, traffic study, and an environmental assessment complete with a FONSI (Finding of No Significant Impact) for this $80 million project. Preliminary and final bridge and roadway plans were prepared and followed with construction engineering support during the construction phase.

GEC developed a traffic study and the Line and Grade Report, which involved the analysis of conceptual plans and sections for a new bridge spanning the Red River as well as general bridge plans for an overpass over the KCS Railroad. Alternate designs utilizing precast, pre-stressed concrete girder spans, steel girder spans, and segmental concrete box girder spans were developed. As a result of the traffic study, which showed a disparate traffic accident history at one location, GEC relocated a local roadway and intersection (Rainbow Drive). Based on the bridge study and in conjunction with LADOTD, a bridge configuration for final design was chosen.

GEC coordinated with all agencies and stakeholders, prepared solicitation of views, purpose and need, performed all environmental surveys, developed the environmental inventory, conducted public and stakeholder meetings, conducted a wetlands delineation, produced a wetlands findings report, developed mitigation measures, and prepared all permit drawings and applications including for USACE, The Red River Waterway Commission, USCG, and railroads. GEC also was responsible for scenic rivers class B application, floral and faunal communities, threatened and endangered species surveys, Phase 1 ESA and coordination, archaeological and historical resources including 4(f) properties, and all other environmental resources. GEC conducted a public meeting and public hearing, published the Final EA Report, and received a FONSI.

The final bridge design consists of twin bridges, approximately 3,005-ft. long, crossing the Red River in the northbound and southbound directions of US 71/165. The final design uses a combination of Type BT pre-stressed girder spans, simple steel plate girder spans, and three-span continuous steel plate girder units spanning the Red River. The simple span steel girder bridge is 225-ft. long, has a girder web depth of 8-ft., and crosses an existing levee. The actual Red River Crossing is accomplished with the three continuous steel spans. In plan, girders transitioned from a parallel straight girder configuration to a curved splayed configuration. Specially designed rocker bearings help accommodate bridge movements. The main river supports consist of column bent caps founded on single massive continuous piers supported by an array of 188, 24" diameter steel pipe piles. In addition to preparing detailed construction documents for the Red River Bridge replacement project, GEC also provided construction support for the project. Construction of the Red River Bridge project at Fort Buhlow was completed successfully in 2013.

Firm Members Involved: Jeffrey Robinson, Barry McCoy, Carlos Perez, Shelton Perry

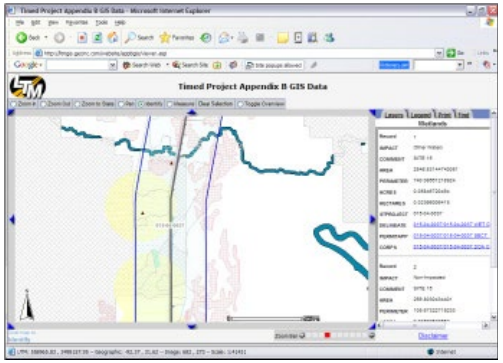
Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Environmental, Road, Planning**
Project Name	**The Transportation Infrastructure Model for Economic Development (TIMED) Program**	Firm responsibility (prime or sub?)	Prime
Project Number	700-99-0266	Owner's Name	LADOTD
Project Location	Statewide, Louisiana	Owner's Project Manager	Toby Picard
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70804, (225) 379-1032		
Services commenced by this firm (mm/yy)	01/03	Total consultant contract cost ($1,000's)	$ 169
Services completed by this firm (mm/yy)	07/07	Cost of consultant services provided by this firm ($1,000's)	$ 169

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

GEC's Environmental and Engineering Department provided environmental planning, NEPA, engineering design, permitting and compliance services, construction services, and public outreach pursuant to the construction of 84.2 miles and 3,400 acres of new highway construction comprising 13 projects. The program required National Environmental Policy Act (NEPA) evaluations and processing necessary to procure Federal and other environmental permits required for construction, GEC conducted wetland delineations for more than 110 acres of wetlands and Other Waters sites, and threatened and endangered (T/E) species surveys for three species. GEC conducted all necessary coordination with the U.S. Coast Guard, 8th District, to obtain authorizations in accordance with the Coast Guard Act of 1982 for the construction of 25 new bridges. GEC also conducted all coordination with the Louisiana Department of Wildlife and Fisheries necessary to obtain three Scenic River Use Permits.

The acceleration of the TIMED Program was extremely successful and the program was completed in 2013. This was seventeen years ahead of the original scheduled completion of 2030.



The work included stormwater planning, design, permitting, inspection, recordkeeping, and reporting, including the development of SWPPPs and BMPs, in accordance with Section 402 of the Clean Water Act, as amended, LDEQ's General Permit for Discharges of Storm Water From Construction Activities of Five Acres or More (Master General Permit LAR100000), and LDEQ's General Permit for Small (greater than one acre but less than five acres) Construction Activities (Master General Permit LAR200000).

To facilitate U.S. Army Corps of Engineers and Louisiana Department of Environmental Quality Clean Water Act Section 401/404 permitting, GEC combined project segments, where feasible, and initiated cost-effective compensatory mitigation processes with LDWF. For one particular corridor, GEC reduced the required number of permits from 13 to five and, as a result, obtained the required wetlands and water quality permits within five months of application. GEC also obtained 13 CWA Section 402 General Storm Water Permits from LDEQ for construction of the corridor. All environmental data were collected using global positioning system (GPS) equipment, and field data were stored, managed, merged with highway plan and profile computer aided design and drafting (CADD) files, and analyzed using GIS to facilitate reporting and regulatory coordination. Using this methodology GEC was able to expedite regulatory review and permitting, and all permits necessary for project construction were obtained at an accelerated rate and well in advance of construction letting. GEC GIS data included, in part, aerial photography, USGS topographic maps, NWI maps, soil surveys, wetlands, Other Waters and T/E field survey data, highway plan and profile designs, NRCS WRP and CRP properties, state and federally owned stewardship areas, LDWF natural heritage data, and scenic streams. The program required National Environmental Policy Act (NEPA) evaluations and processing necessary to procure Federal and other environmental permits required for construction and included the following program areas:

- Wetland delineations, permit applications and mitigation with three U.S. Army Corps of Engineers districts;
- ASTM Standard E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process to identify more than 220 REC sites; ASTM E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process work plan development and execution for 190 REC sites; LDEQ RECAP, October 20, 2003, and Underground Storage Tank Closure / Change in Service Guidance Document, April 1, 2002, evaluations of more than 100 sites;
- Cultural resources investigations, assessment and impact mitigation in consultation with the SHPO;
- Bridge site location selection, planning and permitting with the USCG in accordance with the General Bridge Act of 1946, the Rivers and Harbors Act of 1899, as amended;
- Scenic stream design and permitting with the LDWF in accordance with the Louisiana Natural and Scenic Rivers Act;
- Biological surveys, planning & design coordination with the USFWS & LDWF to avoid and/or mitigate impacts to threatened and endangered species and sensitive habitats

Firm Members Involved: Jeffrey Robinson, Richard Barry McCoy, Jerome Lohmann, Jason Avant, Will Grant, Carlos Perez

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Road, Bridge**
Project Name	**Bluebonnet Blvd. (Perkins Road to Picardy Avenue)**	Firm responsibility (prime or sub?)	Prime
Project Number	N/A	Owner's Name	City-Parish of East Baton Rouge
Project Location	Baton Rouge, Louisiana	Owner's Project Manager	Tom Stephens, PE
Owner's address, phone, email	PO Box 1471, Baton Rouge, LA 70821, (225) 389-3186, tstephens@brla.gov		
Services commenced by this firm (mm/yy)	09/20	Total consultant contract cost ($1,000's)	$ 2,505
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$ 1,313

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

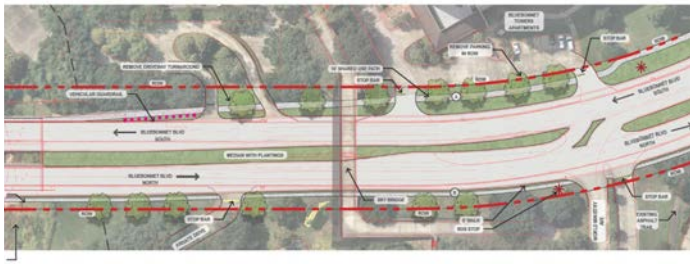
GEC completed a line and grade study (design study) and is currently 95% complete with the final design for the widening of Bluebonnet Blvd. and bridge replacements over Dawson Creek. Bluebonnet Blvd., between Perkins Road and Picardy Avenue, is currently a four-lane roadway and is proposed to be widened to a six-lane boulevard, curb and gutter roadway, with pedestrian facilities and subsurface drainage.

For the line and grade study, GEC researched and provided recommendations for specific improvements to this roadway corridor. The study included preliminary horizontal/vertical alignments, intersection geometry, design criteria, drainage design, bridge design, right-of-way, complete streets, green infrastructure, and cost estimates based on LIDAR, aerial, apparent right-of-way, and preliminary traffic study information. The study submittal included a report detailing major components such as: background, project investigation/exploration, existing conditions, traffic design study, preliminary roadway design (design criteria, typical sections, horizontal /vertical alignments, constructability, railroad considerations, utilities, and ROW), preliminary drainage analysis, bridge design study, pedestrian and green infrastructure, and preliminary cost estimates. The study also included exhibits and appendices detailing the preliminary project study limits, typical sections, plan and profile sheets, geometric layout, geometric details, bridge plans, and drainage design, for each of the proposed build alternatives. Other reports included in this submittal included the project design report, hydraulics report, and pedestrian and green infrastructure schematic design.

GEC is currently 95% complete in the final design phase of a six-lane boulevard, curb and gutter roadway with subsurface drainage, green infrastructure, bridge replacements, and pedestrian facilities. The design includes a 10-ft. wide shared-use path on the west side and a 5-ft. wide sidewalk on the east side. GEC's design is in accordance with LADOTD and MOVEBR Design Guidelines. The alignment of the widened roadway will generally follow the existing alignment with sections shifted and/or widened to avoid conflict with bridge support columns and to consider traffic volumes. This project included a level 2 Transportation Management Plan (TMP) and hydraulic analysis and bridge evaluation for the Dawson Creek Bridge replacement and corridor. GEC is participating in public, stakeholder, and agency meetings, including bi-weekly status meetings.

Firm Members Involved: Jerome Lohmann, Chris Nipper, Brandon Abbott, Logan Michel

The project threaded an additional lane of through traffic in both directions in a corridor filled with utilities, a railroad overpass, and 2 pedestrian overpasses. The widening changes sides of the existing roadway many times.



Firm Name	**Neel-Schaffer, Inc.**	Past Performance Evaluation Discipline(s)*	**Road, Traffic**
Project Name	**Mandeville Bypass Traffic Study, Line & Grade, Environmental Assessment, and Design**	Firm responsibility (prime or sub?)	Prime
Project Number	N/A	Owner's Name	St. Tammany Parish
Project Location	Mandeville, LA	Owner's Project Manager	Laura B. Gatlin, PMP
Owner's address, phone, email	620 N Tyler Street, Covington, LA 70434, Phone: 985.898.2552, Email: lcbeach@stpgov.org		
Services commenced by this firm (mm/yy)	07/15	Total consultant contract cost ($1,000's)	$2,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$450

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

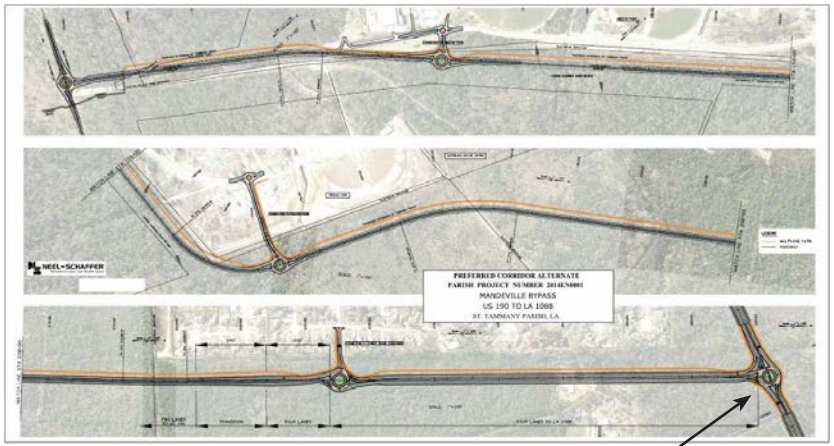
The Mandeville Bypass will provide a new 3-mile median section roadway with integral bike bath connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will also provide multiple entrances to Pelican Park, a major recreation facility serving west St. Tammany Parish.

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

Challenge: Pipeline conflicts

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

Firm Members Involved: Dishili Young, Mai Nguyen, Chance Shuckrow, Scott Andrepont, Vijay Kunada



Project Relevance - Designed using the DOTD guidelines and software; includes similar design SOW (roundabouts, roadway widening, roadway realignment and reconstruction); project requires LADOTD review and approval

LA 1088 at Mandeville Bypass

Firm Name	**Neel-Schaffer, Inc.**			Past Performance Evaluation Discipline(s)*	**Road, Bridge**
Project Name	**South City Parkway Traffic Study, Line & Grade, and Environmental Assessment**			Firm responsibility (prime or sub?)	Prime
Project Number	500-15-082/PO 156297		Owner's Name	Lafayette Consolidated Government	
Project Location	Lafayette, LA			Owner's Project Manager	Mitchell P. Wyble, PE
Owner's address, phone, email	P.O. Box 4017 – C, Lafayette, LA 70502; (337) 291-8542 mhollier@lafayetteLA.gov				
Services commenced by this firm (mm/yy)	11/15		Total consultant contract cost ($1,000's)		$750
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)		$750

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

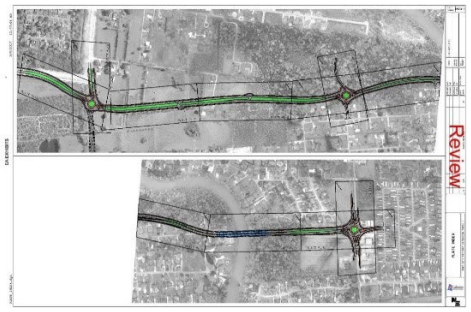
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

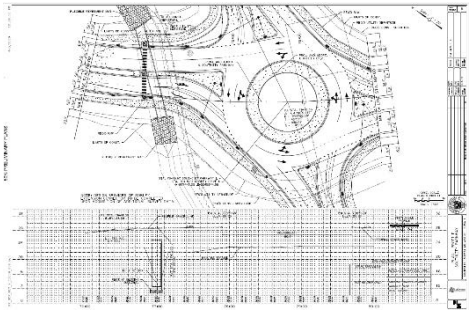
South City Parkway will provide a new 1.8-mile, four-lane median divided roadway connecting US 167 (Johnston Street) with Kaliste Saloom Road, including three multi-lane roundabouts and a new fixed span bridge crossing of the Vermillion River. Neel-Schaffer is providing design services which include roadway, bridge, and drainage design. The roadway design is in conformance with the LADOTD guidelines with the use of MicroStation and InRoads.

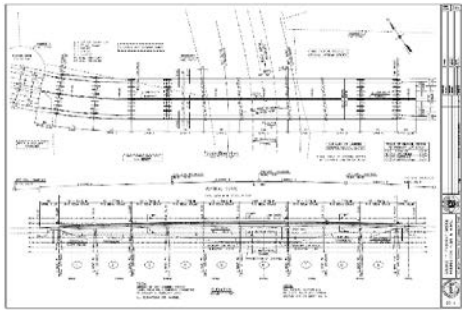
Neel-Schaffer completed the roadway and bridge design, established US Coast Guard navigation clearances; completed an H&H analysis for the new proposed Vermilion River bridge crossing, obtained the no rise certification, and completed an H&H analysis for each drainage crossing and the roadway drainage system. The road design was completed using InRoads and MicroStation. The Vermilion River bridge crossing was analyzed using a one-dimensional unsteady flow model which was developed in HEC-RAS software. The roadway drainage for the 2-mile roadway corridor was analyzed with the use of LADOTD software. Peak flows were determined with the use of the rational method, with considerations for future development. The results were summarized in the form of a technical report.

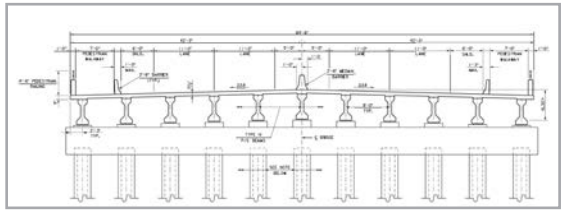
In addition to providing the design services, Neel-Schaffer is also providing the environmental planning (Environmental Assessment, USCG permit, navigation studies), completed the public involvement, developed traffic forecasts, provided traffic analysis, and will provide construction services.

Firm Members Involved: Vijay Kunada, Dishili Young, Mai Nguyen, Chance Shuckrow & Scott Andrepont









Project Relevance - Designed using the DOTD guidelines and software; includes similar design SOW (bridge design, roundabouts, roadway widening, roadway realignment and reconstruction)

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

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

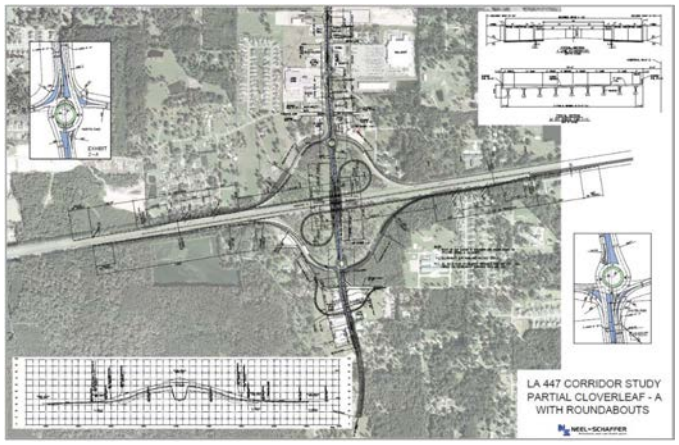
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

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

Project Relevance - Designed for this project (H.005734) using the DOTD guidelines and software; provided base geometry for this project; completed for DOTD by the team members included in this submittal

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

Firm Members Involved: Nick Ferlito, Mai Nguyen, Chance Shuckrow, Scott Andrepont



Firm Name	**Arcadis**	Past Performance Evaluation Discipline(s)*	**Planning, Environmental, Traffic, Road, Bridge**
Project Name	**US 11 Environmental Assessment**	Firm responsibility (prime or sub?)	Prime
Project Number	H.000688.2	Owner's Name	Louisiana Department of Transportation and Development (LADOTD)
Project Location	St. Tammany Parish, LA	Owner's Project Manager	Nicholas Olivier, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1133, nicholas.olivier@la.gov		
Services commenced by this firm (mm/yy)	04/13	Total consultant contract cost ($1,000's)	$768
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$716

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

LADOTD contracted Arcadis and its sub-consultants to prepare an Environmental Assessment for the replacement of an historic railroad overpass and the upgrade of the existing undivided highway to a four-lane superstreet in Slidell, LA. The project goal was to promote mobility and safety along the corridor.

RELEVANT SERVICES

- Data Collection
- Traffic and Safety Analysis
- Alternative Screening
- Preliminary Roadway and Bridge Design
- Line and Grade
- Environmental Assessment
- Construction Cost Estimates
- Public Involvement
- Agency Coordination/Stakeholder Outreach

Planning and Environmental: Arcadis completed technical studies to support the Environmental Assessment including wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation, floodplain management, and secondary and cumulative effects analysis. Additional studies and coordination completed for the project include a Phase I Cultural Resource Survey and Reporting and Public Involvement involving public information meetings and a public hearing for the Environmental Assessment. The results of technical studies and public involvement were summarized in the Environmental Assessment to support a Finding of No Significant Impacts (FONSI).

Traffic and Safety Improvements: Five existing intersections were reconfigured as either Restricted Crossing U-turn (RCUT) intersections or as median U-turn (MUT) intersections to eliminate side street left turns. The corridor was designed for WB-67 vehicles requiring that several loons and truck aprons be provided at U-turns. Vertical geometrics were designed for the main corridor as well as all side streets and a 3D design model was developed to verify that construction limits were accurate, and that low ground clearance at railroad crossings was avoided.

Preliminary Roadway and Bridge Design: Arcadis performed all engineering services including roadway and bridge line and grade and geometric design, railroad track, ballast, and maintenance road design to evaluate clearance requirements with future planned rail additions, 3D design modeling of existing terrain, railroad full-build condition, and bridge and roadway typical sections and geometric layouts for improvements. Design drawings were used to accurately determine earthwork, construction limits, required right-of-way, and construction cost estimates.

Context Sensitive Design: The design includes ADA compliant curb ramps and crosswalks to incorporate the existing sidewalks and accommodate pedestrian traffic. Sufficient space was included within the roadway border for the future installation, by the City of Slidell, of a multi-use path to accommodate bicyclists. Finally, access to existing businesses was carefully balanced within the requirements of the LADOTD Access Management Policy.

Firm Members Involved: Akhil Chauhan, Thomas Montz, Ari Deitch, David Fulks

Firm Name	**Arcadis**	Past Performance Evaluation Discipline(s)*	**Planning, Traffic, Env, Road**
Project Name	**Pete's Highway Interchange Alternatives and Environmental Assessment**	Firm responsibility (prime or sub?)	Prime
Project Number	H.002397.2	Owner's Name	Louisiana Department of Transportation and Development (LADOTD)
Project Location	Livingston Parish, LA	Owner's Project Manager	Catherine Mastin
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1652, catherine.mastin@la.gov		
Services commenced by this firm (mm/yy)	01/14	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)	$1,380

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

High-priority funding allowed LADOTD to employ Arcadis to complete an NEPA Environmental Assessment, Traffic Engineering, and Geometric Design Layouts, including the establishment of apparent and required right-of-way, to improve congestion and operations.

Alternatives Evaluation & Development: Preliminary alternatives retained from the Stage 0 feasibility study were refined and evaluated for constructability, temporary construction effects, construction costs, and permanent direct and indirect effects. Alternatives included two split diamond interchange options with roundabout, partial clover leafs, collector-distributor roads at Range Avenue and Pete's Highway (LA 16), and a diverging diamond interchange (DDI) at Range Avenue. Arcadis developed geometric design drawings for the DDI alternative including line and grade in accordance with LADOTD roadway and minimum design guidelines. Alternatives incorporated context sensitive solutions and complete streets policy through coordination with the LADOTD, parish, and planning organizations to include sidewalks and high visibility crosswalks.

RELEVANT SERVICES

- Environmental Assessment
- Traffic Study/IMR
- Alternative Development/Screening
- Geometric Design Drawings
- Line and Grade
- Construction Cost Estimate
- Air and Noise Analysis
- Context Sensitive Solutions
- Public involvement/Stakeholder Outreach

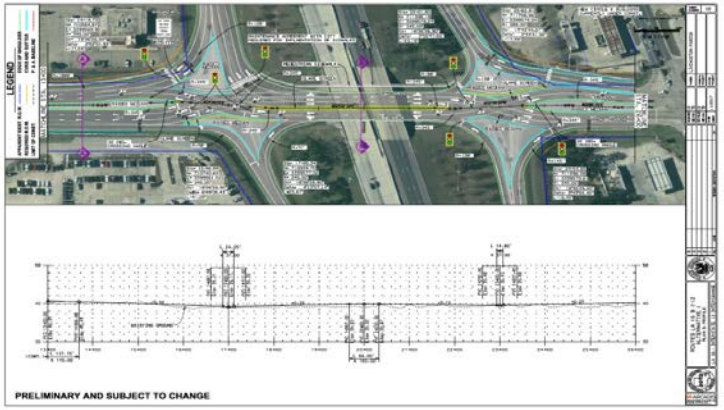


Figure: Diverging Diamond Interchange Alternative - Plan and Profile

Traffic Study & IMR: A traffic study was conducted to evaluate proposed alternatives. The traffic study scope included data collection/analysis, VISSIM model development and calibration, existing and future year scenario analysis, roundabout analysis, future volume projections, alternative analysis, proposed signing and striping layouts, and FHWA policy point/IMR documentation.

Planning & Environmental: Arcadis completed technical studies to support the Environmental Assessment including wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation, floodplain management, and secondary and cumulative effects analysis. Because of the complexity of the alternatives and high public profile of the project, Arcadis designed and coordinated a project website to facilitate ongoing dialogue with the community and provide information to the public. Arcadis conducted public and stakeholder meetings to obtain input and satisfy federal requirements. Visual simulations of the complex traffic operations were used during the meetings along with displays of the alternatives and anticipated travel pattern changes.

Firm Members Involved: Akhil Chauhan, Thomas Montz, Ari Deitch, Justin Maderia, David Fulks, Jason Morrell

Firm Name	**Arcadis**	Past Performance Evaluation Discipline(s)*	**Road, Bridge, Environmental, Traffic**
Project Name	**I-49 SEIS Richoc to Berwick**	Firm responsibility (prime or sub?)	Prime
Project Number	H.011328	Owner's Name	Louisiana Department of Transportation and Development (LADOTD)
Project Location	St. Mary Parish, Louisiana	Owner's Project Manager	Corey Landry
Owner's address, phone, email	1201 Capitol Access Rd., Room 201E, Baton Rouge, Louisiana 70802, 225 379 1889, corey.landry@la.gov		
Services commenced by this firm (mm/yy)	02/17	Total consultant contract cost ($1,000's)	$2,593
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$2,080

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Conceptual design, Alternatives development for National Environmental Policy Act (NEPA) compliance, Bridge and road line and grade analysis, wetland analysis, Socioeconomic/Environmental Justice, Visual imagery, Air and noise analysis/ modeling; Phase I Environmental Site Assessments (ESA), Stakeholder/public outreach, Agency Coordination.

Arcadis is preparing a Supplemental Environmental Impact Study (SEIS) for LADOTD along a 10-mile segment of Future I-49 South between Richoc and Berwick in St. Mary Parish. Previously, an Engineering Information Systems with Record of Decision (ROD) was completed for this section of future I-49. The scope of the SEIS is to investigate other alternatives which will facilitate a more feasible and cost-effective solution for upgrading this section of roadway to interstate standards.

Arcadis is currently evaluating alternatives within the Traffic Analysis phase of the project. This work has included geometric design, alternative evaluation, assessment of existing conditions, and evaluation of potential impacts of the alternatives being evaluated, in regard to such items as Right of Way, Social economic, Access Management, Local Connectivity, Railroad, Built environment, construction costs and others, as needed to fully determine the initial feasibility of alternatives being evaluated. Following the completion of the traffic phase, Arcadis will proceed into a full Line and Grade/Conceptual design and Environmental Evaluation of the identified alternatives, including public, stakeholder, officials, and agency coordination/outreach.

Arcadis services for this contract include Line and Grade Study, Conceptual Design, Alternatives Screening Analysis, Tier 1/Tier 2 Traffic Analysis, Air and Noise Analysis, Highway Safety Manual Analysis, NEPA Environmental Evaluation, Land Use/Social economics/Community Impacts, Phase I ESA, Public and Stakeholder Outreach/Meetings, Agency Coordination, Scope and Budget Development and Cost Analysis.

Firm Members Involved: Akhil Chauhan, Ari Deitch, David Fulks, Jason Morrell

RELEVANT SERVICES

- NEPA SEIS Environmental Documentation
- Wetlands and Other Waters Survey and Delineation
- Threatened and Endangered Species
- Permits Evaluation
- Phase I ESA
- Tier 1 and 2 Traffic Analysis
- Air and Noise Analysis
- Section 4(f) and 6(f)
- Public and Stakeholder Outreach/Meetings
- Agency Coordination
- Line and Grade Evaluation / Conceptual Design
- Cost Analysis

Figure 5: Potential Environmental Impacts (Wetlands and Prime Farmland). Note: Developed Parcels not considered Prime Farmland

Firm Name	**Gulf South Research Corporation**	Past Performance Evaluation Discipline(s)*	**Environmental**
Project Name	**Environmental Compliance Assistance for Clearing and Grubbing 302 Acres at England Airpark, Alexandria, Louisiana**	Firm responsibility (prime or sub?)	Sub
Project Number	Signed letter contract	Owner's Name	Pan American Engineers, LLC
Project Location	Alexandria, Louisiana	Owner's Project Manager	Brendon Gaspard
Owner's address, phone, email	1717 Jackson St., Alexandria, LA 71301, (318) 473-2100; Brendon@paealex.com		
Services commenced by this firm (mm/yy)	12/13	Total consultant contract cost ($1,000's)	$348.25
Services completed by this firm (mm/yy)	10/17	Cost of consultant services provided by this firm ($1,000's)	$348.25

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

GSRC conducted Phase I cultural resources survey, for the clearing and grubbing of 302 acres at England Airpark. The Phase I cultural resources survey revisted two previously recorded archaeological sites, the McNutt Plantation [16RA692] and the Weil Property [16RA703]. Both site were recommended potentially eligble for the NRHP. GSRC subsequently conducted the Phase II archaeological site testing and III data recovery testing at the two previously recorded historic cultural resources sites. The Phase II archaeological site testing consisted of a excavation of shovel test pits along along a 10-meter grid across the McNutt Plantation and Weil Property archaeological sites and the excavation of four 1-meter by 1-meter test units at each site. The Phase III data recovery consisted of stripping approximately 4, 000 square meters of topsoil and placing excavation block units in high-probability areas to reveal intact cultural deposits or features across both sites. In addition to mechanical stripping and excavation of block units, an in-depth archival investigation was conducted, which identified the main house as having a construction date of 1859 and having been destroyed with the construction of the Alexandria Municipal Airport in the 1940s. The Weil Property (16RA703) had four chimney falls located during the Phase I investigation; no other features were located. The McNutt Plantation (16RA692) excavation units revealed several intact features, including the brick foundation of the main house, a concrete foundation for a side building, and the brick lining of a subterranean cistern.

Block Excavation of Brick Pier Feature, McNutt Plantation

GSRC personnel prepared the Phase I cultural resources survey report, a research design for both the Phase II archaeological site testing and Phase III data recovery investigations, a management summary outlining the result of the Phase II archaeological site testing investigations, Adverse Effects Documentation on the two eligible archaeological sites, the Memorandum of Agreement for mitigation of adverse effects on the two archaeological sites, and a management summary for the Phase III data recovery investigations, and is the technical report that detailed the combined results of both the Phase II archaeological site testing and Phase III data recovery investigations. GSRC personnel also analyzed the artifacts recovered from the Phase II and III investigations in their in-house laboratory and are prepared the collection for permanent curation. All work (100%) under this task order was performed in Louisiana.

Firm Members Involved: Josh McEnany, John Lindemuth, and Bretton Somers

Firm Name	**Gulf South Research Corporation**	Past Performance Evaluation Discipline(s)*	**Environmental**
Project Name	**Archaeological Survey Requirements Phase I Fort Polk, Vernon Parish, Fort Polk Louisiana**	Firm responsibility (prime or sub?)	Prime
Project Number	W9126G-12-D-0012, Task Order 0009	Owner's Name	USACE, Fort Worth
Project Location	Vernon Parish, Louisiana	Owner's Project Manager	Mike Falcone
Owner's address, phone, email	819 Taylor Street; Fort Worth, Texas 76102;817-886-1724; Michael.W.Falcone@usace.army.mil		
Services commenced by this firm (mm/yy)	09/13	Total consultant contract cost ($1,000's)	$803
Services completed by this firm (mm/yy)	05/15	Cost of consultant services provided by this firm ($1,000's)	$803

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

The Conservation Branch at Fort Polk through the USACE, Fort Worth District, contracted GSRC to survey approximately 6,200 acres of land in Vernon Parish, Louisiana. GSRC's investigation included literature and archival research utilizing existing data. This information was used to characterize the cultural resources that would be encountered during the surveys and as a basis for evaluating the resources found for the NRHP, as well as developing a Research Design that was used to guide the study and for evaluating the archaeological resources recorded.

GSRC conducted the Phase I cultural resources survey utilizing parallel transects and shovel tests spaced at 30- or 50-meter intervals, dependent on the probability zones provided in the Fort Polk Site Probability Model. The terrestrial survey resulted in the excavation of over 21,000 shovel test pits (STP) across the survey area. An additional 3,677 STPs were excavated during the recording and updating of archaeological sites during the survey. The intensive cultural resources survey of the property identified 63 archaeological sites, including a historic cemetery, revisited and updated four previously recorded archaeological sites, and identified 73 isolated finds dating from the Late Paleoindian through the Industrial and Modern periods of Louisiana. State of Louisiana Archaeological Site Forms were completed for each archaeological site recorded in the field. A Trimble GeoXT GPS unit was used to record relevant features of all archaeological sites and isolated finds identified during this study. GPS points were taken for the center of the archaeological site or isolated find and the datum established at each archaeological site. Metadata associated with GIS files were maintained and submitted to Fort Polk as a deliverable with the GIS data. Photographic data were also collected at each site location during the delineation of the site boundaries. A survey photo log was maintained for the duration of the study.

GSRC was also responsible for the conservation of over 3,000 artifacts recovered during the survey effort and the preparation of the artifacts and associated documents for curation including the creation of a curation inventory. GSRC entered all artifacts into a curation database provided by Fort Polk and prepared the collection in accordance with Fort Polk's guideline for curation, which exceeded industry standards. GSRC also prepared a technical report outlining the results of the survey and that addressed research questions regarding settlement patterns and lithic resource use in the area. This cultural resources report was submitted to the Louisiana SHPO during the consultation on the project. The Louisiana SHPO concurred with all the findings presented in the report. John Lindemuth and Bretton Somers were task managers for this project.

Firm Members Involved: John Lindemuth (Task Manager) and Bretton Somers (Task Manager)

Firm Name	**The Lakvold Group**	Past Performance Evaluation Discipline(s)*	**Planning/Right-of-Way/Appraiser**
Project Name	**US 80 Widening: Vancil Road to Well Road Environmental Assessment**	Firm responsibility (prime or sub?)	Sub
Project Number	H.009932	Owner's Name	LADOTD
Project Location	Ouachita Parish, Louisiana	Owner's Project Manager	Christina Brignac
Owner's address, phone, email	1201 Capitol Access Road Baton Rouge, LA, 225-379-1232, cbrignac@la.gov		
Services commenced by this firm (mm/yy)	05/19	Total consultant contract cost ($1,000's)	$742,500
Services completed by this firm (mm/yy)	08/19	Cost of consultant services provided by this firm ($1,000's)	$7,200

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

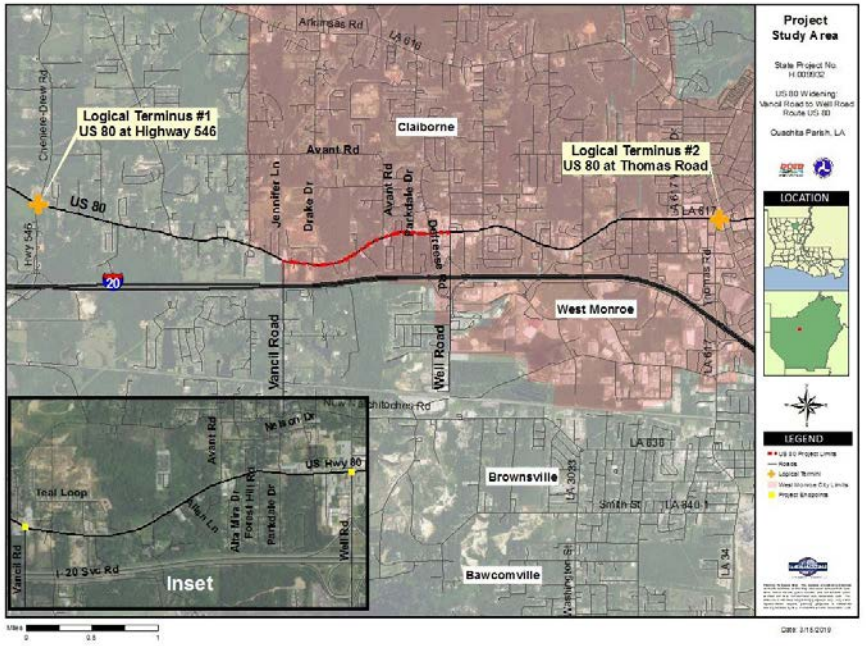
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

US 80 is an important roadway within Ouachita Parish, as it provides ingress and egress from cities within Louisiana to West Monroe. The US 80 Widening Project was an Environmental Assessment in accordance with LADOTD and FHWA. This project purpose and need was to increase capacity, improve traffic congestion and minimize travel delays, and improve safety along US 80 between Vancil Road and Well Road.

Firm's Role: The Lakvold Group completed the Conceptual Stage Relocation Plan based on various alternatives. The plan included viewing the project area and researching the market area and real estate transactions and available real estate inventory. The findings were presented in the Conceptual Stage Relocation Plan Report and submitted to LADOTD and FHWA for review.

Project Management and Final Transportation Study and Deliverables. These tasks included providing the completed document for review and inclusion in the Environmental Assessment.

Firm Members Involved: Angela Lemoine-Lakvold and support staff



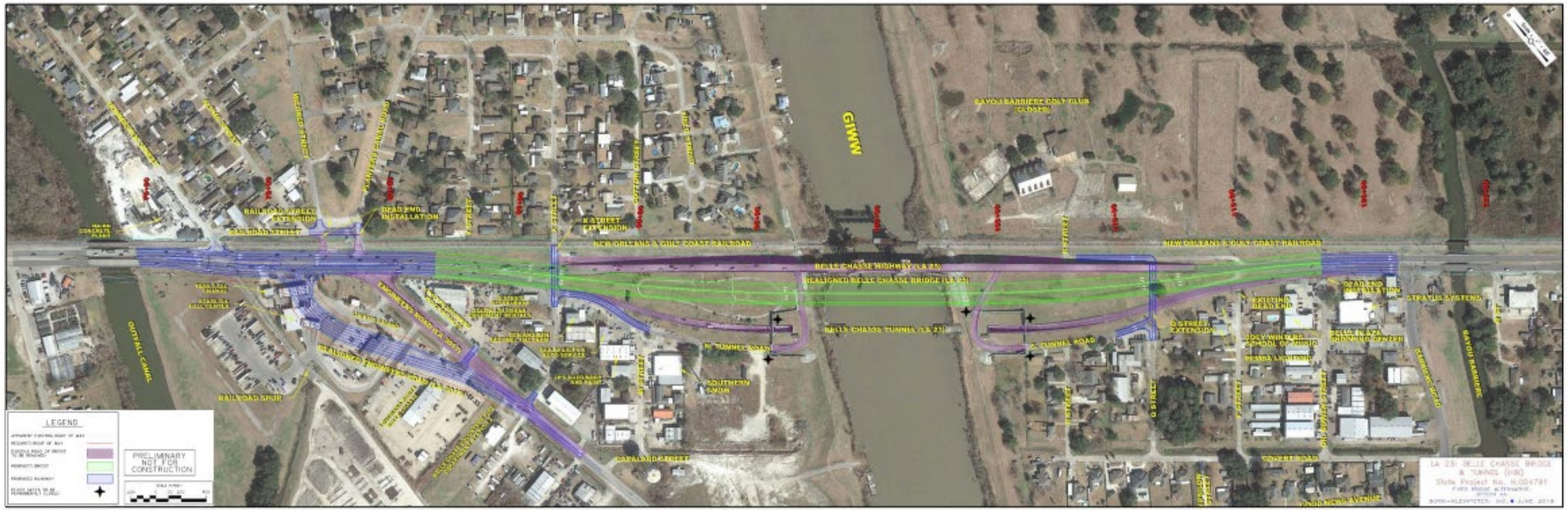
Firm Name	**The Lakvold Group**			Past Performance Evaluation Discipline(s)*	**Right-of-Way/Appraiser**
Project Name	**Belle Chasse Bridge & Tunnel**			Firm responsibility (prime or sub?)	Sub
Project Number	H.004791	Owner's Name	LADOTD		
Project Location	Jefferson Parish and Plaquemines Parish, Louisiana		Owner's Project Manager	Joe Earls	
Owner's address, phone, email	8555 United Plaza Boulevard, Baton Rouge, Louisiana; Phone 833-523-2526; joseph.earls@csrsinc.com				
Services commenced by this firm (mm/yy)	11/20	Total consultant contract cost ($1,000's)		Unknown	
Services completed by this firm (mm/yy)	03/22	Cost of consultant services provided by this firm ($1,000's)		$120,000	

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Firm's Role: Complete appraisals for the acquisition of the right-of-way for the construction of the project. Project Management and Final Transportation Study and Deliverables. These tasks included meeting with property owners, cost consultants, and project managers. Analysis and research of the real estate market and completion of individual appraisals on the various parcels.

Firm Members Involved: Angela Lemoine-Lakvold and support staff



Firm Name	**The Lakvold Group**	Past Performance Evaluation Discipline(s)*	**Planning/Right-of-Way/Appraiser**
Project Name	**Interstate 10/Loyola Interchange Improvements Environmental Assessment**	Firm responsibility (prime or sub?)	Sub
Project Number	H.011670	Owner's Name	LADOTD
Project Location	Jefferson Parish, Louisiana	Owner's Project Manager	Joe Earls
Owner's address, phone, email	8555 United Plaza Boulevard, Baton Rouge, Louisiana; Phone 833-523-2526; joseph.earls@csrsinc.com		
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	08/19	Cost of consultant services provided by this firm ($1,000's)	$17,400

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

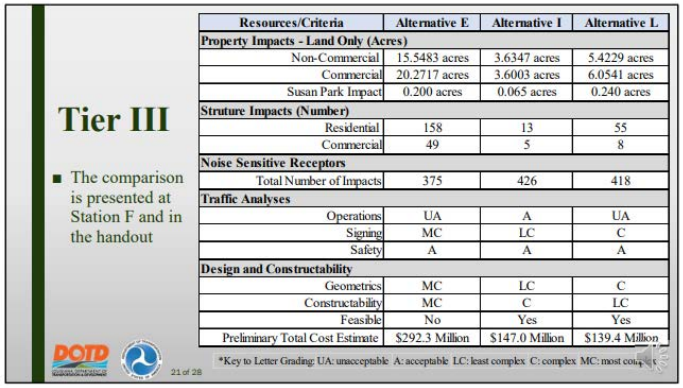
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

The purpose of the proposed I-10/Loyola Dr. Interchange Improvements project is to increase the capacity of the existing interchange in order to accommodate current and future traffic demands as well as to serve as the primary ingress and egress for the new North Terminal being constructed at the Louis Armstrong New Orleans International Airport (MSY).

Firm's Role: Completed Conceptual Stage Relocation Plan based on various alternatives. Plan included viewing the project area and research of the market area and real estate transactions and available real estate inventory. Completed the advanced acquisition of the Red Roof Inn.

Project Management and Final Transportation Study and Deliverables. These tasks included providing the completed document for review and inclusion in the Environmental Assessment. Analysis and research of the real estate market and completion of individual appraisals on the various parcels.

Firm Members Involved: Angela Lemoine-Lakvold and support staff



Resources/Criteria	Alternative E	Alternative I	Alternative L
Property Impacts - Land Only (Acres)			
Non-Commercial	15.5483 acres	3.6347 acres	5.4229 acres
Commercial	20.2717 acres	3.6003 acres	6.0541 acres
Susan Park Impact	0.200 acres	0.065 acres	0.240 acres
Struture Impacts (Number)			
Residential	158	13	55
Commercial	49	5	8
Noise Sensitive Receptors			
Total Number of Impacts	375	426	418
Traffic Analyses			
Operations	UA	A	UA
Signing	MC	LC	C
Safety	A	A	A
Design and Constructability			
Geometrics	MC	LC	C
Constructability	MC	C	LC
Feasible	No	Yes	Yes
Preliminary Total Cost Estimate	$292.3 Million	$147.0 Million	$139.4 Million

*Key to Letter Grading: UA: unacceptable A: acceptable LC: least complex C: complex MC: most co

Section 18

This graphic outlines GEC capabilties in meeting or exceeding the evaluation criteria for LADOTD projects.

The GEC Team is equipped with lessons learned and the knowledge of how to proactively approach this project to provide successful and timely deliverables.

FIRM EXPERIENCE

- The GEC Team firms have combined 260+ years of experience
- The GEC Team firms, as demonstrated by the enclosed project sheets, have relevant experience for their assigned scope
- The GEC Team has provided engineering and environmental services for numerous transportation related environmental studies in accordance with NEPA and LADOTD standards
- The GEC Team has worked together in the past on similar projects to conduct line and grade studies, environmental documents, technical studies, public outreach, purpose and need, and alternatives analysis

PAST PERFORMANCE

- The GEC Team has a proven track record at successfully providing environmental and engineering services for LADOTD through our past performance, local knowledge, coordination/ cooperation with LADOTD, adherence to schedules and budgets, and producing a superior work product
- The GEC Team has consistent high consultant ratings in the relevant project evaluation disciplines
- Narratives from previous LADOTD Environmental Project Managers are a testament to The GEC Team's past performance

STAFF EXPERIENCE

- GEC Team members, as demonstrated by enclosed resumes, have relevant experience for their proposed project role
- The GEC Team is structured to provide adequate capability and capacity to perform volume and quality of required scope of work within the project schedule
- The Project Management Team is staffed with qualified personnel having appropriate experience in similar projects, with dedicated time appropriately allocated to this project
- Project management team and key personnel have successfully led LADOTD projects in their respective scope fields
- Individual proposed personnel experience includes members who have spent the last 30+ years engaged in NEPA and transportation projects
- The GEC Team consists of 2 DBE firms; the GEC Team recognizes the importance of inclusive participation and exceeds the requirements of this evaluation criteria

CURRENT WORKLOAD

- Most of the work currently being performed by The GEC Team are in other evaluation disciplines, leaving the core group proposed for this project available to start work immediately
- Regarding Section 19: Work categorized as "other" is mostly electrical; The Road Transfer Program involves only 1 GEC employee housed full-time at LADOTD HQ for the management of this program. It is unlikely the entire contract amount will be spent; The I-49 project design phase has been put on hold to revisit the NEPA process; therefore, GEC's involvement has been limited to the following: conceptual bridge layouts for the environmental assessment, pump station design, and project scheduling. GEC's roadway staff is not involved in the project.
- The staff identified in this submittal will be immediately available upon receipt of NTP from LADOTD. GEC has sufficient staff and resources regardless of ongoing contracts listed in Section 19 of our response.

FIRM SIZE TO MAGNITUDE

- The GEC Team has a large physical presence in Louisiana & robust in-house transportation & environmental engineering capabilities
- The GEC Team has 51 dedicated personnel committed to this contract and 83 personnel available to support the work
- GEC is a Baton Rouge, LA headquartered firm, staffed by over 100 Louisiana residents with a personal interest that goes far beyond fulfillment of contractual obligations to LADOTD
- Almost all firms on the GEC Team are situated within the geographic proximity to the project area and have the capability to perform these services within these offices with limited support from other offices
- The GEC Team has successfully completed projects of similar size and complexity for LADOTD

APPROACH & METHODOLOGY

- As described in Section 18, The GEC Team knows how to approach the project, understands the scope of the project, and is highly knowledgeable with the FHWA-LADOTD NEPA process
- Our approach to the project includes regular and ongoing communication to keep all parties involved and informed. The GEC Team will provide information in a concise manner, ensuring careful public communications and making it easily understandable for all interested parties.
- A unique work plan will be developed at the very beginning that will detail the schedule, timeline, and tasks required to complete the project and will be updated on a daily basis to ensure efficiency and timely deliverables

GEC

St. Nazaire Rd Ext: LA 96 - Corne Rd

Summary of Experience

G.E.C., Inc. (GEC) is pleased to present LADOTD with a team of recognized experts in each of the elements of work required to complete the St. Nazaire St. Extension project. This strategically selected team has significant experience in providing services to complete each of the elements of work required for FHWA-LADOTD NEPA projects; these areas of work include environmental, planning, roadway, utilities, traffic, wetlands delineation, threatened & endangered species assessments, Phase I ESA, conceptual stage relocation, public & stakeholder outreach, noise/air, traffic, & cultural resources services.

Approach

This team is organized to provide complete services for this project, covering all aspects of project implementation from conceptual planning through final acceptance and decision documentation. The GEC Team's Project Manager, Bliss Bernard, PE, has a proven record of efficiently and successfully managing FHWA-LADOTD NEPA projects through FONSI issuance. Bliss initially develops the Work Plan that associates the scope items of work, schedule, and budget in one concise document and format. This initial framework is developed early on to create man-hours, budget, and schedule, then is used throughout the duration of the project to further manage submittal deadlines and progress. A previous FHWA-LADOTD EA project she managed had 311 tasks associated with the tracking progress and each line has a status report, date completed, and a note. These inputs are further linked with another sheet that lists the milestones completed in order, by date, which allows for easy progress report tracking, monthly invoices, and status updates at any given time.

Our approach to the project includes regular and ongoing communication to keep all parties involved and informed. The GEC Team will provide information in a concise manner, ensuring careful public communications and making it easily understandable for all interested parties. GEC understands FHWA and LADOTD's typical sequence of the Stage 1 Process and will further the findings from the Stage 0 Process to receive approval on the Environmental Assessment and decision document. The GEC Team will ensure quality submittals and efficient delivery of the final environmental document in accordance with FHWA T *6640.8A Guidance for Preparing and Processing Environmental and Section 4(f) Documents*. GEC has developed numerous submittals for FHWA-LADOTD projects in accordance with this technical advisory and will ensure uniformity and consistency in the format, content, and processing of this environmental document in accordance with NEPA. Further details on GEC's approach to challenges are presented in table 1.

Methodology

GEC will follow the steps in the LADOTD Stage 1- Planning/Environmental Manual of Standard Practice, which will consist of the primary tasks as described below. This is a high-level overview of the major scope items that the GEC Team will complete. The project schedule is a condensed version of this methodology and the schedule and methodology are subject to alteration based on the class of action.

Project Kickoff

Once a NTP is issued, the GEC will hold a kickoff meeting with LADOTD, FHWA, and consultants. GEC has already performed a field review and identified some constraints; these constraints will be discussed in the kickoff meeting. One of the most important activities in the TEPR and environmental process is the kick-off meeting. It is vitally important to ask the right questions so that consultants and LADOTD are starting the project in alignment. The tasks that will be completed in this phase include:

- A draft work plan and schedule, laying out all necessary tasks required as a part of this contract, will be developed and reviewed at this meeting.
- Preliminary pre-design criteria and LADOTD Minimum Design Guidelines will be established before and reviewed at the meeting.
- Discuss identified constraints, MOEs to be compared, & preliminary purpose & need (P&N). Request and review any traffic data, geotechnical data, pavement design, as-built plans, environmental documents, and other relevant data that is available.
- Project points of contact, schedule, budget, invoicing procedures, QA/QC procedures/ plans, and other project management tasks will be discussed & established.
- Minutes from this meeting will be prepared, distributed to attendees, and will become a part of the official project record.

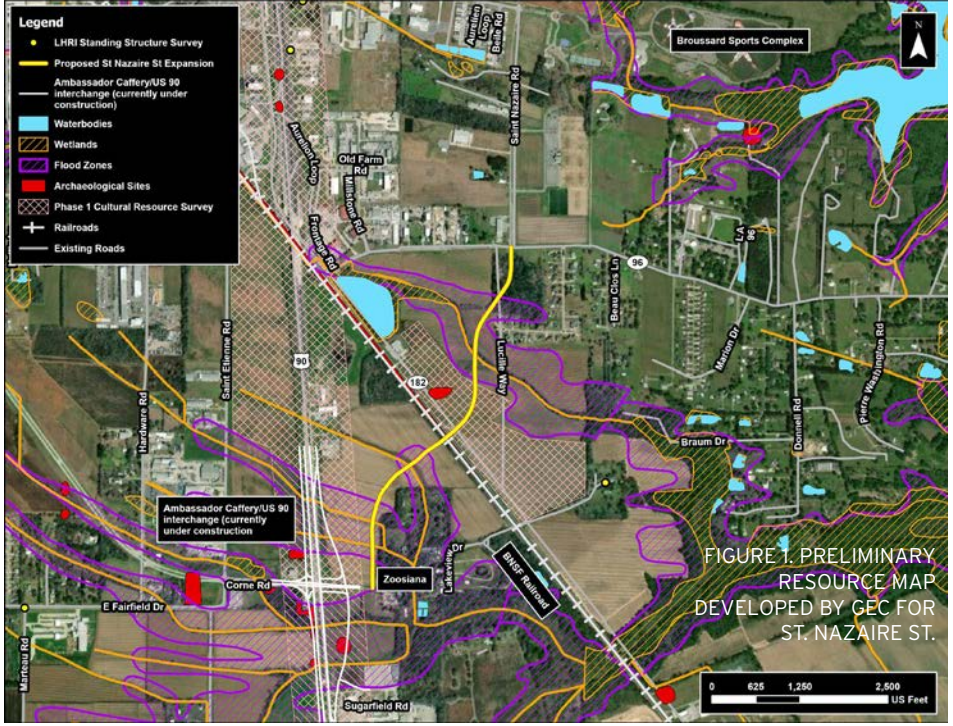


FIGURE 1. PRELIMINARY RESOURCE MAP DEVELOPED BY GEC FOR ST. NAZAIRE ST.

Preliminary Technical Studies

The Traffic Study and Line and Grade (L&G) Study is essential in this process in order to obtain the traffic and safety data necessary to develop reasonable alternatives that address the study P&N. Other technical studies can also be completed in this stage to

Once design criteria is approved by LADOTD, the GEC Team will complete the traffic study and L&G study at concurrent intervals to expedite the schedule. Traffic data collection will occur early on the project process to ensure the project stays on schedule. Situated in the beginning of the typical process, this task is a vital piece of the project, leading the effort to establish the purpose and need, alternatives analysis, and the L&G study, and can often result in delays; however, if traffic data is collected as early as possible, the project process will continue as planned.

expedite the project or if impacts require further investigation, if approved by LADOTD. This could include the Phase 1 ESA, Cultural Resources Investigation, noise/air, wetlands, and others. This would further expedite the schedule if performed concurrently.

TRAFFIC STUDY: All traffic tasks will be done in accordance with the LADOTD TEPR process. The GEC Team is intimately familiar with TEPR guidelines and requirements. This familiarity will aid in mitigate common causes of delay with traffic studies and will streamline analysis tasks and reviews for traffic deliverables.

Initial & Final Data Collection: The GEC Team will contract a data collection firm to collect traffic counts and speed data as a reimbursable expense to their contract. NSI will conduct 3 initial 7-day, 24 hour counts to identify the peak periods for the study area. Additional 48-hour counts, geometric checks, and turning movement counts with demand, along with peak hour observations, will be conducted at the study intersections

Table 1. Project Scope Challenges & GEC's Approach

Our Team's initial reviews of the data, performing a field visit, and reviewing the history and Stage 0 Report for improvements to St. Nazaire Street led to the identification of some scope elements and challenges, and Table 1 presents these along with the GEC Team's Approach/Solution.

FUTURE CORRIDOR CONSIDERATIONS

- The Ambassador Caffery US 90 Interchange and US 90 (Future I-49) Corridor Project is currently under construction and is planned to be complete by Spring 2026. This project consists of a full access controlled, grade-separated interchange with a 6-lane bridge structure over Ambassador Caffery. US 90 will be widened to 6 lanes with one-way northbound and southbound two-lane frontage roads with U-Turns and new drainage structures. Ambassador Caffery will also be widened and reconstructed. This project is a part of the larger I-49 South project, which includes approximately 160 miles of roadway. This project will create a more efficient movement of goods and services, improving access to several facilities in the immediate vicinity such as the Lafayette Regional Airport, ports of Iberia, West St. Mary and Morgan City, Amtrak, and the Louisiana & Delta Railroad.
- The Broussard Sports Complex at St. Julien Park is located along St. Nazaire Rd. just north of the project termini. The St. Nazaire Extension would provide a parallel alternative route to access the sports complex, allowing better access & traffic facilitation for the complex. The park contains baseball, softball, and soccer fields and tennis and basketball courts. It also contains an amphitheater, playgrounds, splash park, a walking trail, concessions, and a fishing pond. Based on preliminary research, the sports complex appears to qualify as a Section 4(f) property because it appears to meet all criteria required, as it is (1) publicly owned, (2) open to the public, (3), major purpose if for park/recreation activity, and (4), it is significant as a park.
- Zoosiana is located near the project end termini on Corne Rd. Zoosiana is situated on over 42 acres of land, & in 2016, it was estimated that it attracts more than 145,000 visitors per year.
- Surrounding Residential/Commercial Considerations: The GEC Team gathered data from the Lafayette Parish Assessor, and it appears that land will need to be acquired by a number of landowners. There is one residential home that is located adjacent to the Stage 0 alignment, a neighborhood along Lantana Court, and access to Lakeview Road; thus, real estate impacts are anticipated.

The forecast of no build and build year volumes will include the future I-49 corridor and the I-49 (US 90)/Ambassador Caffery interchange, current traffic generators such as the Broussard Sports Complex and Zoosiana, and future considerations. The City's Master Plan, future traffic patterns, traffic generators, current and future zoning, and land use is vital information to be considered in the traffic study, line and grade study, and the development of alternatives. The GEC Team, having knowledge of the City/Parish's plans, future land use, and development potential will consider the unique challenges of these elements such as special events, economic generators, truck routes, and future development and will coordinate by working directly with the City of Broussard and relevant stakeholders. The Acadiana Planning Commission Travel Demand Model will be used to assist in developing these no build and build year volumes. **NSI staff developed this model for Acadiana Planning Commission and has extensive knowledge and experience using this model**, which will speed up the tasks associated with this scope item. The GEC Team will also consider this new interchange and corridor when analyzing traffic, alternatives, and cumulative impacts.

The GEC Team will also evaluate the potential 4(f) properties in accordance with Section 4(f) guidelines to analyze "avoidance, minimization, and mitigation." The project may have a de minimis impact, fit a programmatic evaluation, or it may require more detailed analysis such as an individual evaluation of the park, dependent on the impacts. The GEC Team is highly knowledgeable with Section 4(f) evaluations. **Project Manager, Bliss Bernard, developed and received approval on the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in the State of Louisiana. She coordinated all activities for Section 4(f), prepared the analyses developed the report, coordinated directly with FHWA and LADOTD, and ultimately received approval.**

The GEC Team will develop the Conceptual Stage Relocation Plan (CSRP), which will identify the extent, scope, and effects of relocations that may be caused by each alternate location or design under consideration for the proposed project. The GEC Team will assess alternatives to provide a roadway in accordance with LADOTD design guidelines while minimizing the amount of ROW taken by some of the following methods: (1) gathering accurate parcel data from the Lafayette Parish Assessor, (2) coordination with landowners, and (3) shifting alignment in areas to minimize impacts to businesses and homes. The GEC Team will analyze numerous alternatives to ensure acquisition and relocation is minimized.

PROPOSED INTERSECTION CONSIDERATIONS (LA 182, BNSF RAILROAD, ZOOSIANA)

- The BNSF Railroad crosses the proposed St. Nazaire Extension; the alignment identified in the Stage 0 does not intersect at an existing rail crossing location.
- The Stage 0 concept includes a proposed roundabout at the intersection of St. Nazaire Extension and LA 182. This intersection will be near the BNSF railroad. This will need to be taken into consideration when evaluating alternatives for this intersection.
- The LA 96/LA 182 intersection is on states high PSI list.

The GEC Team will evaluate the proposed Stage 0 alignment and develop and analyze other proposed alternatives such as an alternative that crosses at the existing rail crossing as well as alternatives with new crossing locations and associated access road alternatives. Proposing a roundabout near rail crossings can present safety issues such as vehicles queued at an approach may get caught on the railroad tracks or back up into the roundabout and interfere with the roundabout operations. The GEC Team will evaluate intersection improvements and configurations to improve safety at the existing intersection and any new proposed intersections. If a roundabout is selected, the GEC Team will evaluate innovative designs to address any concerns with the roundabout/railroad issues. The proposed roundabout will need to be located at an appropriate distance from the railroad to accommodate queues for closure only at the rail for when a train is present. Innovative crossing arms, signage, flashing lights, gates, slip lanes, aligning the railroad so that it only closes one leg and prohibits movement in the lesser used approach, providing storage for queuing vehicles, and detour routes will all be evaluated to determine the best intersection configuration near the railroad. These alternatives will consider intersection geometry, such as roundabouts, traditional signalized intersections, etc.) and traffic control for the proposed intersections of LA 182 and LA 96 with the proposed extension all while also considering the BNSF Railroad and access to Zoosiana.

COMPLETE STREETS, CONTEXT SENSITIVE SOLUTIONS

- Zoosiana is located near the project end termini on Corne Road. The Broussard Sports Complex is located along St. Nazaire Rd. just north of the project termini. Sidewalks are not present along the neighboring corridors.

The GEC Team will implement the Complete Streets Policy appropriately, while considering surrounding connectivity to existing facilities (Broussard Sports Complex, Zoosiana) and the anticipated future land use and connectivity to the future developments, as it is important to build streets for all users. The implementation of LADOTD Complete Streets and Access Management Policies will lead to a more cohesive design that balances vehicular capacity with the safe accommodation of pedestrians and bicyclists. The GEC Team will also use LADOTD and AASHTO Guidelines in designing proposed sidewalks, bicycle facilities, CCS elements, and access management. Context sensitive solutions will be implemented around these areas to ensure the transportation facility complements and enhances the context in which it is situated. The GEC Team developed a rendering that displays a potential alternative configuration (Figure 2).


FIGURE 2. ST NAZAIRE ST RENDERING

of LA 96 at LA 183, LA 96 at St. Nazaire Road, LA 182 at Lakeview Road and US 90 at Ambassador Caffery Parkway / Corne Road within the project area. NSI will use the Acadiana Planning Commission Travel Demand model to develop growth rates for the study area to establish the project future No Build volumes The existing data collection, Appendix A, B, and Chapter 1 will be submitted to DOTD for review in accordance with the required deliverables outlined in the TEPR.

Existing & No-Build & Safety Analysis- NSI will use HCS and/or SIDRA to evaluate existing and no build traffic operations of the study intersections. This analysis will document the existing and no build measures of effectiveness (MOE) such as V/C ratios, 95% queue lengths, and delay. The existing safety analysis within the study area will use CATScan to evaluate the latest 3 years of crash data to identify trends in crashes. Crash reports will be read and analyzed including a QA of Cat Scan to a Quality Assurance of 90%. In addition, collision diagrams will be prepared as needed. Based on the analysis, NSI will provide a crash analysis summary documenting potential cause of correctable crashes. In addition, a Tier 1 analysis will be performed to develop high level alternatives of the proposed extension of St. Nazaire Road. These alternatives will consider intersection geometry, such as roundabouts, traditional signalized intersections, etc.) and traffic control for the proposed intersections of LA 182 and LA 96 with the proposed extension. These alternatives will take into consideration the BNSF Railroad and entrance to Zoosiana. The steps performed in this phase will be used to develop Appendix C, crash diagrams, crash report documentation, crash analysis summary, existing safety analysis QA/QC checklist, Appendix D (Existing and No Build Analysis), Chapter 2, and the Tier 1 Alternatives Analysis. The GEC Team will coordinate and conduct the "Existing and No-Built Results Meeting" to discuss the findings of the analysis and discuss tool selection to progress into the Alternatives Analysis process.

Preliminary Alternatives Analysis: NSI will develop build year volumes withing the study area. These build year volumes will be developed using the Acadiana Planning Commission Travel Demand Model and will include the proposed US 90/Ambassador Caffery interchange. These build year volumes will be used to evaluate the proposed alternative using HCS and/or SIDRA if roundabouts are considered. This analysis will document the build year MOE's. NSI will perform a safety analysis to document which potential crashes may be eliminated with the proposed alternatives. This alternative analysis will be performed in conjunction with the critical geometry/Design Guideline Report. The Alternative Analysis will be submitted to LADOTD for review in accordance with the deliverables outlined in the TEPR.

Final Alternatives Analysis - Upon approval to the Alternative Analysis, NSI will prepared a completed stamped and signed Final Traffic Study Report to include the approved Executive Summary, Introduction, Chapter 1, Chapter 2, Chapter 3, Matrix, and Appendices A, B, C, D and E.

LINE AND GRADE (L&G) STUDY: The L&G Study will consist of obtaining existing conditions to be used in the consideration of the proposed alignments including existing roadway conditions, topographic features, parcels, constraints, utility locations, traffic and safety study, and environmentally sensitive areas. The GEC Team will establish the design criteria at the kickoff meeting and will refine it based upon the analyses. The GEC Team will develop conceptual plans and renderings for the project and perform the horizontal and vertical alignment studies for each identified alternative. The exhibits will include typical section and plan and profile views displaying the existing and proposed data for each alternative. This will encompass lane configurations, typical sections, horizontal and vertical geometries, roadway grades, hydraulics analysis, approximate ROW lines, list of impacted improvements, curve geometry, intersection geometry, dimensioning, and other required schematics. GEC will analyze intersection geometrics based upon results from the traffic study. The analyses in this stage will be summarized in a L&G Study Report. This report will summarize the existing and proposed conditions for each alternative, cost estimates for ROW, utilities, and construction, and design reports or required waivers and exceptions. The Lakvold Group's findings in the CSRP will be incorporated into the Report.

Range of Alternatives

The GEC Team will refine the project Purpose & Need (P&N) based upon findings from the traffic and L&G studies. The preliminary purpose and need of this project, identified in Stage 0 is to "provide additional connectivity in order to relieve congestion at the intersection of LA 96 and LA 182." The GEC Team will develop alternatives that will meet the Project's refined P&N.

Constraint Mapping

The GEC Team is already building a GIS database, a required project deliverable.

An ESRI ArcGIS database will be created in accordance with the LADOTD Geospatial Data Standards and shared with LADOTD early on to access at any point during the project. GEC has already began developing this GIS database as displayed in the project resource map (Figure 1). This is an important step so that all environmental and engineering data is consolidated onto one common basemap that LADOTD or FHWA personnel who have permissions can access at any time. An inventory of all known environmental, social, and cultural resources within the study area will be expanded upon using secondary source data and will be continuously updated and supplemented with primary source data.

Technical Studies

Additional technical studies required may include but are not limited to: air and noise study, wetlands delineation, cultural resources survey, T&E species study, Phase 1 Environmental Site Assessment (ESA), Section 4(f) and 6(f), and conceptual stage relocation plan. **These technical studies will be completed concurrently to one another, as most of them are not dependent upon one another. To ensure efficient delivery of the project, these simultaneous tasks will reduce delays that are commonly encountered in the environmental process.** Some of the scope element challenges and GEC's approach is detailed in Table 1; this is not an all-inclusive list, but it captures some of the technical studies that are associated with design challenges within the project.

Public and Stakeholder Outreach

A key to success is early, frequent, and transparent outreach to all interested parties. GEC has already obtained the parcel map from the Lafayette Parish Assessor that details landowners within the study area. The GEC Team will handle all arrangements associated with the public involvement events, including coordinating the format, reserving the venue, preparation and mailing of public notices, exhibits, presentations, handouts,

and other meeting materials. The GEC Team will coordinate with and receive approval from LADOTD and FHWA prior to the event. Following any public and stakeholder meeting, The GEC Team will prepare the summary of comments and meeting minutes for LADOTD and FHWA's approval and will distribute appropriately.

Public Involvement Plan (PIP)- The PIP & mailing list will be continuously updated. The revised draft work plan, PIP, P&N, study area, and stakeholder list will be revised and submitted to LADOTD for approval. ***Solicitation of Views (SOV)-*** Once the documents are approved by LADOTD and FHWA, the SOV packet will be developed including the project vicinity map and letter describing the preliminary project description and potential study alternatives. Responses will be documented and incorporated into the final document. Right-of-entry letters may also be developed at this stage if it is anticipated that early landowner access will be required for preliminary studies. The GEC Team will develop the draft letter and maps for Tribal coordination and will submit the package to FHWA to submit to the Tribes. Cooperating and participating agencies will be invited to participate. ***Stakeholder Comment on Range of Alternatives & Agency Review Meeting-*** Updated project study area map, process flowcharts, exhibits with preliminary alternatives, and environmental features will be prepared for stakeholders to comment on. Comments will be solicited on the alternatives development and P&N Statement. ***Public Involvement Meeting-*** The public involvement meeting will be held in accordance with LADOTD Stage 1 Public Involvement Procedures.

FIGURE 3. PRELIMINARY PROJECT SCHEDULE

Class of Action Determination

This step is very important to how the project progresses and must be completed prior to the initiation of the preparation of the environmental document. The GEC Team will provide LADOTD with all documents and information obtained in prior steps and assist as needed to confirm the class of action with FHWA. Dependent upon the class of action, The GEC Team will either prepare the logical termini and the project limits or a study area map for approval by FHWA. The GEC Team is knowledgeable of the process for both EA's and CE's. The below methodology details scope items typically required for an EA and understands that if the class of action is a CE, then a draft CE document will be developed for review and approval by LADOTD and FHWA and that no distribution is necessary for a CE. The GEC Team will assist LADOTD in preparing the initiation letter, which officially marks the start of the NEPA Process. The GEC Team will ensure this phase complies with CEQ requirements by completing it within 1 year of the initiation date.

Environmental Documentation

The GEC Team has already prepared the standard template and table of contents for LADOTD-FHWA EA and CE Documents in accordance with FHWA T6640.8A, which provides guidance on the format and content. The GEC Team understands that all efforts preceding this task is vital information that will be summarized in the final document and will continuously update the relevant document sections as they are completed throughout the project process to expedite the project schedule. The results from each of the technical studies, alternatives analysis, impacts, impacts matrix/summary, stakeholder outreach, and all efforts performed prior to this stage will be summarized in the relevant sections. A summary of permits, mitigation, and commitments will be developed. The document will summarize the existing conditions and environmental effects associated with the alternatives and the No-Build including, but not limited to the following topics: land use, farm land, wetlands, water resources, floodplains, T&E species, aesthetics, hazardous waste/materials, traffic, REC's, air and noise quality, cultural resources, historic properties, socioeconomics, community impacts, environmental justice, relocations, Section 4(f) and 6(f), utilities, indirect, cumulative, and construction impacts. For all identified unavoidable adverse impacts, GEC will justify these impacts and define measures to minimize impacts.

Draft EA will be reviewed by the lead & cooperating federal agencies & is typically 30 days. Based upon the comments received, responses to comments will be prepared and the comments will be addressed & submitted to FHWA for distribution approval. Following approval, a Notice of Availability (NOA) will be published in newspapers and sent to stakeholders identified in the PIP, and the EA will be made available at libraries, DOTD District Office, online, & other relevant locations for public & agency review. Comments are typically solicited for a minimum of 30 days after the first publishing of the NOA.

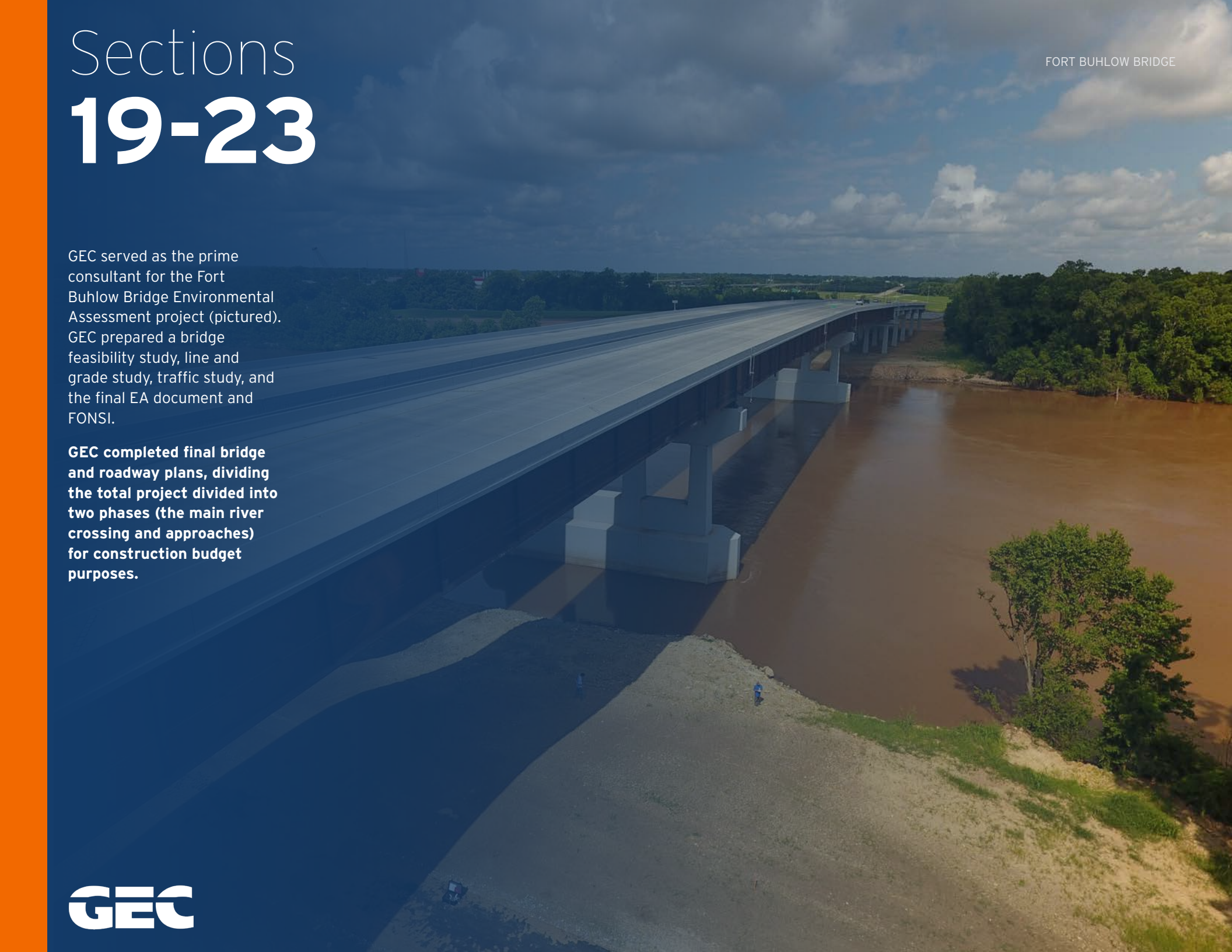
Public Hearing

Upon approval of the document, The GEC Team will distribute the EA and advertise its availability. To minimize the number of advertisements and to expedite the project, The GEC Team can also publish the notice of Public Hearing along with the NOA. The Public Hearing will be arranged to have a presentation station, exhibit station, sign in station, comment station, and any other station that may be necessary. Comments will be documented in a matrix and in the public hearing transcript, which will be prepared and distributed as needed.

Decision Document

GEC will prepare the Final Environmental Assessment and Draft FONSI for LADOTD and FHWA review and approval, distribute the NOA on the FONSI, and provide final documents for the official record.

Sections 19-23



FORT BUHLOW BRIDGE

GEC served as the prime consultant for the Fort Buhlow Bridge Environmental Assessment project (pictured). GEC prepared a bridge feasibility study, line and grade study, traffic study, and the final EA document and FONSI.

GEC completed final bridge and roadway plans, dividing the total project divided into two phases (the main river crossing and approaches) for construction budget purposes.

19. Workload

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
G.E.C., Inc.	Other (Program Management)	4400016958	**Road Transfer Program Management, Statewide (NOTE: The Average Annual billing is approximately $290,000/year. This billing represents 1 person stationed at DOTD. Thus, unlikely to bill this entire remaining balance. Program Management ONLY – NO Planning, Road or Bridge Design work)**	1,556,853
G.E.C., Inc.	Road, Bridge, ITS, Environmental, & Other	H.004273.5	**I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange)** *(Sub to Stantec)* **(NOTE: Work limited to project control scheduling, environmental and structural work performed to support the supplemental Environmental Assessment)** (Geometrics ($70,810) Bridge Study ($44,761), Environmental ($17,626), ITS ($19,447), Program Management ($65,558), Electrical ($301,419) & Implementation Strategies (20,739))	540,360
G.E.C., Inc.	Bridge, ITS & Other	H.004100	**I-10 Baton Rouge Widening CMAR Segment 1** *(Sub to Huval)* (Bridge ($129,693), ITS ($93,764), Project Management ($261,514), Retaining Walls ($63,575), Sound Walls ($73,612) & Electrical ($527,040))	1,149,198
G.E.C., Inc.	Road, Bridge, ITS & Other	H.013897	**I-10 & I-12 College Drive Flyover Ramp Design-Build Project** *(Sub to Boh Bros.)* (Road ($209,160), Bridge ($174,800), ITS ($10,885), Sound Walls ($44,640) & Electrical ($34,115)	473,600
G.E.C., Inc.	Bridge	H.008145.5	**Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services** (Sub to HNTB)	219,878
G.E.C., Inc.	Bridge & Other	H.003074.5	**Williams Blvd – Veterans Blvd., Route I-10** (Bridge ($148,795), Electrical ($54,012))	202,807
G.E.C., Inc.	Bridge	4400025040 H.015342	**Infrastructure Investment and Jobs Acts (IIJA), Off-System Bridge Program, District 61**	14,602
G.E.C., Inc.	Other (Electrical)	4400011354	**IDIQ Contract for Electrical Statewide**	
		H.013442.6	I-10: Crowder Boulevard Interstate Lighting	47,103
		H.013617.5	I-10: I-610E Interchange Lighting	37,334
		H.013617.6	I-10: I-610E Interchange Lighting	188,429
		H.014552.5	I-49: LA 31 Interchange Lighting (Opelousas) Task Order No. 2	307,724
		H.014556.5	I-49: US 190 Interchange Lighting (Opelousas) Task Order No. 3	332,407
		H.014557.5	I-49: Judson Walsh Drive Interchange Lighting (Opelousas) Task Order No. 4	326,898
G.E.C., Inc.	Other (Electrical)	H.004774.5, H.007300.6	**Kansas Lane - Garrett Road Connector and I-20 Improvements** *(Sub to Lazenby)*	40,816
G.E.C., Inc.	Other (Electrical)	4400005660	**Retainer Contract for Electrical Services** *(Sub to Buchart-Horn)*	
		H.012874.6	I-55: LA 22 Interstate Lighting	20,153
G.E.C., Inc.	CE&I/OV	440013710	**Retainer Contract for CE&I, Statewide with the Majority of Work in District 03**	
		H.003014.6	I-10 Widening and Reconstruction (LA 37 to ATCR BR.) St. Martin and Lafayette Parishes	6,697
G.E.C., Inc.	CE&I/OV	4400023074	**IDIQ for CE&I Services and Staff Augmentation, District 61**	
		H.010724.6	Pecan Island Road Over the Chenal, Pointe Coupee Parish	4,065
		H.012465.6	Dist 61 Flashing Yellow Arrow Part 3	427,335
		H.010960.6	LA 30 Roundabouts at Tanger Mall and I-10	675,975
		H.014694.6	LA 426: LA 73 - Sherwood Forest	246,338
G.E.C., Inc.	CE&I/OV	H.011670.6	**I-10/Loyola Interchange Improvements, Jefferson Parish**	106,638

G.E.C., Inc.	CE&I/OV	4400019950	**IDIQ for CE&I, Statewide, with Majority of Work in District 03**	
		H.002735.6	Bayou Vermillion Bridge	32,209
		H.003003.6	I-10: I-49 - LA 328	302
		H.002868.6	I-49 S: Amb Caffery / US 90 Interchange	950,367
G.E.C., Inc.	CE&I/OV	440014315	**Retainer Contract for Painting Inspection & Environmental Monitoring with CE&I, Statewide** *(Sub to GPI)*	
		H.010000.6	US 171: Calcasieu River Bridge Repairs	144,096
G.E.C., Inc.	Other (DOTD Support Services)	4400017329	**Retainer Contracts for Innovative Procurement and Alternative Delivery Support Services** *(Sub to HNTB)* (No Task Orders Issued) **(NOTE: No work expected for GEC under this Contract.)**	N/A

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
Neel-Schaffer	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	$60,645
Neel-Schaffer	Environmental	H.000284.2	US 90 Pearl River Bridges, Route US 90, Saint Tammany Parish (PRIME)	$16,239
Neel-Schaffer	Traffic	H.014044.1	US 80: Intersection @ Bellevue Road, Route US 80	$959
Neel-Schaffer	ITS	H.004780.5 EWL No. 6	Kansas Lane Connector	$5,644
Neel-Schaffer	Traffic	SPN 4400010428 S.A. #4	Kansas Lane - Garrett Road Connector and I-20 Improvements (SUB)	$3,501
Neel-Schaffer	ITS	SPN 4400010428 EWL #3	Kansas Lane - Garrett Road Connector and I-20 Improvements (SUB)	$4,292
Neel-Schaffer	Road	H.013713.1	Safety Projects: LA 60 Bogalusa H.S. Ped Improvements	$1,230
Neel-Schaffer	Road	H.009290.5	LSU Lab School SRTS Project	$50,597
Neel-Schaffer	Planning	H.972374.1	Local Public Agency Documented Planning Process, Statewide	$106,429
Neel-Schaffer	Road	H.010616	I-20: LA 544 Overpass Replacement	$135,165
Neel-Schaffer	ITS	H.013256.6	ITS: I-10 ITS Scott to Lake Charles Technical Support Services During Construction	$19,658
Neel-Schaffer	ITS	H.012384.5	ITS Fiber Management System Data Collection	$51,098
Neel-Schaffer	ITS	H.011504.5	Alexandria ITS Phase 2	$153,197
Neel-Schaffer	Traffic	H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	$21,269
Neel-Schaffer	Traffic	H.013766.5	Local Road Signs & Striping (Caddo) (SUB)	$1,109
Neel-Schaffer	Traffic	H.014579.5	FYA Signal Improvements (LCG)	$5,911
Neel-Schaffer	Traffic	H.013622.5	LRSP Ardenwood Dr. Road Diet	$93,473
Neel-Schaffer	Traffic	H.014746.1	LA 383 Corridor Study	$236,487

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
Arcadis	CE&I/OV	H.011220.6-1	I-10 CBD2 Carrollton-Lafitte Ave and Supplement Nos. 1 & 2	$151,998
Arcadis		H.013710.6	I-10: US 61 to Laplace ITS Deployment	$427,835
Arcadis		H.012018.6	Adaptive Traffic Signal Design and Implementation	$17,741
Arcadis		H.012901.6, H.010634.6	US 90Z (Bodenger Blvd. – Stumpf Blvd.)	$281,551

Arcadis	Traffic	H.011328.2	I-49 South (Ricohoc to Berwick)	$172,040
Arcadis		H.012889.5	I-20 Rehab (Pines Road to I-220)	$80,568
Arcadis		H.003370	I-220/I-20 Interchange IMP & BAFP Access Design Build	$15,000
Arcadis		H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$393,865
Arcadis		H.005121	LA 1/LA 415 Connector	$105,842
Arcadis		H.972419.1	SHSP Update and Regional SHSP Marketing/Advertising Support	$6,957
Arcadis		H.013797	LA 30: EBR PL – I-10	$442,095
Arcadis		H.000413	Cross Bayou Bridge Replacement	$138,479
Arcadis	ITS	H.013868.5	ITS Program Management and Operations (2022)	$300,373
Arcadis		H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) (2022)	$412,489
Arcadis		H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I) (2022)	$105,511
Arcadis		H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$152,463
Arcadis	Bridge	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$724,203
Arcadis		H.000413	Cross Bayou Bridge Replacement	$160,841
Arcadis	Road	H.011328.2	I-49 South (Ricohoc to Berwick)	$344,080
Arcadis		H.010116.5	LA 1088: Soult and Trinity Roundabouts	$83,268
Arcadis	Environmental	H.009932	US 80 Widening: Vancil Road to Well Road Environmental Assessment	$5,343
Arcadis		H.002397.2	LA 16 (Pete's Hwy) Interstate 12 Interchange Route	$20,109
Arcadis		H.011328.2	I-49 South (Ricohoc to Berwick)	$807,263
Arcadis		4400019338	Rural Bridge Replacement Initiative Phase II – Multiple State Project Numbers – Districts 02, 03 ,07, 61, and 62	$163,395

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
Gulf South Research Corporation	Cultural Resources	4400014188	IDIQ Contract for Cultural Resources Services	N/A
Gulf South Research Corporation	Environmental Documentation	4400015812	IDIQ Contract for Environmental Services Statewide	N/A
Gulf South Research Corporation		40000099	Retainer Contract for Right of Way Forestry	N/A

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
The Lakvold Group, LLC	Appraisal	H.004100	I-10: LA 415 to Essen on I-10 and I-12, East Baton Rogue	$106,200
The Lakvold Group, LLC	Appraisal	H.011670	I-10/Loyola Interchange Improvements, Jefferson Parish	$12,000

20. Certifications/Licenses

INDEX OF INCLUDED CERTIFICATIONS BY EMPLOYEE	GEC								NEEL-SCHAFFER								GSRC					Lakvold	
	Jeff Robinson	Bliss Bernard	Laura Carnes	Jerome Lohmann	Nicole Forsyth	Chris Nipper	Logan Michel	Brandon Abbott	Charles LeBoeuf	Dishili Young	Ellen Howard	Jonathan Duhe	Nick Ferlito	Ronald "Kirk" Gallien	Santosh Andem	Vijay Kunada	Suna Adam	Elizabeth Hunt	John Lindemuth	Bretton Somers	FIRM CERTIFICATE	Angela Lakvold	FIRM CERTIFICATE
Minimum Personnel Requirement	1,2	1,2,4	4	3															5	5			
Section 106 of the National Historic Preservation Act course			•															•	•	•			
NHI course No. 142005, "National Environmental Policy Act and Transportation Decision Making"	•	•	•		•												•						
Secretary of Interior's qualifications for historic preservation																		•	•	•			
Right of Way - Appraisal																						•	
Professional Archaeologist																		•		•			
ATSSA – Traffic Control Technician		•																					
ATSSA – Traffic Control Supervisor		•																•	•				
LADOTD TEPR – Module 1		•				•	•	•	•	•	•	•	•	•	•	•							
LADOTD TEPR – Module 2		•				•	•	•	•	•	•	•	•	•	•	•							
LADOTD TEPR – Module 3		•				•	•	•	•	•	•	•	•	•	•	•							
DBE Certifications																					•		•
ADDITIONAL CREDENTIALS (certifications not included)																							
Professional Engineer	•	•		•		•	•		•	•	•	•	•	•	•	•							
Professional Traffic Operations Engineer										•	•	•	•	•	•	•							

Jeffrey Robinson

Certificate of Attendance

presented to

Jeff Robinson

for attending the

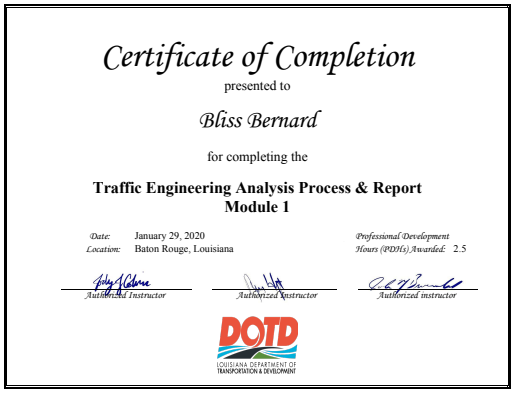
National Environmental Policy Act (NEPA) and Transportation Decision Making

and for having been awarded 18 Professional Development Hours

December 3- 5, 2002 (Date) | Baton Rouge, LA (Location) | Sandra Romero (Authorized By)

LTRC Louisiana Transportation Research Center

Bliss Bernard



Certificate of Completion

presented to

Bliss Bernard

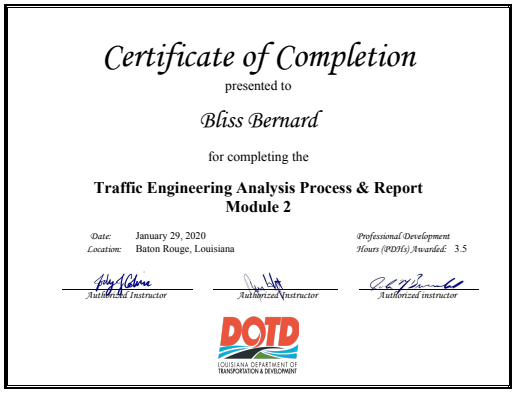
for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: January 29, 2020
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

Bliss Bernard

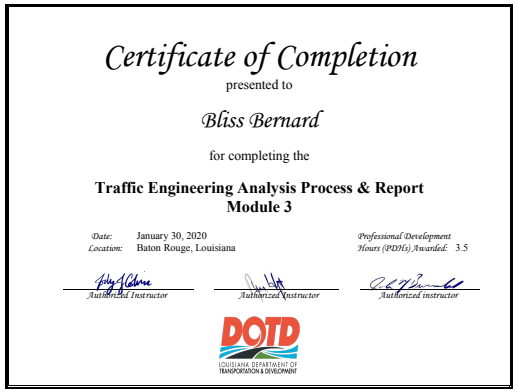
for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: January 29, 2020
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

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bliss K Bernard
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

3/12/2021 to 3/12/2021 (Date) — Director of Training
Baton Rouge, LA (Location) — President, CEO

ATSSA

ATSSA

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Bliss Bernard
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 2/17/2025 State Issued in LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

U.S. Department of Transportation Federal Highway Administration

National Highway Institute

NHI

Certificate of Training

Bliss Kelley

has participated in

FHWA - NHI Course No. 142005
NEPA and the Transportation Decision-making Process (3 Days)

hosted by

LA DOTD/LTRC

Date: December 8-10, 2015
Location: Baton Rouge, LA
Hours of Instruction: 18

Instructor | Local Coordinator

Instructor | Valerie Briggs, Director, National Highway Institute

Laura Carnes

National Highway Institute

Certificate of Training

Laura Carnes

has participated in

NEPA and Transportation Decision Making

hosted by

LA DOTD/LTRC

Date: March 4-6, 2008 *Hours of Instruction:* 18

Location: Baton Rouge, Louisiana

Instructor

Instructor

Sandra Romero
Local Coordinator

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

National Highway Institute

Certificate of Training

Laura Carnes

has participated in

Beyond Compliance:
Historic Preservation in Transportation Project Development

hosted by

LA DOTD/LTRC

Date: October 9-11, 2007 *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

Nicole Forsyth

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Nicole Forsyth

has satisfactorily completed training in

National Environmental Policy Act (NEPA)
And Transportation Decision Making
conducted by

National Highway Institute

Location: Baton Rouge, LA *Hours of instruction:* 18

Date: August 20-22, 2002 *Continuing Education Units:* 1.8

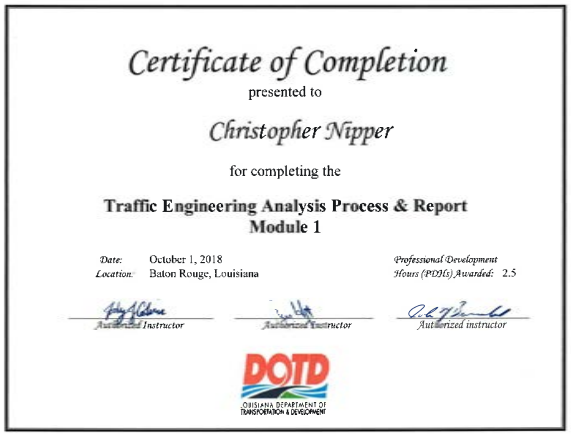
Instructor

Coordinator

Director, National Highway Institute
Federal Highway Administration

Director, Office of Professional Development
Federal Highway Administration

Chris Nipper



Certificate of Completion

presented to

Christopher Nipper

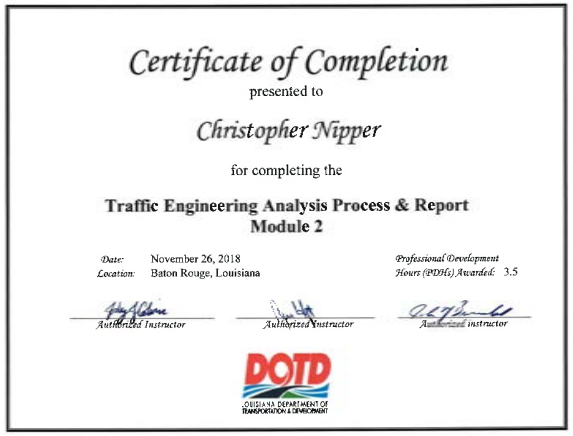
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Christopher Nipper

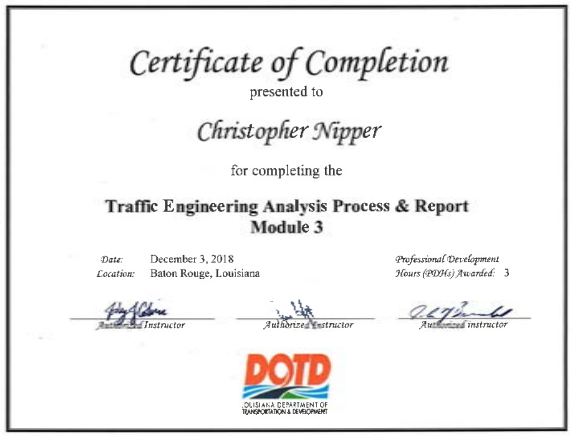
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: November 26, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Christopher Nipper

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Logan Michel

Certificate of Completion

presented to

Logan Michel

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

Certificate of Completion

presented to

Logan Michel

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

Certificate of Completion

presented to

Logan Michel

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

Brandon Abbott

Certificate of Completion

presented to

Brandon Abbott

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Brandon Abbott

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Brandon Abbott

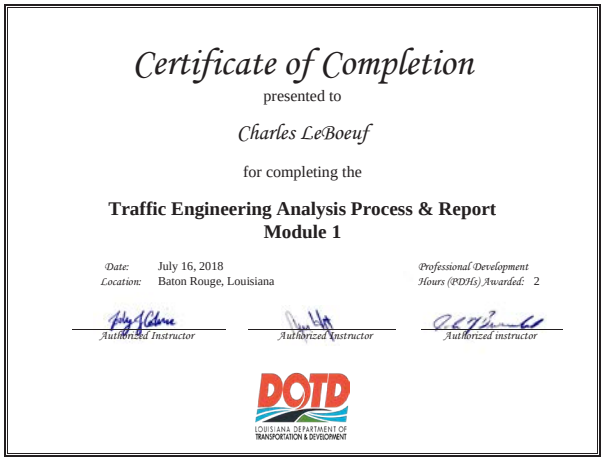
for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Charles LeBoeuf



Certificate of Completion

presented to

Charles LeBoeuf

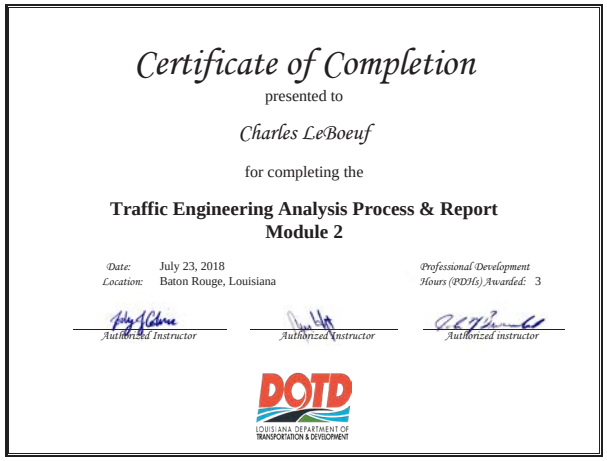
for completing the

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

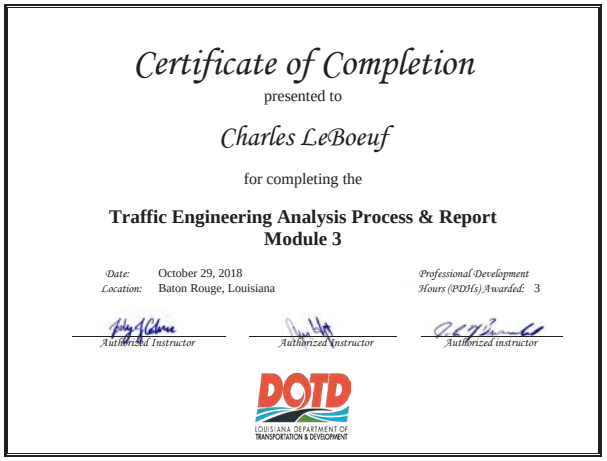
for completing the

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

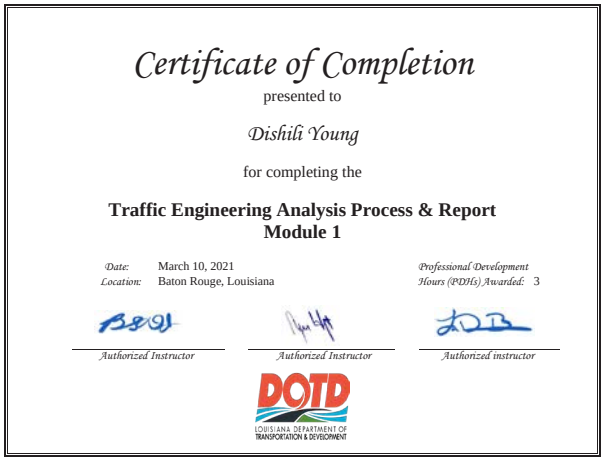
Traffic Engineering Analysis Process & Report
Module 3

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

Dishili Young



Certificate of Completion

presented to

Dishili Young

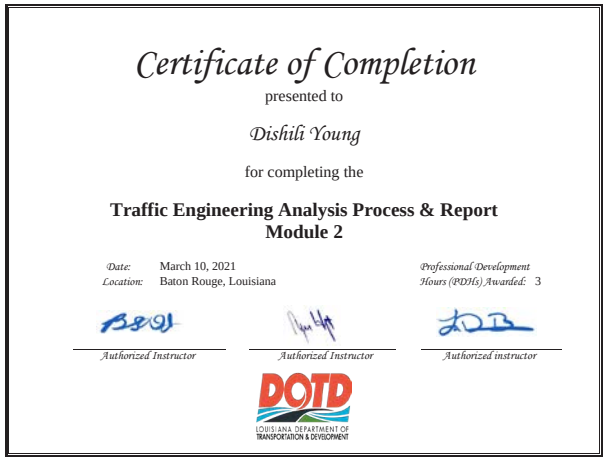
for completing the

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

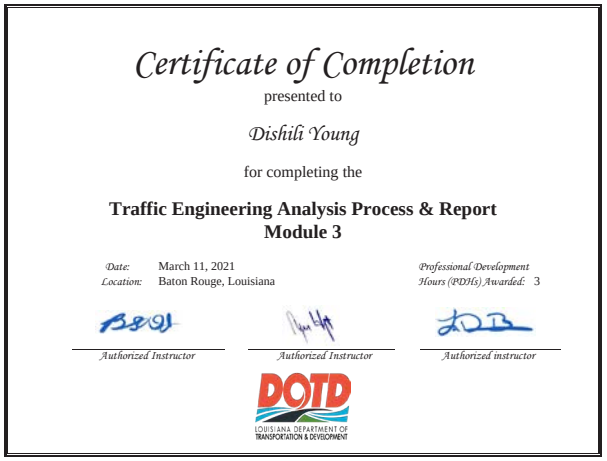
for completing the

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



Certificate of Completion

presented to

Dishili Young

for completing the

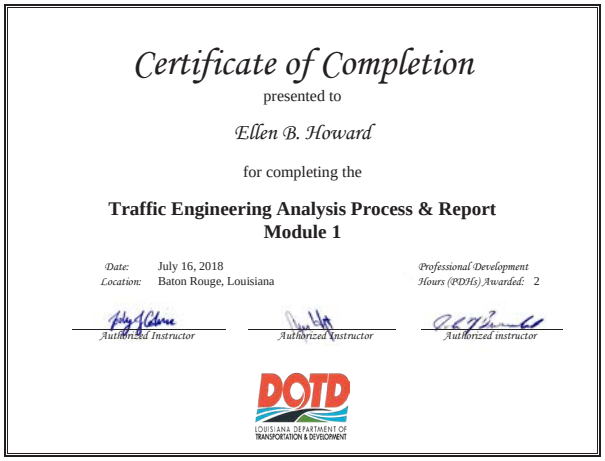
Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Ellen Howard



Certificate of Completion

presented to

Ellen B. Howard

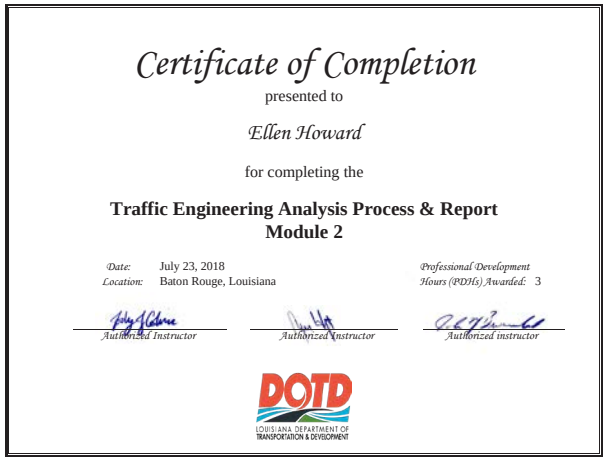
for completing the

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

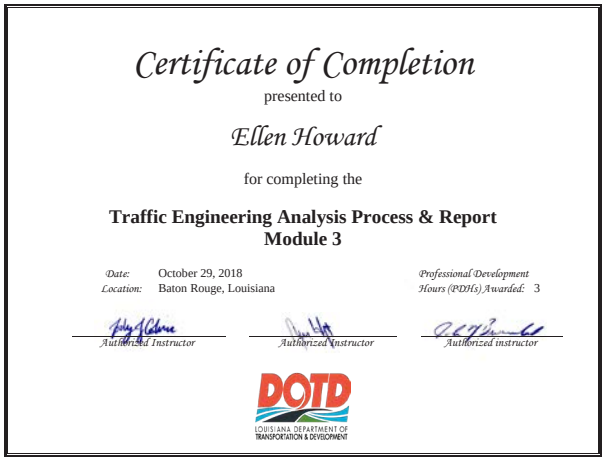
for completing the

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

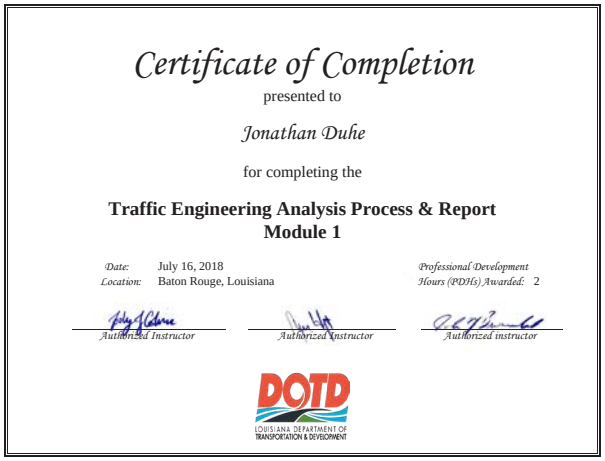
Traffic Engineering Analysis Process & Report
Module 3

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

Jonathan Duhe



Certificate of Completion

presented to

Jonathan Duhe

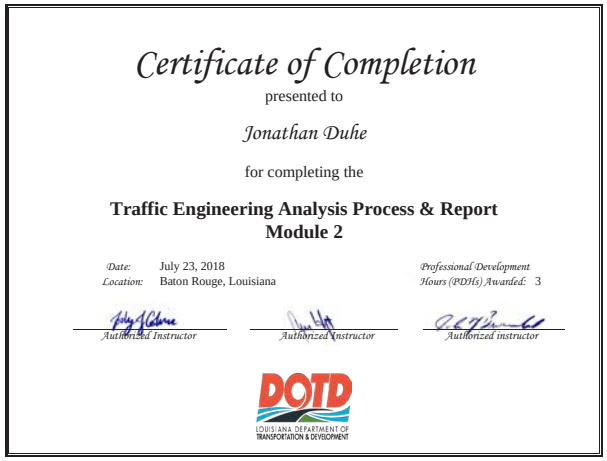
for completing the

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

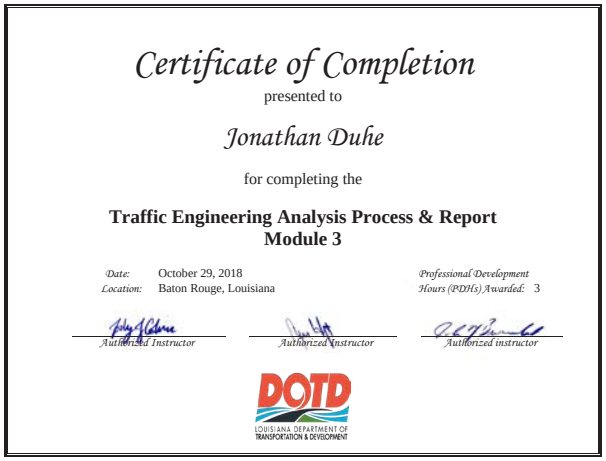
for completing the

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

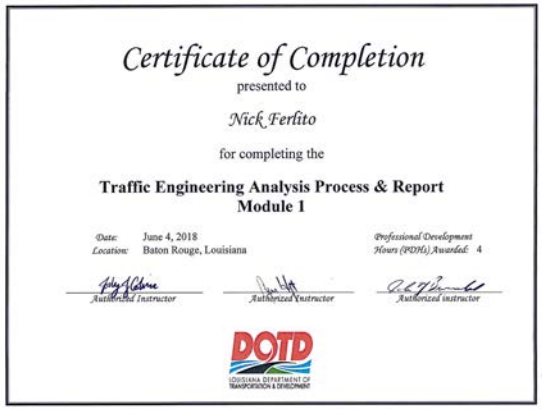
Traffic Engineering Analysis Process & Report
Module 3

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

Nick Ferlito



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

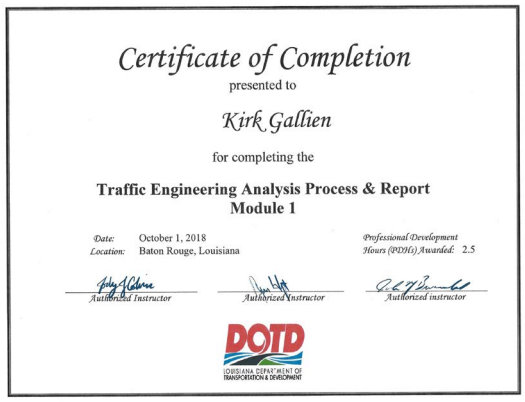
Traffic Engineering Analysis Process & Report
Module 3

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

Ronald "Kirk" Gallien



Certificate of Completion

presented to

Kirk Gallien

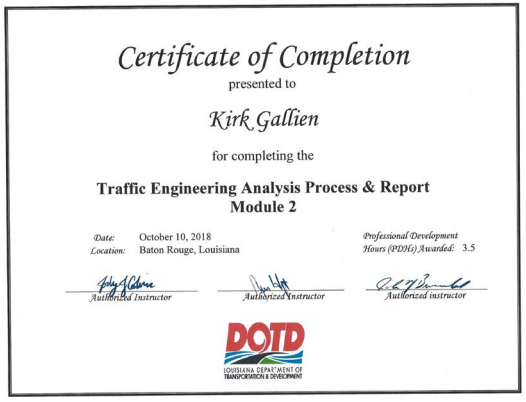
for completing the

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

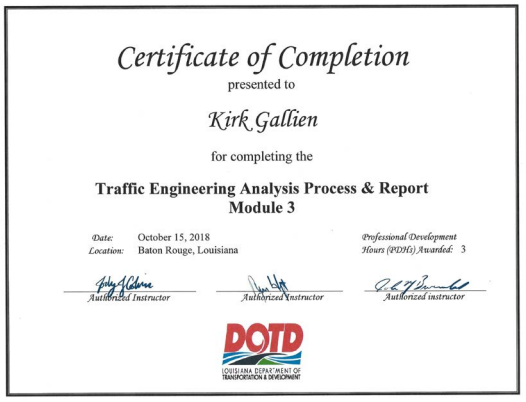
for completing the

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

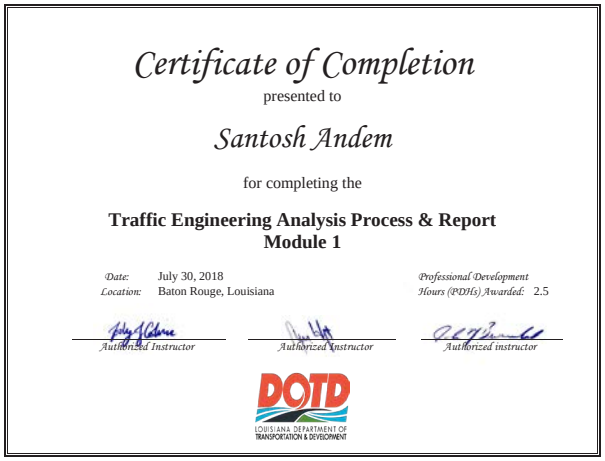
Traffic Engineering Analysis Process & Report
Module 3

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

Santosh Andem



Certificate of Completion

presented to

Santosh Andem

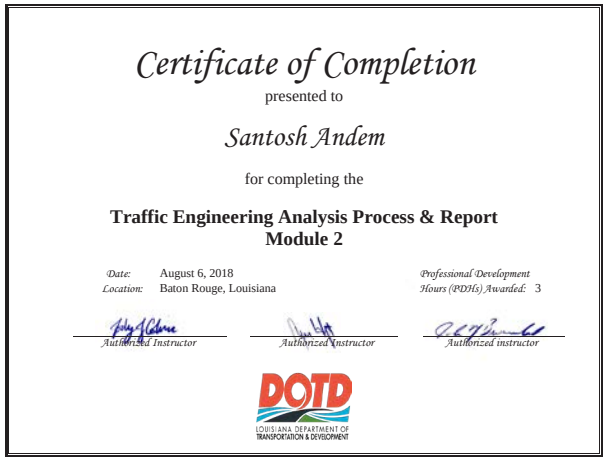
for completing the

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

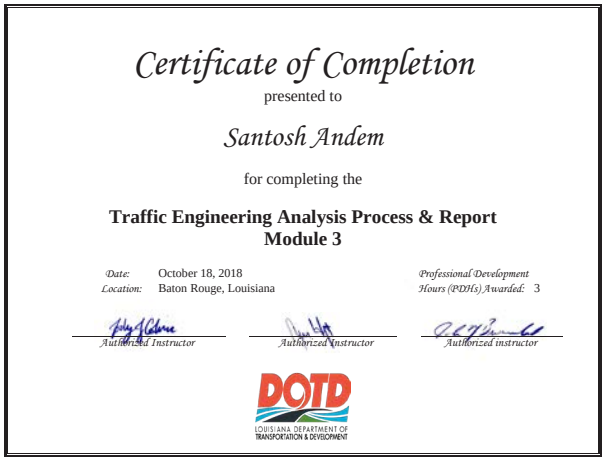
for completing the

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

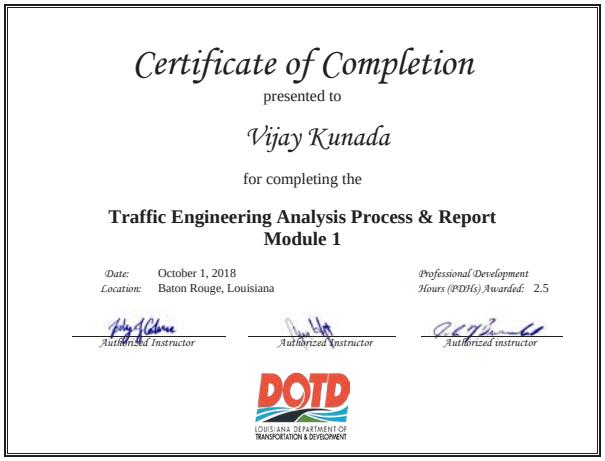
Traffic Engineering Analysis Process & Report
Module 3

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

Vijay Kunada



Certificate of Completion

presented to

Vijay Kunada

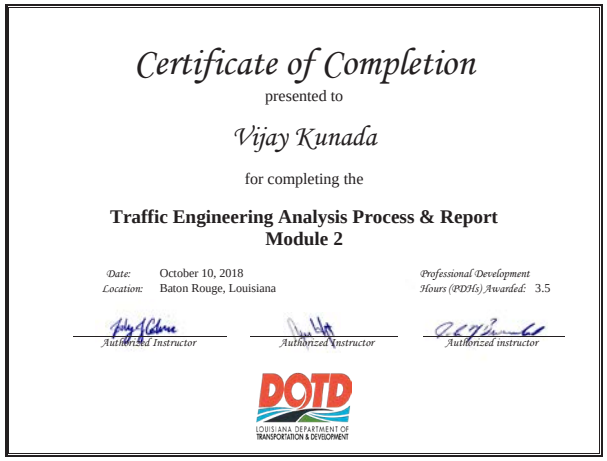
for completing the

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

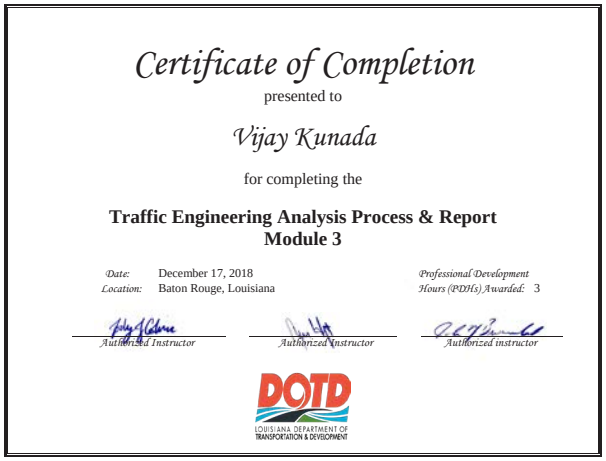
for completing the

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

Angie Lakvold

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations & under the State of Louisiana United Certification Program (LAUCP)

Lakvold Group, LLC

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC531320

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: July 2022 to July 2023

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

Suna Adam

Certificate of Attendance

presented to

Suna Adam Knaus

for attending the

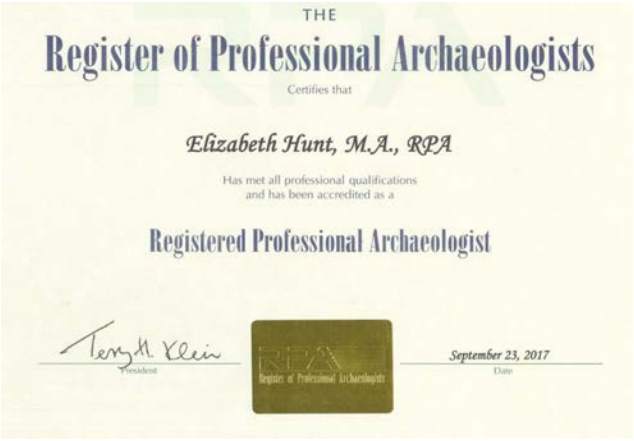
National Environmental Policy Act (NEPA) and Transportation decision Making

and for having been awarded 15 Professional Development Hours

April 30 - May 2, 2003 (Date) | Baton Rouge, LA (Location) | Sandra Ramos (Authorized By)

LTRC
Louisiana Transportation Research Center

Elizabeth Hunt



THE
Register of Professional Archaeologists
Certifies that

Elizabeth Hunt, M.A., RPA

Has met all professional qualifications
and has been accredited as a

Registered Professional Archaeologist

President

September 23, 2017
Date

ACHP

Certificate of Completion

THIS ACKNOWLEDGES THAT

Elizabeth Hunt

has successfully completed the eight-hour digital classroom course

THE SECTION 106 ESSENTIALS

November 10–13, 2020

REID NELSON
DIRECTOR
OFFICE OF FEDERAL AGENCY PROGRAMS

KATRY HARRIS, TRAINING SPECIALIST
SARAH STOKELY, PROGRAM ANALYST
INSTRUCTORS

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Elizabeth Hunt
has attended
Traffic Control Supervisor-LA State Specific
Training Course

3/10/2021 to 3/11/2021
Date

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA

John Lindemuth

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

John Lindemuth
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

9/25/2020 to 9/25/2020
Date

Vice President of Member Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

University of Nevada, Reno
Heritage Resources Management Program

This will verify that

John Lindemuth

has successfully completed

Introduction to Section 106 Review

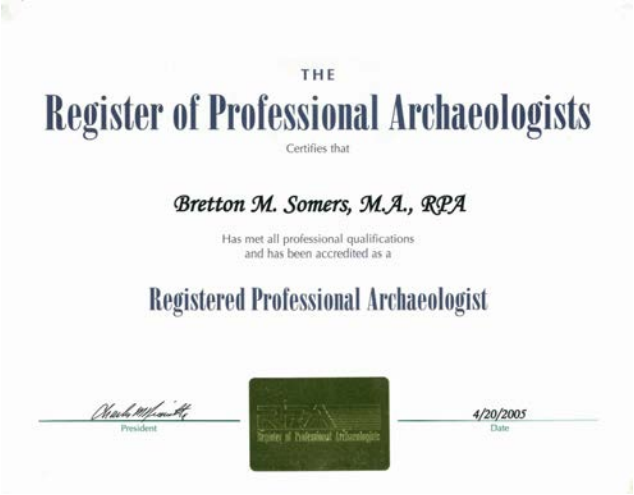
Phoenix, Arizona
June 18-19, 2002

Associate Vice President & Dean, College of Extended Studies

Instructor

Program Director

Bretton Somers



THE

Register of Professional Archaeologists

Certifies that

Bretton M. Somers, M.A., RPA

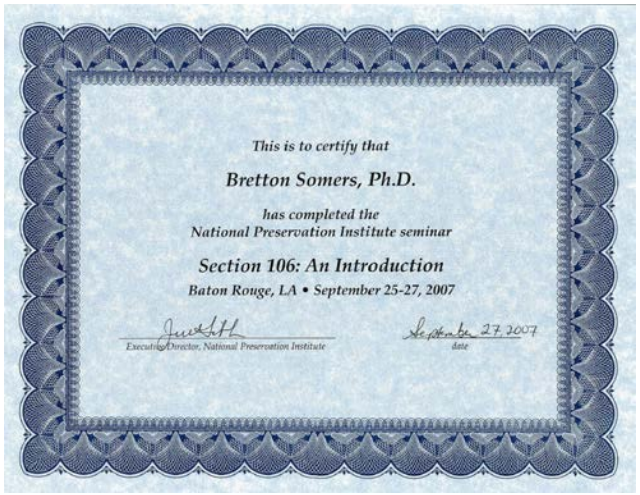
Has met all professional qualifications
and has been accredited as a

Registered Professional Archaeologist

President

Register of Professional Archaeologists

4/20/2005
Date



This is to certify that

Bretton Somers, Ph.D.

has completed the
National Preservation Institute seminar

Section 106: An Introduction

Baton Rouge, LA • September 25-27, 2007

Executive Director, National Preservation Institute

September 27, 2007
date

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations & under the State of Louisiana United Certification Program (LAUCP)

Gulf South Research Corporation

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC541620

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: June 2022 to June 2023

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

21. QA/QC Plan and/or Work Plan

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

Per advertisement instructions, GEC will submit a QA/QC plan to the DOTD PM within 10 business days of the award notification.

22. Sub-consultant Information

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

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Neel-Schaffer, Inc.	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810	Nick Ferlito, Jr., PE, PTOE Nick.ferlito@neel-schaffer.com	225-924-0235
Arcadis	10352 Plaza Americana Drive Baton Rouge, LA 70816	Akhil Chauhan, PE, PTOE, PMP, PTP Akhil.chauhan@arcadis.com	504-232-9820
Gulf South Research Corporation	8081 Innovation Park Drive Baton Rouge, LA 70820	Suna Adam suna@gsrcorp.com	225-757-8088
The Lakvold Group, LLC	4520 Jamestown Avenue, Suite 1, Baton Rouge, LA 70808	Angela Lemoine-Lakvold angie@thelakvoldgroup.com or angielakvold@cox.net	225-248-9984

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.

ENGINEERING THE FUTURE

Sherri LeBas, PE
slebas@gecinc.com
(225) 612-4107