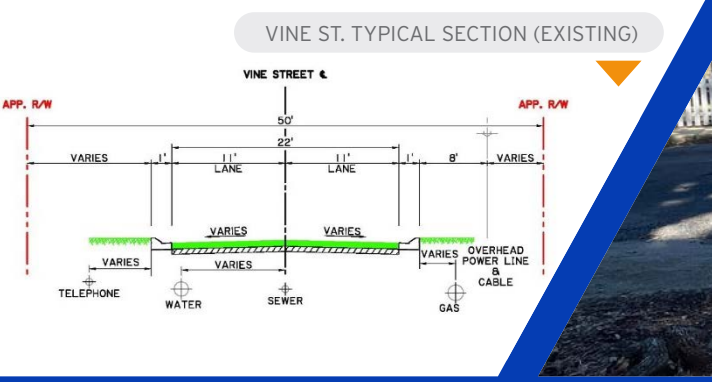
Statement of Qualifications

CONTRACT NO. 4400025047, STATE PROJECT NO. H.011358.2

CONTRACT FOR US 190 (VINE STREET) RECONSTRUCTION



November 1, 2022

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	**CONTRACT FOR US 190 (VINE STREET) RECONSTRUCTION**
2.	Contract number(s) as shown in the advertisement	4400025047
3.	State Project Number(s), if shown in the advertisement	H.011358.2
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: November 1, 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%**
	Gulf South Research Corporation	**5%**

Sections 12-13

LADOTD's Nicholas Olivier, P.E., 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 DESIGN PROJECT, US 11 AT SCHNEIDER CANAL, SLIDELL

GEC

12. Past Performance Evaluation Discipline Table

Evaluation Discipline	% of Overall Contract	G.E.C., Inc. (GEC) (**Prime**)	Arcadis	Intelligent Transportation Systems LLC (ITS LLC)	Buchart Horn, Inc.	T. Baker Smith, LLC	DBE FIRM Gulf South Research Corporation (GSRC)	DBE FIRM The Lakvold Group, LLC
Planning	30.00%	90.00%	5.00%		5.00%			
Environmental	25.00%	70.00%	5.00%		5.00%		20.00%	
Road	22.00%	75.00%	15.00%		10.00%			
Traffic	15.00%		40.00%	60.00%				
Appraiser	3.00%							100.00%
Other (Utilities/SUE)	5.00%					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%	61.000%	12.050%	9.000%	4.950%	5.000%	5.000%	3.000%

13. Firm Size

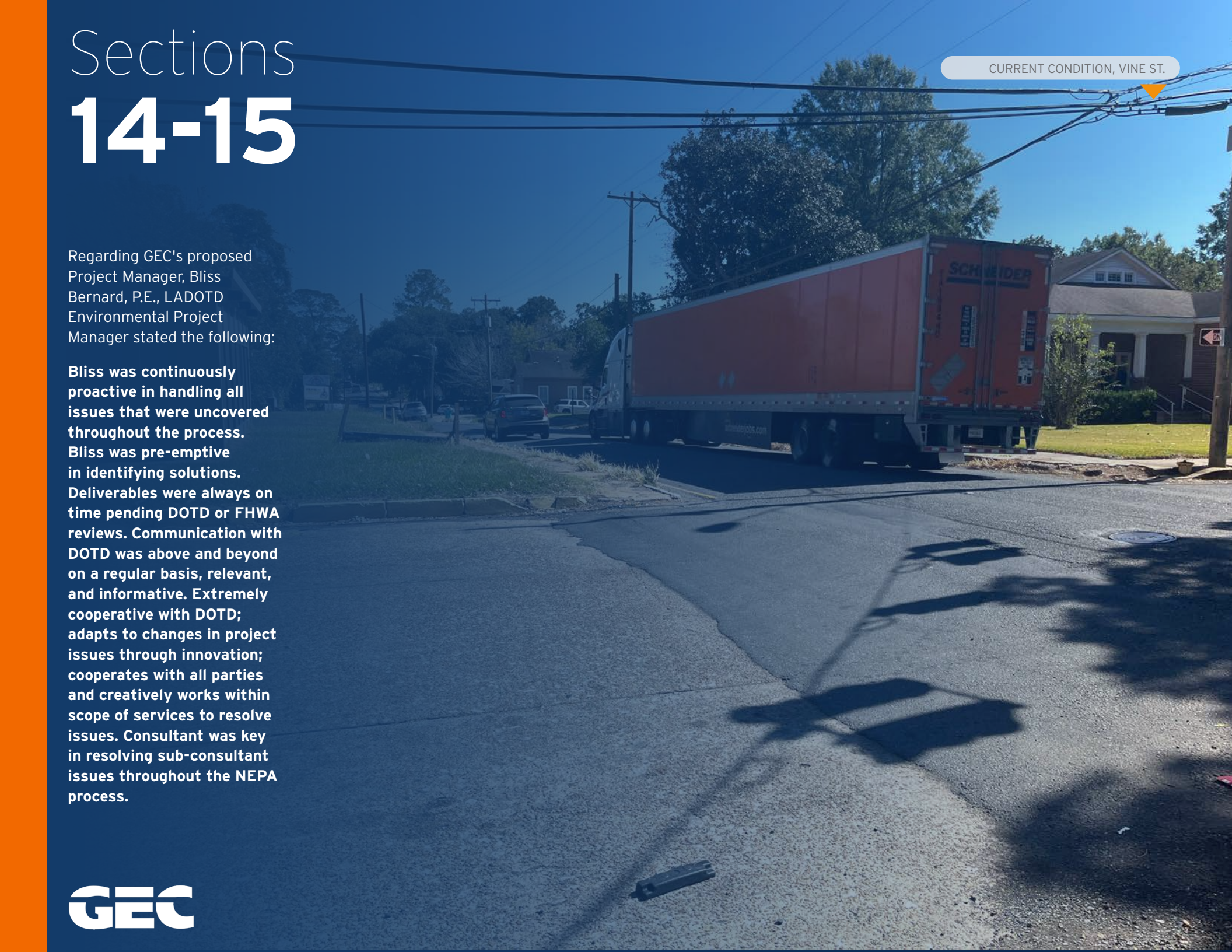
Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
G.E.C., Inc.	Principal	2	3
	Supervisor - Eng	4	4
	Supervisor - Other	1	1
	Technician	1	2
	Engineer Intern	1	2
	Environmental Professional	1	2
	Environmental Manager	2	2
	Engineer	4	5
	Clerical	1	2
	Biologist / Wetlands	2	2
	Economist	1	1
Arcadis	Environmental Manager	1	4
	Environmental Pro	2	4
	Principal	1	4
	Engineer	5	8
	Supervisor Engineer	3	4
Intelligent Transportation Systems LLC	Principal	1	2
	Supervisor Engineer	2	2
	Engineer	1	2
	Engineer Intern	1	1
	Technician	0	8
	Other	0	2

Buchart Horn, Inc.	Principal	1	3
	Supervisor Engineer	2	4
	Engineer	2	3
	Engineer-Other		2
	Engineer Intern	1	1
	Planner	1	1
	CADD Technician	1	1
T. Baker Smith, LLC	Supervisor – Eng	1	4
	Supervisor – Other	1	30
	Engineer	1	22
	Senior Technician	1	22
	Party Chief	1	32
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	Real Estate Appraiser	1	1

Sections 14-15

Regarding GEC's proposed Project Manager, Bliss Bernard, P.E., LADOTD Environmental Project Manager stated the following:

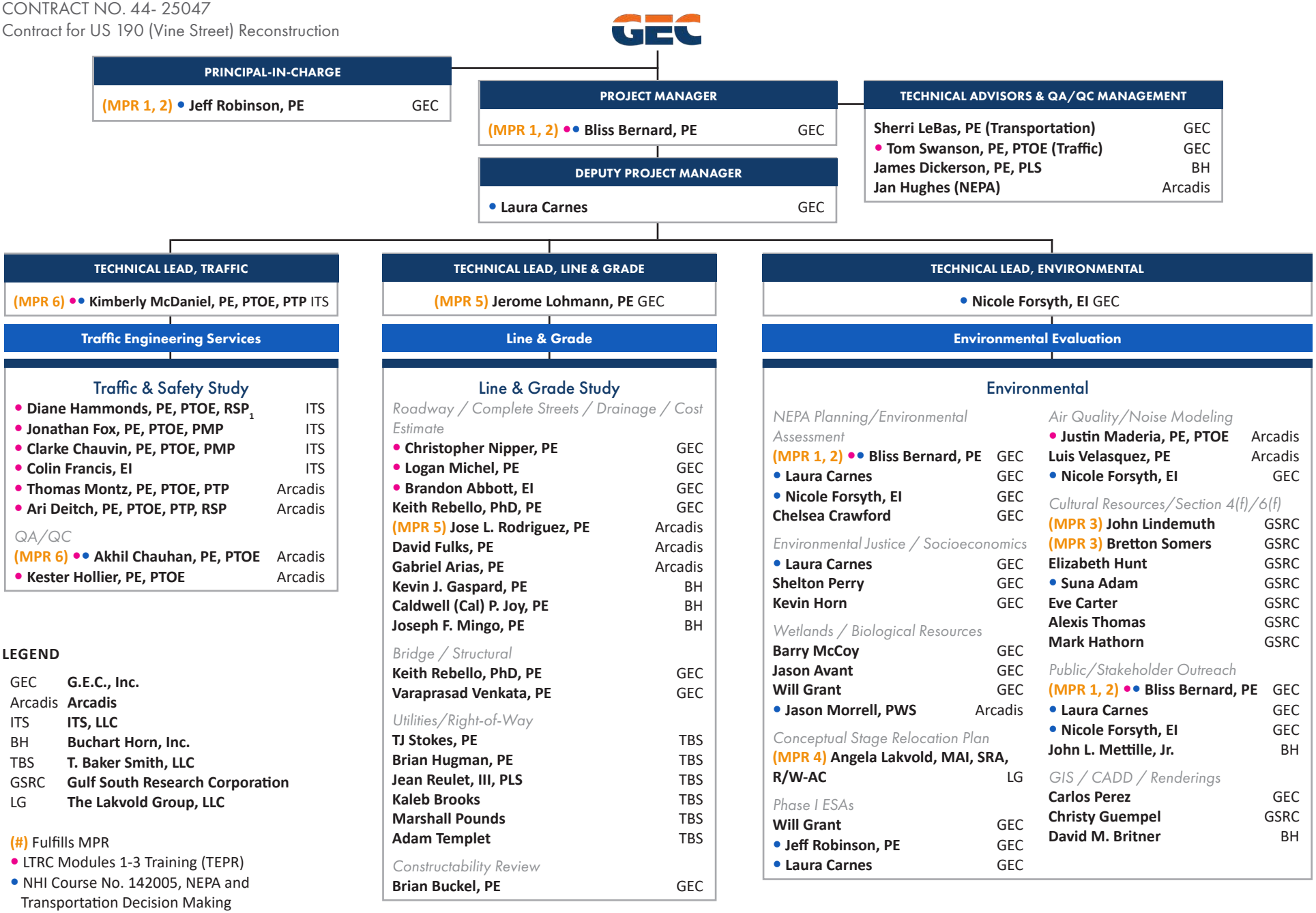
Bliss was continuously proactive in handling all issues that were uncovered throughout the process. Bliss was pre-emptive in identifying solutions. Deliverables were always on time pending DOTD or FHWA reviews. Communication with DOTD was above and beyond on a regular basis, relevant, and informative. 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.



GEC

14. Organizational Chart

CONTRACT NO. 44- 25047
Contract for US 190 (Vine Street) Reconstruction



LEGEND

GEC	**G.E.C., Inc.**
Arcadis	**Arcadis**
ITS	**ITS, LLC**
BH	**Buchart Horn, Inc.**
TBS	**T. Baker Smith, LLC**
GSRC	**Gulf South Research Corporation**
LG	**The Lakvold Group, LLC**

(#) Fulfills MPR
• LTRC Modules 1-3 Training (TEPR)
• 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	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
4	Angela Lemoine-Lakvold	THE LAKVOLD GROUP Commercial Real Estate Appraisers	Appraisal - General	Louisiana	12/31/2023
5	Jerome Lohmann, PE	GEC	PE No. 24673 (Civil)	Louisiana	03-31-2023
	Jose Rodriguez, PE	ARCADIS	PE No. 30492 (Civil)	Louisiana	03-31-2023
6	Kimberly D. McDaniel, P.E., PTOE, PTP	ITS Intelligent Transportation Systems	PE No. 32973 (Civil) PTOE No. 2072	Louisiana US	09/30/2023 10/02/2025
	Akhil Chauhan, PE, PTOE	ARCADIS	PE No. 33703 (Civil) PTOE No. 2544	Louisiana US	09/30/2024 12/2024

Section 16

The GEC Team has extensive experience in every required aspect of this project and is staffed to adequately serve LADOTD with the appropriate number of resources.

The table demonstrates total GEC Team staff committed to this contract.

DOTD Job Classification	Number of personnel committed to this contract
Archaeologist	4
Archaeologist – Tech	4
Biologist / Wetlands	2
CADD Technician	1
Clerical	3
Economist	1
Engineer	13
Engineer Intern	4
Environmental Manager	3
Environmental Professional	3
GIS Analyst	2
Historian	1
Party Chief	1
Planner	1
Principal	5
Principal – Arch	2
Real Estate Appraiser	1
Senior Technician	1
Supervisor - Eng	12
Supervisor - Other	6
Technician	1

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.

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.

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.

PERSONNEL RESUMES
Technical Advisors

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: **Technical Advisor, Transportation**	

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.

Firm employed by	**G.E.C., Inc.**		
Name	**Thomas Swanson, PE, PTOE**	Years of relevant experience with this employer	13
Title	ITS Section Manager	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		B.S. / 1992 / Civil Engineering	
Active registration number / state / expiration date		30139 / Louisiana / 09-30-2024 1016 / US / 04-10-2024	
Year registered	2002 2006	Discipline	Professional Engineer, Civil Professional Traffic Operations Engineer (PTOE)
Contract role(s) / brief description of responsibilities		Role on this Project: **Technical Advisor, Traffic**	

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. Swanson's career began over 33 years ago when he worked as an electrician for the U.S. Navy. Even though he graduated in Civil Engineering, he completed several Electrical and Power Engineering courses and much of his career has focused on Electrical Engineering since he graduated in 1992. He has over 20 years of experience with transportation planning and traffic engineering. While in GEC's Electrical Department, Mr. Swanson has provided professional engineering services associated with Stage 0 Feasibility Studies, NEPA, Environmental Assessments, traffic studies and traffic signal design, traffic data collection and analysis, traffic signal warrant analysis, traffic signal timing and optimization, design of isolated traffic signal intersections, development of traffic control devices plans and computerized signal system design and engineering projects. He has completed Transportation Management Plans (TMPs) for LADOTD lighting and ITS projects. This includes several Level 4 TMPs in accordance with all applicable standards.* ***He has completed the TEPR LTRC Modules 1-3 Training.***
2015-2016 **SECTION 17 PROJECT**	**H.007259 / FLEUR DE LIS BLVD IMPROVEMENTS: New Orleans, LA.** *Traffic Engineer* - Mr. Swanson performed a Highway Safety Analysis for this project, and designed the striping and signage for the roadway, which included crosswalks and roadside parking. GEC provided feasibility studies, environmental and NEPA services (categorical exclusion), traffic analyses, complete streets, roadway, and drainage design, utility design, permitting, and construction services for this project.
01/14-05/17 **SECTION 17 PROJECT**	**H.004987 / US 190/COLLINS BOULEVARD WIDENING (LA 25 TO US 190B) ENVIRONMENTAL ASSESSMENT: Covington, LA.** *Traffic Project Manager*- Mr. Swanson oversaw the development of the traffic study and ensured quality control for this Environmental Assessment and FONSI.
01/14-05/16 **SECTION 17 PROJECT**	**H.004983 / US 11 WIDENING (LAKE PONTCHARTRAIN-SPARTAN DRIVE) ENVIRONMENTAL ASSESSMENT: Slidell, LA.** *Traffic Project Manager* - Mr. Swanson oversaw the development of the traffic study and ensured quality control for this Environmental Assessment and FONSI. The traffic study 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.
02/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Traffic Engineer* - Mr. Swanson's responsibilities included the ITS system relocation design, and construction signage and striping (Maintenance of Traffic) and permanent signage and pavement markings. Mr. Swanson completed the construction signing/striping layout as well as permanent signing/striping.
09/19-Present	**LA SAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Traffic Engineer* - Mr. Swanson performed design of ADA-compliant pedestrian crossings at Airline Highway (US 61) and Main Street for this ongoing project. He also completed a pedestrian/traffic study for the Main Street (LA 44) corridor analyzing and observing vehicular and pedestrian traffic, to assess the need to add crosswalks.
2017	**PALMISANO BLVD. IMPROVEMENTS: Chalmette, LA.** *Traffic Engineer* - Mr. Swanson completed striping and signing for a bike path.
08/14-08/17	**CLEARVIEW PARKWAY (LA 3152) OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Traffic Engineer* - Mr. Swanson updated final signage and pavement markings and added right turn lane and signal head at Airline/Clearview.

Firm employed by	**G.E.C., Inc.**
Name	**Thomas Swanson, PE, PTOE** *Continued Resume*
04/16-10/16	**ORMOND BLVD. REHABILITATION: St Charles Parish, LA.** *Traffic Engineer* - Mr. Swanson performed traffic counts and a new roadway striping plan.
2011-2015	**LA 3152 CLEARVIEW PARKWAY CAPACITY IMPROVEMENTS: Jefferson Parish, LA.** *Traffic Engineer* - Mr. Swanson provided a study of existing alignment and recommended geometric improvements, specifically improvement of the Clearview/Airline Highway and Clearview/Mounes Ave. Intersections. Performed the Stage 0 and was involved in the Transportation Management Plan.
2007	**TRAFFIC SIGNAL / ITS STUDY AND DESIGN, DISTRICT 61, TASK 1 – LA HIGHWAY 73 AT I-10 AND LA 621: Ascension Parish, LA.** *Traffic Engineer* -Mr. Swanson provided Signal Modifications and Geometric Study. Task required conducting a traffic and transportation network analysis of LA 73/LA 621 at the I-10 interchange including project management, warrant analysis, traffic signal study, traffic signal timing and optimization, temporary work zone signage and assigned deliverables. Traffic counts, warrant analysis, field inspection of all four intersections; deliverables (report); Unsignalized intersection analysis and with signal study; Traffic Signal Study; Manual Traffic Counts; Condition Diagram and Condition Report.
2014-2016	**STAGE 0 REPORTS ON US 11, SLIDELL, LOUISIANA, US 190 COVINGTON, LOUISIANA AND CLEARVIEW PARKWAY: Metairie, LA.** *Traffic Engineer*- Mr. Swanson's responsibilities included writing the reports, performing the traffic analysis models and diagrams, as well as writing the reviews of environmental and demographic concerns for this Stage 0 Feasibility Study.

Firm employed by	**Buchart Horn, Inc.**		
Name	**James Q. Dickerson, III, PE, PLS**	Years of relevant experience with this employer	14
Title	Vice President –Southern Transportation Operations	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization		B.S. / 1974 / Civil Engineering	
Active registration number / state / expiration date		3892 / Louisiana / 09-30-2024	
Year registered	1979	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Technical 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).
	*Mr. Dickerson has more than 47 years of professional transportation engineering experience. He served as District Engineer for the Mississippi Department of Transportation's District Two, where he was responsible for coordinating the planning, designing, construction, and maintenance of the intermodal transportation network in the 17 counties of northwest Mississippi. Mr. Dickerson's areas of expertise include project management, quality assurance, constructability review, and construction engineering and inspection. Mr. Dickerson is also licensed in Mississippi.*
02/16 – 01/17	**STAGE 0 STUDY, EAST VINE STREET (US 190), LADOTD:** Opelousas, LA. BH performed a Stage 0 Study to evaluate the feasibility of resolving subsurface utility, clear zone, and roadway corridor inadequacies along East Vine Street (US 190) for approximately 2.10 miles from the intersection of LA 104 and US 190 to the merge of East Vine Street and East Landry Street. Principal-in-Charge with quality control oversight.
02/2 – Ongoing	**HOUMA-THIBODAUX TO I-10 CORRIDOR ENVIRONMENTAL IMPACT STATEMENT (EIS), LADOTD:** Southeastern LA. BH prepared an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Principal-in-Charge with quality control oversight.
04/13 – 7/21	**US 84 IMPROVEMENTS, LADOTD:** Winnfield, LA. Performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies. Principal-in-Charge with quality control oversight.
04/14 – 09/17	**LA 19 WIDENING (LA 64 TO SUNSET BOULEVARD), FEASIBILITY AND PLANNING STUDY, LADOTD:** Baton Rouge, LA. BH prepared a Feasibility and Planning Study and Environmental Inventory according to the LADOTD Manual of Standard Practice to evaluate the feasibility of widening 1.4 miles of LA 19 from LA 64 to Sunset Boulevard per the Cooperative Endeavor Agreement (CEA) between LADOTD and the City of Zachary. An additional cost estimate was developed at the request of the client for the widening of LA 19 from LA 64 to Montegudo Boulevard. Principal-in-Charge with quality control oversight.
12/15 – 01/21	**US 167 FEASIBILITY AND PLANNING STUDY, ELSIE STREET TO GILBERT DRIVE, LADOTD:** Ville Platte, LA. BH prepared a feasibility and planning study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared. Principal-in-Charge with quality control oversight.
07/17 –Ongoing	**NEW ROUNDABOUT, PARISH ROAD 929 AT PARKER ROAD, ASCENSION PARISH:** Prairieville, LA. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, SUE, and construction engineering and inspection. Principal-in-Charge with quality control oversight.
07/17 –Ongoing	**NEW ROUNDABOUT AT LA 931 AND RODDY ROAD, ASCENSION PARISH:** Gonzales, LA. BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. Principal-in-Charge with quality control oversight.

Firm employed by	**Arcadis**		
Name	**Jan Hughes**	Years of relevant experience with this employer	<1
Title	Senior NEPA Specialist	Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization		B.S. / 1984 / Anthropology	
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: **Technical Advisor, 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).
	*Jan has 25 years of experience with the LADOTD Environmental Section preparing and overseeing analyses and documentation in compliance with the National Environmental Policy ACT (NEPA), Section 106 of the National Historic Preservation Act, and Section4(f) of the U.S. DOT Act. She oversaw consultant work on environmentally complex projects, including establishing and negotiating consultant environmental work effort and preparation of Environmental Impact Statements. She coordinated with federal, state, and local agencies as needed on projects as well as on other issues. She conducted public meetings, hearings, and other public involvement activities. In addition to the projects listed below, throughout her career, Jan has prepared and provided oversight for numerous Environmental staff and consultant prepared Environmental Assessments, Categorical Exclusions, and Re-evaluations of approved environmental documents. Training includes NEPA and Section 4(f), Section 106, Wetland Delineation, Endangered Species Act, Title VI/Environmental Justice, Environmental Streamlining and Stewardship, and Context Sensitive Solutions.*
07/15 - 02/19*	**I-49 SOUTH, I-10 TO LAFAYETTE REGIONAL AIRPORT, ROUTE US 90/US 167, SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT (SEIS):** LADOTD, Lafayette Parish, LA. SEIS and follow-up to commitments made in the 2003 Record of Decision for the upgrade of this 5-mile portion of US 90/US 167 in urban Lafayette to a six-lane facility with frontage roads meeting interstate standards. Responsibilities included negotiating the consultant environmental work effort, carrying out the SEIS initiation process and re-initiation of Section 106 of the National Historic Preservation Act process, and oversight of consultant environmental work that includes extensive public involvement, updates to the standing structures survey and archaeology commitments, and follow-up to other commitments.
01/15 - 02/19*	**INNER LOOP EXTENSION (LA 3132), E. FLOURNOY LUCAS RD (LA 523) TO FUTURE I-69 CORRIDOR, ENVIRONMENTAL ASSESSMENT, LADOTD AND CITY OF SHREVEPORT:** Caddo Parish, LA. Extension of the Inner Loop on new alignment as a four-lane control of access facility from LA 523 to Future I-69 with interchanges and upgrades to adjacent roadways. Responsibilities included oversight of the environmental process and consultant preparation of the Environmental Assessment.
01/11 – 05/15	**BAYOU TECHE BRIDGE AT OAKLAWN, ROUTE LA 323, CATEGORICAL EXCLUSION RE-EVALUATION, LADOTD:** St. Mary Parish, LA. Replacement of this one lane, swing span bridge built in 1942 with a two-lane bridge on existing alignment. The bridge was determined eligible for the National Register of Historic Places. Responsibilities included handling the Section 106 Consulting Parties process, preparation of the re-evaluation document, and preparation of the Section 106 Memorandum of Agreement and Programmatic Section 4(f) Statement for the adverse impact to the bridge, as well as the marketing and draft agreement for LADOTD's first ownership transfer of a historic bridge to another entity for alternative use.
04/01 - 12/06	**I-49 SOUTH, WAX LAKE OUTLET TO BERWICK, ROUTE US 90, ENVIRONMENTAL IMPACT STATEMENT, LADOTD:** St. Mary Parish, LA. Upgrade of this 9.3-mile portion of US 90 to a four-lane facility with frontage roads meeting interstate standards. Responsibilities included oversight of the environmental process and consultant preparation of the environmental document.
04/01 - 10/05	**I-49 SOUTH, LAFAYETTE REGIONAL AIRPORT TO LA 88, ROUTE US 90, ENVIRONMENTAL IMPACT STATEMENT, LADOTD:** Iberia/Lafayette/St. Martin Parishes, LA. Upgrade of this 10.8-mile portion of US 90 to a six-lane facility with frontage roads meeting interstate standards. Responsibilities included oversight of the environmental process and consultant preparation of the environmental document.

PERSONNEL RESUMES
Traffic Engineering

Firm employed by	**Intelligent Transportation Systems LLC**		
Name	**Kimberly McDaniel, PE, PTOE, PTP**	Years of relevant experience with this employer	<1
Title	Senior Transportation Engineering Manager	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization	B.S. / 2003 / Civil Engineering; M.S. / 2006 / Civil Engineering		
Active registration number / state / expiration date	32973 / Louisiana / 09-30-2023 2072 / US / 10-02-2025		
Year registered 2007 2007	Discipline	Professional Engineer, Civil Professional Traffic Operations Engineer	
Contract role(s) / brief description of responsibilities	Role on this Project: **Technical Lead, Traffic**		

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).
	*Kimberly McDaniel, P.E., PTOE, PTP, currently serves ITS LLC as a Senior Transportation Engineer Manager. She has over 19 years of experience in transportation design and planning, traffic engineering, and project management. She spent 6 years in state service at LADOTD in Traffic Engineering Management where she developed policies and programs related to Complete Streets, Access Management, and Traffic Impacts and served as the subject-matter expert on access management and traffic impacts. The remainder of her career has been spent as a consultant performing a wide variety of traffic engineering, safety assessments, and transportation design and planning projects throughout the states of Louisiana, Texas, and Michigan. She is very knowledgeable in the areas of innovative intersection design and operation, feasibility study requirements, access connection safety and design, corridor studies, interchange modification and justification studies, traffic impact studies, crash analyses, safety studies, low-cost safety improvements, and traffic impact analyses. Kimberly holds national certifications as a Professional Traffic Operations Engineer (PTOE) and Professional Transportation Planner (PTP). Kimberly has completed trainings and certifications for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III), the Highway Safety Manual, NEPA, and other continuing education courses.*
August 2021 – May 2022	**RAILROAD TRAIL PROJECT SIGNAL & PEDESTRIAN CROSSING DESIGN, TIPTON ASSOCIATES ON BEHALF OF LOUISIANA TECH UNIVERSITY (LINCOLN PARISH, LA):** Kimberly served as the Project Manager for the design & development of construction plans for the Tech Drive at Railroad Ave. Signal & Pedestrian Crossing, which included traffic evaluation, engineering design, construction plans for the installation of accessible/audible countdown pedestrian signals, & pavement markings as part of FHWA BUILD Grant for pedestrian improvements throughout the Louisiana Tech campus & the City of Ruston. As Project Manager, her duties included LADOTD project coordination, technical & planning review, & overall project management.
September 2020 – May 2021	**LA 93 TRAFFIC IMPACT STUDY (LAFAYETTE PARISH):** Kimberly served as the Project Principal for a traffic and safety evaluation for the City of Scott. The study included traffic impact studies for three proposed developments, two Intersection Control Evaluations (ICE), and a safety evaluation, all of which was required to conform to the LADOTD Traffic Engineering Process and Report requirements.
August 2019 – March 2020	**LA-93 AT WESTGATE SIGNAL (SCOTT):** Kimberly was the Engineer of Record and Project manager for the preparation of the Intersection Control Evaluation (ICE) report which resulted in the approval of a temporary traffic signal at the intersection in to relieve traffic congestion due to an adjacent road closure. She also managed the design of the temporary signal and associated construction plans and LADOTD Permitting Process. This study was completed in accordance with the LADOTD TEPR requirements.
July 2020 –March 2021	**TECH DRIVE PEDESTRIAN CROSSINGS, LOUISIANA TECH UNIVERSITY (RUSTON):** New student housing being constructed across a state highway from the main campus posed challenges for the thousands of students who would have to cross the highway each day. The University sought improvements to safety at these crossings. The scope included traffic engineering & permit assistance, along with coordination between Louisiana Tech & LADOTD for the development of construction plans for the installation of Rectangular Rapid Flashing Beacons (RRFB) at two midblock crossings. Kimberly served as Principal for the project and her duties included coordination with LADOTD, client coordination, review of plans and cost estimates/ comparisons, permit and bidding coordination, and review of bid package documentation/distribution and meetings.

Firm employed by	**Intelligent Transportation Systems LLC**
Name	**Kimberly McDaniel, PE, PTOE, PTP** *Continued Resume*
January 2019 –April 2020	**S.P. NO. H.001271 CANE RIVER BRIDGE CHURCH STREET EA (NATCHITOCHES PARISH, LA):** Ms. McDaniel served as the Lead Traffic Engineer for this Environmental Assessment for the replacement of the Cane River Bridge. She was responsible for the analysis of multiple future traffic scenario alternatives as well as three different complex detour scenarios for the replacement of the Cane River Bridge. She assisted with the development of the final EA document which received approval on the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in Louisiana. She assisted in the development a Finding of No Significant Impact (FONSI) document, which was approved by FHWA and LADOTD. Ms. McDaniel also assisted in coordinating public and agency outreach activities
June 2017 – June 2021	**S.P. NO. H.009932:** US 80 Widening Vancil Rd to Well Rd (Ouachita Parish): Kimberly served as traffic and safety project engineer for the Environmental Assessment study for capacity/safety improvement of a 1.4- mile portion of US 80. She developed traffic models for a variety of alternatives, identified safety improvements, and determined geometric configurations to increase traffic capacity. Alternatives included roundabouts.
April 2015 – December 2018	**CONTRACT NO. 4400007736:** Traffic Engineering Services Retainer Contract, Statewide, LA: Kimberly was the Engineer of Record and Project Manager for a $3 million traffic engineering services on-call contract with LADOTD. Services included traffic engineering studies, corridor studies, safety and crash analyses, traffic signal design, traffic data collection, signing and pavement marking designs, traffic signal timing studies, and intersection design.
October 2008 –August 2014	**LADOTD ACCESS MANAGEMENT PROGRAM, LOUISIANA STATEWIDE:** Kimberly developed and managed the LADOTD Access Management Program. In this role, she performed extensive research of access management policies and best practices throughout the US. Kimberly led multiple focus groups and policy development teams consisting of LADOTD employees, consulting engineers, commercial developers, residential developers, real estate agents, attorneys, municipal employees, and elected officials from around the state to develop a policy for LADOTD which would regulate the granting of access to state highways. The policy was adopted as Louisiana Administrative Code Title 70, Part I, Chapter 15. Kimberly authored the Access Connections Policy, a document expanding the criteria of the code. She developed training courses for DOTD employees, consultants, contractors, real estate professionals, and elected officials and conducted trainings throughout the state of Louisiana. Kimberly served as the state's Subject Matter Expert on Access Management throughout this time.

Firm employed by	**Intelligent Transportation Systems LLC**		
Name	**Diane C. Hammonds, PE, PTOE, RSP$_1$**	Years of relevant experience with this employer	<1
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization		B.S. / 2002 / Civil Engineering	
Active registration number / state / expiration date		40749 / Louisiana / 09-30-2024 7113 / US / 11-20-2023	
Year registered	2016 2016	Discipline	Professional Engineer, Civil Professional Traffic Operations Engineer
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic Engineering**	

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).
	*Diane C. Hammonds, P.E., PTOE, RSP1, currently serves ITS LLC as a Senior Transportation Engineer. She has over 17 years of experience in traffic engineering specializing in Traffic/Transportation Engineering and Transportation Planning projects including traffic impact assessments, traffic signal design systems, traffic simulation modeling, access management reviews, safety studies, roundabout analysis and design as well as permit reviews and coordination. Ms. Hammonds has successfully completed hundreds of successful traffic & transportation projects. Her unique skills to bring both the client and reviewing agency to agreement on the final product is an asset to the projects she is involved in. She has completed training in HCS, Synchro, Roundabouts and the HSM and is proficient in Synchro, SimTraffic, HCS, VISTRO, SIDRA, CRASH 1, CRASH 3 and Microstation. Diane holds national certifications as a Professional Traffic Operations Engineer (PTOE) and Road Safety Professional (RSP1). Diane has completed trainings and certifications for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III), the Highway Safety Manual, and other continuing education courses.*
August 2019 – March 2020	**LA-93 AT WESTGATE SIGNAL (SCOTT):** Diane served as the Technical Lead, Analyst and Design Engineer for the modification of the intersection to add a traffic signal. The temporary traffic signal at the intersection was needed to accommodate traffic during construction and closure of an adjacent roadway. Diane prepared the volumes forecasting and capacity analysis as well as report documentation, and signal design. The approval coordination included the LADOTD District 03 staff as well as Headquarters and the Lafayette Consolidated Government.
January 2022 –May 2022	**TRAFFIC SIGNAL – LA-433 AT TOWN CENTER PARKWAY (ST. TAMMANY PARISH):** Diane served as the Engineer of Record and Lead Traffic Engineer for an Intersection Control Evaluation (ICE) analysis for the intersection of LA-433 (Old Spanish Trail) at Town Center Parkway. The scope of services includes providing traffic engineering analyses, traffic signal design, and permit assistance to Stirling Properties as required by the LADOTD. The evaluation included an MUTCD 2009 Edition Traffic Signal Warrant Evaluation, a crash review for a three (3) year period that included diagrams, locations, and summaries, an existing operating analysis, and an alternative intersection control for a traffic signal, an all-way stop, a roundabout, an R-Cut, and median UTurns.
August 2021 – May 2022	**RAILROAD TRAIL PROJECT SIGNAL & PEDESTRIAN CROSSING DESIGN, LOUISIANA TECH UNIVERSITY (RUSTON):** Diane served as the Lead Traffic Engineer for the design and development of construction plans for the Tech Drive at Railroad Avenue Signal and Pedestrian Crossing, which included traffic evaluation, engineering design for the installation of accessible pedestrian signals (APS), and pavement markings as part of FHWA BUILD Grant for pedestrian improvements throughout the Louisiana Tech campus and the City of Ruston.
August 2019 – June 2021	**S.P. NO. H.009932 US 80 WIDENING:** Vancil Rd to Well Rd EA (Ouachita Parish): Diane served as a traffic engineer for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. She has assisted in the existing/no-build, safety, and alternatives capacity analysis reports, which have been approved by LADOTD. She analyzed project impacts by coordinating and assisting in developing the line and grade study, cost estimates, and conceptual plans.
February 2019 – August 2021	**FARM ROAD MULTI-BRIDGE REPLACEMENT PROJECT (CALCASIEU PARISH):** Diane provided assisted in the preparation of traffic management plans for the Calcasieu Parish Police Jury related to the replacement of two (2) bridges located on Farm Road. Diane provided traffic engineering services, including the preparation of temporary traffic control plans.

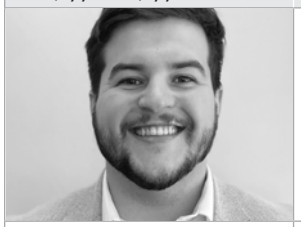
Firm employed by	**Intelligent Transportation Systems LLC**		
Name	**Jonathan Fox, PE, PTOE, PMP**	Years of relevant experience with this employer	7.5
Title	Principal	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		B.S. / 2003 / Civil Engineering	
Active registration number / state / expiration date		33277 / Louisiana / 09-30-2023 2329 / US / 11-07-2022	
Year registered	2007 2007	Discipline	Professional Engineer, Civil Professional Traffic Operations Engineer
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic Engineering**	

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).
	*Jonathan Fox, P.E., PTOE, PMP, currently serves ITS LLC as a Principal. He has over 20 years of experience in traffic engineering, signal design, ITS design and maintenance, and project management. Jonathan has developed specific expertise in the design of traffic signal systems, communication systems, detection systems, intelligent transportation systems, and the innovative application of adaptive traffic signals. Jonathan holds a national certification as a Professional Traffic Operations Engineer (PTOE). Jonathan has completed trainings and certification for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III) and other continuing education courses. He is a certified Project Management Professional (PMP) and an ATSSA Traffic Control Supervisor/Technician.*
August 2015 – July 2019	**SASOL LAKE CHARLES CHEMICAL PROJECT – ADAPTIVE TRAFFIC SIGNAL SYSTEMS (WESTLAKE):** Jonathan was the lead traffic engineer on new traffic signal designs, upgrades, communication design, and integration. He oversaw developing traffic signal plans, simulation models, communication layouts, network design, surveillance, travel time management, and permit applications. Six of these intersection upgrades were integrated by Jonathan's team as the first Adaptive Traffic Signal System deployed in the state of Louisiana (System A). One of the biggest challenges overcome was integrating DOTD's first private cellular network connection. This effort took continuous communications between DOTD District 07, DOTD ITS Section, Div. of Admin. Office of Technology Service, Trafficware, and Verizon Wireless. Once the DOTD Lake Charles ITS Phase 2 project was constructed and accepted, Jonathan oversaw the design and installation of an unlicensed wireless network which removed the recurring monthly cellular service charges for the adaptive system. Jonathan has overseen the design, implementation and integration of the Sasol System B (LA 108 signal corridor) as well as LA 27 (Beglis Rd.) @ LA 379 (Houston Rive Rd.). These were constructed and the adaptive functionality was turned on in July of 2019. These intersection designs used stop bar and setback radar detection as well as wireless and cellular communications. Efforts for Sasol also included design and construction support for a temporary traffic signal on Old Spanish Trail at Prater Road. Jonathan oversaw the design and construction inspection.
June 2018 – July 2019	**US 90 ADAPTIVE CORRIDOR (WESTLAKE):** Jonathan has served as the project manager and overall design lead for the US 90 adaptive traffic signal corridor in Westlake, LA. Designs included preparing updated traffic signal inventory (TSI) forms as well as communications support of two isolated traffic signals. Equipment included in the design consisted of new radar detection and unlicensed wireless communications. Jonathan oversaw the integration of the intersections into the adaptive system in Lake Charles
June 2018 – July 2019	**US 90 ADAPTIVE CORRIDOR (WESTLAKE):** Jonathan served as the project manager and overall design lead for the US 90 adaptive traffic signal corridor in Westlake, LA. Designs included preparing updated traffic signal inventory (TSI) forms as well as communications in support of two isolated traffic signals. Equipment included in the design consisted of new radar detection and unlicensed wireless communications. Jonathan oversaw the integration of the intersections into the adaptive system in Lake Charles.
December 2014 – Present	**DOTD ITS MAINTENANCE (44-2500, 44-7102. 44-16811) (STATEWIDE):** Served as supervisor engineer for ITS LLC under the existing ITS Maintenance Retainer contract. Roles include project management support, quality control checks, site reviews, as well as investigating options and developing concepts to improve sites. Jonathan's knowledge of the ITS from planning through operations has made him a highly valuable asset to the ITS Maintenance team especially his knowledge of the ITS as it was designed and operated.

Firm employed by	**Intelligent Transportation Systems LLC**		
Name	**Clarke Chauvin, PE, PTOE, PMP**	Years of relevant experience with this employer	6
Title	Project Engineer	Years of relevant experience with other employer(s)	3.5
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		41770 / Louisiana / 09-30-2023 4337 / US / 11-20-2023	
Year registered	2017 2017	Discipline	Professional Engineer, Civil Professional Traffic Operations Engineer
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic Engineering**	

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).
	*Clarke Chauvin, P.E., PTOE, PMP currently serves ITS LLC as a Project Engineer. He has over ten years of experience in traffic engineering, including roadways, signal systems, ITS design, communications design, CE&I, and maintenance. He has spent most of his professional career specializing in traffic signals, ITS design, maintenance, and all other aspects of design and implementation of technology for traffic purposes throughout the state. Clarke also has over 20 years of electrical experience which has been an asset with the design and implementation of traffic signals and ITS devices. Clarke has completed trainings and certification for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III) and other continuing education courses. He is a certified Project Management Professional (PMP), ATSSA Traffic Control Supervisor/Technician, and has certification as an IMSA Traffic Signal Technician – Level II and Inspector.*
August 2015 – July 2019	**SASOL LAKE CHARLES CHEMICAL PROJECT – ADAPTIVE TRAFFIC SIGNAL SYSTEMS (WESTLAKE):** In support of the $8.9 billon ethane cracker chemical plant expansion, Clarke provided signal design support for multiple intersections. His efforts included developing preliminary signal permit plans, developing timing models, conducting field investigations, providing quantities, constructability reviews, and signal construction inspection. Clarke's experience in CE&I make him an excellent resource for design since he's able to identify constructability issues. Additionally, Clarke provided support for the first Adaptive corridor installed in the state of Louisiana. Along Sampson St., an adaptive corridor was implemented and is currently operational. Clarke was involved in the Synchro modeling, TSI documentation, and producing as-built drawings for the system.
February 2018 – July 2019	**SYSTEM B (LA 108) ADAPTIVE TRAFFIC SIGNAL CORRIDOR (WESTLAKE):** Clarke was the Project Manager for the implementation of the System B adaptive traffic signal corridor. In addition to allocating IP addresses, configuring devices (both for network communication and signal operation), and managing construction and coordination, Clarke worked to bring an isolated traffic signal into the adaptive system through cellular communication. Clarke worked with DOTD to use a private cellular network to remotely connect to the signal equipment. He configured the cellular modem to allow port forwarding of the devices required for the adaptive system and oversaw the installation and configuration for all of the equipment for these signals. The communication system is currently active and the signals have been integrated into DOTD's adaptive system. Clarke is currently responsible for ongoing maintenance and performance monitoring and has set up network management software to collect performance data and notify ITS LLC and DOTD with issues.
June 2018 – July 2019	**US 90 ADAPTIVE CORRIDOR (WESTLAKE):** Clarke performed network design and construction project management for the US 90 adaptive traffic signal corridor in Westlake, LA. In addition to performing the initial field wireless testing to determine appropriate frequency, power, mounting heights, etc., Clarke designed and allocated IP addresses for the various equipment at these intersections. He programmed controllers, switches, radar detection, and wireless Ethernet radios. The communication system is currently active and the signals have been integrated into DOTD's adaptive system. Clarke is currently responsible for ongoing maintenance and performance monitoring and has set up network management software to collect performance data and notify ITS LLC and DOTD with issues.

Firm employed by	**Intelligent Transportation Systems LLC**		
Name	**Colin Francis, EI**	Years of relevant experience with this employer	<1
Title	Engineer Intern	Years of relevant experience with other employer(s)	<1
Degree(s) / Years / Specialization		B.S. / 2021 / Civil Engineering	
Active registration number / state / expiration date		35053 / Louisiana / 09-30-2024	
Year registered	2022	Discipline	Engineer Intern
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic Engineering**	

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).
	*Colin Francis, E.I., currently serves ITS LLC as an Engineer Intern. Colin is a recent graduate and has nearly a full year of combined experience as a student intern and post-graduate Engineer Intern. Colin has assisted with a variety of traffic impact studies, safety analyses, and traffic signal design projects. Additionally, Colin has been part of different aspects of ITS maintenance and installation work including CCTV camera testing and configuration, radio testing, and fiber testing. Colin has completed the LADOTD Traffic Engineering Process and Reports, Parts I, II, and III trainings.*
May 2022 – Present	**DOTD ITS MAINTENANCE (44-7102. 44-16811) (STATEWIDE LOUISIANA):** Colin is performing maintenance, troubleshooting, and installation functions on the existing LADOTD ITS Maintenance Retainer. He has performed routine maintenance on CCTV camera sites, RVD sites, ramp meter sites, and DMS sites. His skills include device troubleshooting, communication and network troubleshooting, parts replacement, and site cleaning. Colin carries a Class D license to drive bucket trucks used in maintenance operations.
December 2021 – May 2022	**US 190 AT MARKET STREET EXTENSION (TANGIPAHOA PARISH):** The scope of this study included traffic engineering services and permit assistance to Tangipahoa Parish Government for the Farris Property Development. Eleven intersections were included in traffic evaluations and analysis. This study conformed with the LADOTD Traffic Engineering Policy and Report (TEPR) requirements and amended directions included in the LADOTD COVID-19 Traffic Impacts Policy, consisted of traffic counts, turning movement counts, and driveway/residential roadway counts during the peak hour. Colin assisted with the preparation of the drafts and the final report, which included collected data, the existing safety analysis, the existing and no build analysis, and the alternative analysis. He compiled initial traffic count data to determine the peak period of traffic for the study area and performed the initial collection and compilation of crash history data from LADOTD to complete the existing safety analysis and crash diagrams.
December 2021 – May 2022	**LA 93 TRAFFIC IMPACT STUDY (LAFAYETTE PARISH):** Colin served as an Engineer Intern on a study for the City of Scott to determine traffic impacts of three proposed developments, including two Intersection Control Evaluations (ICE) and a safety evaluation. Coin's role included using the TEPR system of reporting to determine peak period and peak hour of traffic volume, implementing the use of ArcGIS to map the crash history of the corridor, and using excel to implement trip generation values to existing traffic volumes.
December 2021 – May 2022	**S.P. NO. H.013367, ELM GROVE GARDEN PEDESTRIAN IMPROVEMENTS (EAST BATON ROUGE PARISH):** Elm Grove Garden Drive is a residential street with a public elementary school where there is an existing sidewalk on the school property but not along the corridor. The goal of this project is to provide 1.68 total miles of pedestrian facilities along the entire corridor. The residents of this area regularly travel to work, school, commerce, and recreation via walking and biking. The existing drainage facilities include open-ditch systems but will be upgraded as needed to accommodate the sidewalk construction. Colin assisted in MicroStation project plan design files.

Firm employed by	**Arcadis**		
Name	**Thomas Montz, PE, PTOE, PTP**	Years of relevant experience with this employer	9
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	M.S. / 2011 / Civil Engineering; B.S. / 2009 / Civil Engineering		
Active registration number / state / expiration date	39128 / Louisiana / 09-30-2024		
Year registered 2014	Discipline: Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Traffic Engineering**		

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. Montz is a Project Manager and Senior Transportation Engineer specializing in transportation planning / feasibility, modeling, safety, and design. He has over 12 years of experience leading a multitude of planning and engineering projects including Stage 0 feasibility studies, safety studies, NEPA studies, traffic signal timing and design, and transportation management during construction. He specializes in traffic analysis and operations including signal timing, signal design, ITS design, HCM analysis, and microsimulation analysis. Mr. Montz has completed LADOTD Traffic Engineering Process and Report Training.*
12/13 – 06/15	**LA 3235 STAGE 0 SAFETY FEASIBILITY STUDY, LADOTD:** Lafourche Parish, LA. Traffic Engineer. Responsible for traffic and safety analysis as part of the Stage 0 feasibility study to develop improvement alternatives with the goal of enhancing mobility and safety on LA 3235. Main tasks included traffic data collection, signal warrant studies, traffic analysis, safety analysis, development of conceptual layouts, and public outreach. Intersections found to warrant signalization were also modeled in unconventional designs including U-turns, J-turns, and RCUTs. Purpose of the project was to address historical safety issues along the corridor resulting from high speeds and conflict points. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.
04/19 – 12/19	**US 90 TRAFFIC SIGNAL TIMING UPGRADES/LADOTD:** Lafayette Parish, LA. Technical Lead of project tasks involving traffic data collection and analysis, signal inventory, peak period determination and observations, warrant analysis, travel time runs, traffic signal timing analysis using Synchro 10 software, and development of updated TSI forms following latest LADOTD standards
02/15 – 08/17	**US 71 CORRIDOR - PHASE II STAGE 0 FEASIBILITY STUDY, LADOTD:** Rapides Parish, LA. Project Manager. Responsible for the preparation of a corridor feasibility study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Main tasks included traffic data collection, signal warrant studies, traffic analysis, safety data analysis, alternative development, and public/stakeholder involvement. Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.
04/16 – 09/18	**NEW ORLEANS PEDESTRIAN STAGE 0 SAFETY FEASIBILITY STUDY, LADOTD:** Orleans Parish, LA. Traffic Engineer. Responsible for traffic data collection, volume development, traffic analysis, and alternative screening. Purpose of the project was to identify safety improvement alternatives at 20 high-priority intersections in New Orleans with a history of pedestrian and bicycle safety issues. Assisted with the development of safety countermeasures for short-term and long-term alternatives. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.
04/16 – 10/19	**I-12 HARD SHOULDER RUNNING FEASIBILITY STUDY AND PRELIMINARY DESIGN, LADOTD:** East Baton Rouge and Livingston Parishes, LA. Traffic Engineer. Conducted traffic analysis using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives along I-12 between the I-10/I-12 split and Walker, LA. Developed a range of alternatives and made recommendations based on the alternatives that produced the greatest operational benefits and relieved major bottlenecks. Presented results to LADOTD project team and administration to inform the decision-making process and subsequent project stages.

Firm employed by	**Arcadis**		
Name	**Ari Deitch, PE, PTOE, PTP, RSP**	Years of relevant experience with this employer	7
Title	Traffic Engineer	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		B.S. / 2012 / Biological Engineering	
Active registration number / state / expiration date		41842 / Louisiana / 03-31-2024 PTOE #4346 / USA / Exp. 11/2023; PTP #690 / USA / Exp. 07/2025; RSP #37 / USA / Exp. 12/2024; ATSSA TCT / TCS	
Year registered	2017	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic Engineering**	

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. Deitch is a Transportation Engineer specializing in traffic engineering and design, safety, transportation management, and conceptual roadway design. Mr. Deitch has experience managing and working on projects for LADOTD and the City of Baton Rouge, as well as other DOTs across the country, pertaining to Stage 0 feasibility studies, transportation management plans, traffic, and safety studies, NEPA studies, pedestrian and bicycle improvements, access management, signal design, and signing and marking design. He has experience and proficiency in IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software. Ari is ATSSA TCT and TCS certified. Mr. Deitch has completed LADOTD Traffic Engineering Process and Report Training.*
05/19 - Ongoing	**LADOTD, I-20 / I-220 INTERCHANGE IMP. AND BAFB ACCESS TMP AND IMR:** LA / H.003370. Traffic Engineer. Responsible for development of addendum to Interchange Modification Report, Transportation Management Plan, Temporary Traffic Control Plans, and Permanent Signing Plans to accommodate the design and construction of the project. The design-build project includes the modification of the existing interchange at I-20 / I-220 with additional ramps and extension of I-220 to provide access to Barksdale Air Force Base.
08/14 – 10/18	**LADOTD, US 71 CORRIDOR TRAFFIC AND SAFETY STUDY – PHASE 1-3:** Rapides Parish, LA / H.010824. Traffic Engineer. Responsible for providing traffic data collection, warrant studies, traffic analysis, safety data analysis, and development of conceptual layouts. Data collection effort included automated one-week counts, manual turning movement counts and spot speed studies. Collected crash data for the most recent three years from LADOTD crash database, analysed crash summaries and identified historical high-crash locations and over-representative crashes, determined crash types, frequencies and crash rates, reviewed individual crash reports to determine type and location of each crash, identified crash "hot-spot" locations, contributing factors for high-crash rates, and determined potential improvements.
11/20 – Ongoing	**LADOTD, I-10 CMAR:** East Baton Rouge Parish, LA / H.001400. Traffic Engineer. Responsible for wide range of traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment.
10/19 – Ongoing	**LADOTD, I-10 NEW ORLEANS TO SLIDELL HARD SHOULDER RUNNING:** Orleans Parish, LA / H.013960.1. Traffic Engineer. Responsible for the development of conceptual drawings and typical sections for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell. Purpose of the project is to evaluate the feasibility of implementing HSR lanes along I-10 to alleviate existing bottlenecks and congestion along critical segments of the corridor.
10/15-Ongoing	**LADOTD, US 90 BUSINESS SIGNING UPGRADES AND TMP:** Orleans and Jefferson Parishes, LA / H.010634.5. Assistant Project Manager. Responsibilities include taking inventory of existing signs and structures, developing a signing layout plan for the project area in accordance with the latest state and federal policy guidance, developing signing plans through 100% final design stage, developing a Transportation Management Plan to be used during construction of the project, and coordinating reviews and submittals with LADOTD Traffic Engineering Design Section. The purpose of the project is to replace all existing signs within the project area, which includes sections of I-10 and US 90 Business in and around New Orleans' Central Business District. This requires careful planning in the placement of signs and structures to accommodate the complex roadway network in this area. Arcadis completed the design plans and TMP in 2019, and is currently providing engineering support during construction of the project.

Firm employed by	**Arcadis**		
Name	**Kester Hollier, PE, PTOE**	Years of relevant experience with this employer	1
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		B.S. / 2004 / Civil Engineering	
Active registration number / state / expiration date		34304 / Louisiana / 03-31-2023; PTOE #3928 / USA / Exp. 11/2024	
Year registered	2009	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic Engineering**	

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. Hollier possesses a wide breadth of experience in the field of transportation engineering including feasibility studies, traffic engineering, signal timing and design, roadway design, complete street improvement projects, roadway safety analysis and design, and construction management and inspection. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and helps provide expertise in achieving successful solutions for a variety of projects. Mr. Hollier has completed LADOTD Traffic Engineering Process and Report Training.*
05/14 – 08/20	**CAUSEWAY BLVD. AT EARHART EXPWY. INTERCHANGE, LADOTD:** Jefferson Parish, LA. Traffic/Civil Engineer. Responsible for the design of traffic control and construction sequencing, pavement marking layout, quantity analysis, cost estimates, and quality control for a new interchange at LA 3139 (Earhart Expwy.) and LA 3046 (Causeway Blvd.) in Jefferson Parish, LA. Provided review for the interchange traffic sign and traffic signal timings and design. Identified all necessary design waivers and design exceptions required for LADOTD approval. Provided geometric layout design, typical section design and review, and joint layout design for several interchange ramps and underpasses.
09/12 – 02/16	**STAGE 0 FEASIBILITY STUDY AND STAGE 1 EA FOR REPLACING BELLE CHASSE TUNNEL AND BRIDGE, LADOTD:** Plaquemines Parish, LA. Traffic Engineer. Responsible for the feasibility study and traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of roadway design and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review.
11/20 – Ongoing	**I-10 CMAR, LADOTD:** East Baton Rouge Parish, LA. Project Manager. Responsible for traffic engineering tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation managemnet plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive historical crash and safety analysis is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.
06/13– 04/14	**US 190 STAGE 0 FEASIBILITY STUDY, LADOTD:** St. Tammany, LA. Traffic Engineer. Responsible for roundabout geometric design & pedestrian & bike path design along the US 190 corridor in the City of Slidell and St. Tammany Parish to improve safety for motorized and non-motorized roadway users.
11/17 – 07/20	**LA 466 (5TH STREET) IMPROVEMENTS TRAFFIC STUDY:** City of Gretna, Jefferson Parish, LA. Project Manager / Traffic Engineer. Responsible for the traffic study and impacts for the proposed complete streets improvements along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included data collection along the corridor and at designated intersections, safety and crash analysis along the corridor, trip generation/ land use and performing existing traffic analysis and future traffic analysis for proposed final alternative. The traffic study was prepared to follow the LADOTD Traffic Engineering Process and Report Guidelines. The project also included a stand-alone pedestrian study along the corridor at designated intersection and the design of accessible pedestrian signals at signalized intersections.

Firm employed by	**Arcadis**		
Name	**Akhil Chauhan, PE, PTOE, PTP, PMP**	Years of relevant experience with this employer	14
Title	Principal Engineer	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization	M.S. / 2003 / Transportation Engineering; B.S. / 2001 / Civil Engineering		
Active registration number / state / expiration date	33703 / Louisiana / 09-30-2024 PTOE #2544 / USA / Exp. 11/2023; PTP #246 / USA / Exp. 12/2024; PMP #1444676 / PA / Exp. 08/2023		
Year registered	2008	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities	Role on this Project: **Traffic Engineering & 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. Chauhan is a principal traffic engineer with 20 years of applied research and industry experience in the fields of traffic engineering, traffic modeling and simulation, transportation planning, demand modeling/forecasting, intersection/corridor analysis, safety studies, and access management. Akhil has successfully led, managed, and mentored numerous projects and personnel related to transportation modeling, simulation, and planning for public agency clients located across the nation including several state Departments of Transportation. He is proficient in the use of many macro-, meso-, and microscopic traffic simulation software programs such as HCS, Vistro, Synchro, SIDRA, Vissim, MITSIM, Dynameq, DynaMIT, TransCAD, Visum, and OREMS. Mr. Chauhan has completed LADOTD Traffic Engineering Process and Report Training.*
04/13 – 10/20	**LADOTD, US 11 RAILROAD BRIDGE REPLACEMENT AND CORRIDOR IMPROVEMENTS ENVIRONMENTAL ASSESSMENT:** St. Tammany Parish. Principal Engineer. Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, line and grade and public outreach for the proposed widening of US 11 between US 190 (Gause Boulevard) and I-12 in Slidell. Proposed improvements include the replacement of a bridge crossing the Norfolk Southern Railroad. Critically, this project includes analysis of several innovative alternatives for the proposed corridor, including "superstreets" and J-turn concepts.
07/12 – 11/14	**LADOTD, CHEF MENTEUR BRIDGE AND APPROACHES ENVIRONMENTAL ASSESSMENT:** Orleans Parish, LA. Principal Traffic Engineer. Responsible for the high-priority bridge replacement EA and Line and Grade Study, responsible for coordinating traffic impact study. Traffic Impact Study coordination included reviewing available data with DOTD traffic engineer to identify gaps and propose additional data needs, investigating planned transportation improvement projects and traffic generators with DOTD and New Orleans RPC, reviewing design hour volumes (DHVs), average daily traffic (ADTs), and peak hour, and 24-hour truck percentages, and reviewing intersection and road segment capacity analyses.
11/20 – Ongoing	**LADOTD, I-10 CMAR:** East Baton Rouge Parish, LA. Principal Engineer. Responsible for technical advisory and QAQC of all traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.
08/18 – 12/19	**LADOTD, I-10 WIDENING MESOSCOPIC MODEL AND TMP:** East Baton Rouge Parish, LA. Principal Engineer. Responsible for supervising development of mesoscopic traffic model used for this project. The object of the study was to develop an existing conditions model. Responsibilities included defining study area, assessing data needs, developing data collection plan, preparing calibration documentation, and preparing model documentation.
01/18 – Ongoing	**LADOTD, I-20 MESOSCOPIC MODEL AND TMP USING DYNAMEQ:** Bossier Parish, LA. Principal Engineer. Responsible for supervising development of mesoscopic traffic model to predict queueing, delay and alternate travel patterns due to planned construction on I-20 to replace pavement. The project is anticipated to disrupt traffic in this critical portion of I-20. The project scope includes development and calibration of mesoscopic model, analysis of alternative routes, safety analysis, operational analysis, assistance with public outreach, development of a Level 4 TMP, and development of work zone mitigation strategies.

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 and grade study and designed approximately 2,700' of divided two lane and multi-lane roadway to raise the roadway over the levee on Schneider Canal. The line and 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.
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 environmental line and grade activities and roadway and bridge services required to reach construction. His innovative design skills resulted in the reduction of right-of-way required for construction.
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*
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 and the 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' shared use path, 5' sidewalk along the north side of US 90, bike lanes on shoulders, and softening of the median. 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 DRIVE IMPROVEMENTS: East Baton Rouge Parish, LA.** *Project Manager/Lead Road Design Engineer*- This 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 Environmental Assessment 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	**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	**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.
03/16-08/19	**H.001679.6 LA 146 BRIDGES NEAR VIENNA: Lincoln Parish, LA.** *Project Engineer* - This multiple site project included replacing three deficient bridges on LA 146 on the existing horizontal alignment with 4-8'X8' reinforced box culverts, 4-7'X6' reinforced box culverts, and a new slab span bridge. Mr. Michel's responsibilities included all engineering design for civil aspects including plan preparation and production; design of vertical alignment and superelevation, drainage and guardrail design; design of an overlay section; signage and detour layout; crash data study; cost analysis and estimation.
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.
09/14-01/22	**BAYOU CHENAL & BAYOU DISCHARGE BRIDGES: Pointe Coupee Parish, LA.** *Project Engineer* - This project consisted of replacing two deficient bridges on LA 413 on the existing horizontal alignment with a 180' and 220' slab span bridge with an on-site diversion bridge. Mr. Michel's responsibilities included plan production, designing new vertical alignments based on design guidelines and hydraulic analysis, geometric design of an on-site diversion and multiple side roads/driveways, guardrail and sheet pile layout, 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.***
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.
04/22-06/22	**HANKS DRIVE SIDEWALKS – PHASE 2: Baton Rouge, LA.** *Engineer Intern* - Mr. Abbott provided assistance with the Design Study, Preliminary Plans, and Final Plans in accordance with MovEBR and LADOTD Design Standards for a pedestrian facility and drainage system along Hanks Drive and Landis Drive. Hanks Drive Sidewalks Pedestrian Improvements- Phase 2 Project served to design a sidewalk facility as well as a drainage system in accordance with LADOTD standards. The proposed project provided approximately 4,200-ft. of sidewalk and subsurface drainage system along Hanks Drive and approximately 2,000-ft. of sidewalk and subsurface drainage system on Landis Drive from Hanks Drive to Greenwell Street.
01/21-02/22	**LADOTD RURAL BRIDGE INITIATIVE: PHASE I NORTH LOUISIANA BRIDGES: North Louisiana.** *Engineer Intern Mr. Abbott provided assistance with the design improvements to existing rural bridges across north Louisiana. He also analyzed the existing drainage and structure designs to determine the need for improvements.*
04/18-12/18	**PIPELINE EXTENSION THROUGH JENNINGS, LA: Jennings, LA.** *Engineer Intern* - Inspect and make corrections to engineering documents to facilitate the construction of the project to specifications of the client.

Firm employed by	**Arcadis**		
Name	**Jose L. Rodriguez, PE**	Years of relevant experience with this employer	1
Title	Senior Civil Engineer	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization		B.S. / 1992 / Civil Engineering	
Active registration number / state / expiration date		30492 / Louisiana / 03-31-2023	
Year registered	2003	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Line and Grade, Roadway / Complete Streets / Drainage / Cost Estimate**	

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. Rodriguez has more than 25 years of experience with roles of progressive responsibility as a civil engineer performing roadway design, bridge design, project management, hydraulic analysis, utility coordination, construction supervision, estimating, and project implementation for various clients in Louisiana, Texas, Georgia, and North Carolina. Jose has worked in close relationship with the Federal Highway Administration (FHWA), U.S. Army Corps of Engineers, Louisiana Department of Transportation (LADOTD), local parish governments, and regional planning commissions. He has extensive experience with Bentley Inroads, Autodesk Civil 3d, and Leap Bridge for Concrete Bridge Design. Served on the American Concrete Institute (ACI) Louisiana Board, becoming president of the Louisiana Chapter in 2010 and remains active in the organization.*
05/12 – 12/15	**LADOTD, EARHART BOULEVARD-CAUSEWAY INTERCHANGE:** New Orleans, LA. Project Designer. Responsible for the geometric design and roadway plan preparation for the Earhart Boulevard-Causeway Interchange. The Earhart Boulevard Causeway Interchange purpose was to assist in traffic congestion relief for the east-west flow of traffic for the New Orleans Metro Area. It consisted of the development of roadway and bridge ramps for the creation of an elevated signal-controlled interchange. Responsible for development of all horizontal and vertical alignments for this project as well as roadway plan preparation, developing all roadway cross sections, drainage design, utility conflict resolution and cost estimating for the project.
02/10 – 06/11	**LADOTD, I-10 FROM VETERANS TO CLEARVIEW:** Metairie, LA. Project Designer. Responsible for roadway plan preparation for widening 1.2 miles of I-10 from three lanes to five lanes in each direction. The project also included bridge work to accommodate the interstate widening. Jose was also responsible for the alignment and design of concrete sound walls along the corridor. He helped implement an innovative two-sided concrete stamp process for the noise wall precast concrete panels.
07/09 – 07/15	**LADOTD, PETERS ROAD EXPANSION, PHASES I-III:** Plaquemines, LA. Project Designer. Responsible for the geometric design, plan preparation and wetland delineation of Peters Road Phases I, II and III. The projects consisted of a new roadway, elevated crossing over the Intracoastal Waterway, approach roadways in Jefferson and Plaquemines Parishes to tie Peters Road to Louisiana 23 near Barrier Road. The projects were prepared in coordination with Plaquemines Parish, DOTD and the U.S. Army Corps of Engineers.
02/07 – 10/09	**LADOTD, JOHN JAMES AUDUBON BRIDGE APPROACH (DESIGN-BUILD):** New Roads, LA. Project Designer. Responsible for the geometric horizontal and vertical alignment for five approach bridges to the John James Audubon Cable Stay Bridge. The longest cable-stayed bridge in the Western Hemisphere consisting of 1,583' main span. Jose was also in charge of the quality control for all bridge approaches and the design of all precast concrete girders for the project.
01/06 – 09/09	**LADOTD / NEW ORLEANS REGIONAL PLANNING COMMISSION, NEW ORLEANS SUBMERGED ROADWAY PROGRAM MANAGEMENT:** New Orleans, LA. Project Designer and Quality Control Reviewer. For this multi-million dollar program management team for the DOTD and the FHWA. Jose helped develop design guidelines and processes for the standardization of engineering work for the repair of roadways damaged by Hurricane Katrina in the City of New Orleans and other parishes. Responsible for conducting quality control reviews on roadway plans prepared by other engineering firms for compliance with DOTD and FHWA design standards.

Firm employed by	**Arcadis**		
Name	**David Fulks, PE**	Years of relevant experience with this employer	15
Title	Roadway Design Engineer	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization	B.S. / 1997 / Civil Engineering; M.S. / 2020 / Engineering Management		
Active registration number / state / expiration date	30151 / Louisiana / 09-30-2024		
Year registered 2002	Discipline: Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Line and Grade, Roadway / Complete Streets / Drainage / Cost Estimate**		

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. Fulks has more than 27 years of experience in the design of roadways, flood protection systems, and airports. His experience encompasses analysis and design of geometric and pavement design of highways, streets, sidewalks, restrictive intersections, roundabouts, and interchanges; site hydrology and hydraulics; and traffic impact analysis. His responsibilities have included preparing engineering designs, reports, plans, and specifications; preparing and managing project schedules and cost estimates; and providing construction administration.*
04/13 – 07/14	**LADOTD, US 11 RAILROAD BRIDGE REPLACEMENT AND CORRIDOR IMPROVEMENTS ENVIRONMENTAL ASSESSMENT:** St. Tammany Parish, LA. Lead Engineer. Geometry and roadway design, line and grade study development, and cost estimates for the replacement of an historic railroad overpass bridge and upgrading an existing two-lane rural highway to a four-lane divided highway with access control.
07/15 – 06/17	**LADOTD, US 190B AT JEFFERSON AVE ROUNDABOUT DESIGN:** St. Tammany Parish, LA. Roadway Engineer. Geometric and roadway design, preliminary plans preparation, and cost estimate for replacing an existing four-way signalized intersection with a single-lane elliptical roundabout.
05/14 – 05/15	**LADOTD, JOE SEVARIO/RODDY ROAD ROUNDABOUTS STAGE 0 FEASIBILITY STUDY:** Ascension Parish, LA. Task Manager and Lead Engineer. Geometric and roadway design and cost estimates for the replacement of ten existing stop-controlled intersections with single-lane roundabouts.
01/14 – 03/17	**LADOTD, PETE'S HIGHWAY ENVIRONMENTAL ASSESSMENT:** Livingston Parish, LA. Lead Roadway/Bridge Geometrics and Cost Engineer. High-priority project completing an Environmental Assessment and traffic engineering services related to improving congestion and operations along Range Avenue in the vicinity of the I-12 interchange. Design alternatives included two split diamond interchange options with roundabout, partial clover leaves, and collector-distributor road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16) and a diverging diamond interchange alternative at Range Avenue.
11/14 – 10/15	**LADOTD, LA 44 AND LOOSEMORE ROAD ROUNDABOUT:** Ascension Parish, LA. Deputy Project Manager and Lead Engineer. Geometric and roadway design, preliminary subsurface utility investigation, and cost estimates for the replacement of an existing two-way stop-controlled intersection with either a single-lane roundabout or two single-lane roundabouts and right-in/right-out control at the existing intersection.
12/13 – 06/15	**LADOTD, SAFETY STUDIES RETAINER - LA 3235 STAGE 0 SAFETY FEASIBILITY STUDY:** Lafourche Parish, LA. Lead Roadway Geometrics and Cost Engineer. Designed geometric layout of safety improvements including access management, restrictive intersections, and added turn lanes. Developed construction cost estimates for proposed improvements to assess feasibility of proposed alternatives.
09/09 – 03/12	**LADOTD, I-20 – KANSAS LANE/GARRETT ROAD CONNECTOR INTERCHANGE IMPROVEMENTS:** Ouachita Parish, LA. Lead Engineer. Geometry and roadway design of the new KCS Railroad overpass and connector between Kansas Lane and Garrett Road, including interstate interchange modifications to include two-lane roundabouts at ramp intersections, and three two-lane roundabouts along the corridor outside of the interchange. Improvements to the pedestrian and bicycle facilities were included in accordance with the LADOTD Complete Streets Policy. The compact project area required a detailed layout to confirm feasibility.

Firm employed by	**Arcadis**		
Name	**Gabriel Arias, PE**	Years of relevant experience with this employer	<1
Title	Roadway Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	B.S. / 2013 / Civil Engineering		
Active registration number / state / expiration date	42599 / Louisiana / 09-30-2024		
Year registered 2018	Discipline	Professional Engineer, Civil	
Contract role(s) / brief description of responsibilities	Role on this Project: **Line and Grade, Roadway / Complete Streets / Drainage / Cost Estimate**		

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. Arias has more than eight years' experience performing complex geometric design on roadway including H&V alignment, hydraulic design CDP's and open ditches, turn lane design, striping/signage, structural design analysis and QC, traffic management plans, and roadway plan production.*
06/16 – 02/17	**LA 435 TO LA 40/LA 41, LADOTD:** St. Tammany Parish, LA. Project Engineer. The project calls for the construction of a new four-lane highway connecting I-12 to Bush, Louisiana, in St. Tammany Parish. The new roadway is approximately 19.8 miles in length and begins at LA 434, north of the existing LA 434 interchange with I-12, and traverses in a northeasterly direction until encountering an abandoned rail corridor. It then follows the rail corridor terminating at the LA 21/LA 41 intersections near Bush, Louisiana. Assisted with roadway geometric design including H&V alignment, hydraulic design for storm drains, CDP's and open ditches, structural design analysis and QC, Traffic management plans and roadway plan production for the new 5.5 mile 4-lane RA-3 roadway from LA 435 to Bush, LA.
07/13 – 06/16	**BAYOU MERCIER ROAD/BERARD CANAL BAYOU, LADOTD:** St. Martin Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a quad-beam concrete structure.
07/13 – 02/17	**DERRICK ROAD BRIDGE, LADOTD:** Iberville Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
07/13 – 02/17	**JUDE & PLACIDE ROAD BRIDGES, LADOTD:** Vermilion Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridges timber structures with slab span, concrete structures.
07/13 – 10/16	**CITY OF THIBODAUX OVERLAY PROJECTS, LADOTD:** Lafourche Parish, LA. Project Engineer. Project required chip sealing, joint & crack sealing, resurfacing and complete pavement replacement for four separate locations in the city of Thibodaux, LA. The goal was to prolong the life of the existing pavements by preventing future deterioration and/or rehabilitating the existing pavements. Assisted with roadway geometric design including horizontal alignments, selection of treatment type for pavements, hydraulic design for storm drains, CDP's and open ditches and roadway plan production.
09/13 – 02/17	**PECAN ISLAND ROAD BRIDGE OVER THE CHENAL, LADOTD:** Pointe Coupee Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a customized slab span, concrete structure.
07/13 – 02/17	**GRACIE LANE BRIDGE, LADOTD:** Iberville Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.

Firm employed by	**Buchart Horn, Inc.**		
Name	**Kevin Gaspard, PE**	Years of relevant experience with this employer	2
Title	Senior Civil Engineer	Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization		B.S. / 1984 / Civil Engineering	
Active registration number / state / expiration date		23835 / Louisiana / 03-31-2023	
Year registered	1990	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. Gaspard is a Senior Transportation Engineer who joined BH's Baton Rouge team in 2020 after retiring from LADOTD. While at LADOTD, he worked in the Road Design section for nine years as a design team leader and 24 years as the Pavement and Geotechnical manager at the Louisiana Transportation Research Center. He has over 60 publications in International Journals. Mr. Gaspard has over 38 years of engineering experience and is a highly skilled Project Manager.*
01/21 – Ongoing	**NEW ROUNDABOUT, PARISH ROAD 929 AT PARKER ROAD:** Ascension Parish, Prairieville, LA. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and construction engineering and inspection.
04/21 – Ongoing	**NEW ROUNDABOUT AT LA 931 AND RODDY ROAD:** Ascension Parish, Gonzales, LA. This intersection historically involved high frequency and high severity crashes. This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval.
03/20 – Ongoing	**CITRUS BOULEVARD IMPROVEMENTS TRAFFIC ENGINEERING:** Jefferson Parish, LA. BH provided traffic engineering and related services for upgrades of two intersections along Citrus Boulevard, in conjunction with roadway improvements, to accommodate the installation of a left turn lane, as well as removal and replacement of detection loops. The project included minor improvements at two intersections: Modification of a traffic signal due to the addition of left turn movement at Edwards Avenue and Citrus Boulevard and removal and replacement of loops at Dickory Avenue and Citrus Boulevard intersection. Plans provided to Jefferson Parish consisted of a traffic signal layout, including a phasing, signal wiring, an electrical schedule, signal head types, and sign layouts. Existing signal equipment in the field was inventoried and coordinated with the parish to determine best means of utilizing existing equipment.
03/20 – Ongoing	**I-110 AT TERRACE AVENUE RAMP MODIFICATION CONSTRUCTION SERVICES, LADOTD:** Baton Rouge, LA. BH designed street lighting associated with the construction of a new off-ramp from I-110 in Baton Rouge and is now providing construction administration services for the portion of the project designed by us. Services to be performed by BH include review contractor electrical submittals, attending periodic meetings, providing electrical as built plans and O&M manual, and providing an Arc-flash report. DOTD will provide inspection services for the ramp reconstruction and improvements.
08/20 – 08/21	**WEST METAIRIE AVENUE RESTORATION, INFINITY ENGINEERING CONSULTANTS:** Jefferson Parish, LA. Provided condition assessment, design, and construction documentation for the replacement of failed concrete panels, drainage structure repairs, and canal banks slope stabilization.

Firm employed by	**Buchart Horn, Inc.**		
Name	**Caldwell (Cal) P. Joy, PE**	Years of relevant experience with this employer	1.5
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		B.S. / 2012 / Civil Engineering	
Active registration number / state / expiration date		43830 / Louisiana / 03-31-2024	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Roadway Design**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Joy has more than 9 years of experience in the field of civil engineering. Design projects he has worked on include roadway rehabilitation, new construction, widening, sidewalk design, signal design, standard intersection, and roundabout design for state highways and local roads. He is primarily responsible for design plan preparation and detailing, typical section development, design quantity calculations, and cost estimation, which require extensive use of MicroStation and InRoads.*
02/21 – Ongoing	**HOUMA-THIBODAUX TO I-10 CORRIDOR ENVIRONMENTAL IMPACT STATEMENT (EIS), LADOTD:** Southeastern LA. Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Project Manager
02/21 – 07/21	**US 84 IMPROVEMENTS, LADOTD:** Winnfield, LA. Performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies.
06/21 –Ongoing	**NEW ROUNDABOUT AT LA 931 AND RODDY ROAD, ASCENSION PARISH:** Gonzales, LA. This intersection historically involved high frequency and high severity crashes. This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval.
03/21– Ongoing	**LA 3040 CORRIDOR IMPROVEMENTS STUDY, LADOTD:** Houma, LA. BH performed a study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered.
06/21– Ongoing	**SAFETY STUDIES FOR US 61 FROM CARDINAL DRIVE TO BERT STREET, LADOTD:** LaPlace, LA. BH performed a study to identify safety issues along approximately three miles of Airline Highway (US 61) in Laplace, LA and evaluate reasonable alternatives to address the issue(s). The approximate intersection termini are Bert Street and Cardinal Drive. Project Manager
02/21 – 02/21	**I-110 LIGHTING DESIGN FROM NORTH STREET TO PLANK ROAD, LADOTD:** Baton Rouge, LA. BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project.
03/21 – 10/21	**RETAINER CONTRACT FOR SAFETY STUDIES, LADOTD:** Statewide. BH was awarded a five-year retainer contract for planning studies. Tasks will include Feasibility and Planning studies (referred to by the LADOTD as "Stage 0" Studies), road safety studies, preliminary and final road design plan development, specifications, and engineers' estimates for low-cost safety improvements, safety effectiveness evaluations, crash evaluations, and traffic analysis.

Firm employed by	**Buchart Horn, Inc.**		
Name	**Joseph F. Mingo, PE**	Years of relevant experience with this employer	8
Title	Civil 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		43700 / Louisiana / 03-31-2024	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Roadway Design**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Mingo has more than 8 years of experience working on projects related to road design. He has worked on roadway rehabilitation, widening, roundabout, and lighting design projects. His primary responsibilities include design development, design plan preparation and detailing, design quantity calculations, and cost estimation. These duties require extensive knowledge and use of MicroStation and InRoads design software.*
02/16 – 01/17	**STAGE 0 STUDY, EAST VINE STREET (US 190), LADOTD:** Opelousas, LA. Preparation of a Stage 0 Study to evaluate the feasibility of resolving subsurface utility, clear zone, and roadway corridor inadequacies along East Vine Street (US 190) for approximately 2.10 miles from the intersection of LA 104 and US 190 to the merge of East Vine Street and East Landry Street.
08/15–Ongoing	**HOUMA-THIBODAUX TO I-10 CORRIDOR ENVIRONMENTAL IMPACT STATEMENT (EIS), LADOTD:** Southeastern LA. Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Project Designer responsible for meeting materials, report preparation, and cost estimation.
06/14 – 07/20	**US 84 IMPROVEMENTS, LADOTD:** Winnfield, LA. Performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies. Project Designer responsible for report preparation.
03/19 – 06/20	**LA 117 FROM LA 8 TO LA 118 FEASIBILITY AND PLANNING STUDY AND ENVIRONMENTAL INVENTORY, LADOTD:** Leesville, LA. BH performed a Feasibility and Planning Study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study compared correcting vertical and horizontal geometry along with adding shoulders to adding passing lanes and turn lanes at strategic locations. Environmental impacts and cost estimates were prepared. Project Designer responsible for assisting with concept development and project exhibits.
09/15 – 03/17	**LA 19 WIDENING (LA 64 TO SUNSET BOULEVARD), FEASIBILITY AND PLANNING STUDY, LADOTD:** Baton Rouge, LA. BH prepared a Feasibility and Planning Study and Environmental Inventory according to the LADOTD Manual of Standard Practice to evaluate the feasibility of widening 1.4 miles of LA 19 from LA 64 to Sunset Boulevard per the Cooperative Endeavor Agreement (CEA) between LADOTD and the City of Zachary. An additional cost estimate was developed at the request of the client for the widening of LA 19 from LA 64 to Montegudo Boulevard. Project Designer responsible for alternative development, crash and safety analysis, environmental documentation, report preparation, and cost estimation.
06/19 – 02/21	**US 167 FEASIBILITY AND PLANNING STUDY, ELSIE STREET TO GILBERT DRIVE, LADOTD:** Ville Platte, LA. BH prepared a feasibility and planning study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared. Project Engineer responsible for CATscan safety analysis.
10/17 –Ongoing	**NEW ROUNDABOUT, PARISH ROAD 929 AT PARKER ROAD, ASCENSION PARISH:** Prairieville, LA. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and construction engineering and inspection. Project Designer Project Engineer responsible for using MicroStation and InRoads to design and prepare plans for a single-lane roundabout as a part of the MoveAscension initiative, using LADOTD HYDR programs and InRoads Storm & Sanitary to design the subsurface drainage, and coordinating with the client to incorporate any wants and concerns.

Firm employed by	**G.E.C., Inc.**		
Name	**Keith Rebello, PhD, PE**	Years of relevant experience with this employer	24
Title	Structural Engineer	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization	BS / 1983 / Civil Engineering; MS / 1986 / Civil Engineering; PhD / 1990 / Civil Engineering		
Active registration number / state / expiration date	24937 / Louisiana / 03-31-2023		
Year registered 1992	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).
	*Dr. Rebello has 31 years of structural engineering experience following his research work on non-linear deformation behavior of pre-stressed concrete bridges. His bridge design experience encompasses both structural steel and pre-stressed concrete structures including pre-stressed concrete I-girders, steel plate, steel box girders, long span steel trusses, horizontally curved steel plate girders, post tensioned segmental precast/cast in place box girders, and welded steel plate girders. He has designed and managed a variety of structural projects involving complex interstate & highway bridges (new, replacement, rehabilitation and widening), retaining walls, noise walls, buildings, water and wastewater treatment facilities, hurricane protection systems & hydraulic structures. He has experience in rating of bridges in accordance with LADOTD and AASHTO MBE requirements and performed ratings using AASHTOWare Bridge Rating (Virtis) Software & finite element analysis where required.*
01/14-05/17 **SECTION 17 PROJECT**	**H.004987 / US 190/COLLINS BOULEVARD WIDENING (LA 25 TO US 190B) ENVIRONMENTAL ASSESSMENT: Covington, LA.** *Line and Grade, Structural Engineer*- Mr. Rebello served as a structural engineer for the line and grade study for this EA with FONSI for the widening of approximately 3 miles of U.S. Hwy 190. This project 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.
08/05-07/13 **SECTION 17 PROJECT**	**840-43-0001 / FORT BUHLOW BRIDGE: Alexandria, LA.** *Structural Engineer* - Dr. Rebello performed design for the line and grade study of a new 0.6-mile bridge spanning the Red River. He developed alternative designs employing pre-stressed concrete and steel girder spans and segmental concrete box girders spans. He prepared preliminary plan alternative layouts for curved steel girder ramps and bridge plans for an overpass over a railroad, using conventional precast pre-stressed concrete girders. Ultimately, the bridge was designed with AASHTO 72" Type BT girder spans and a 1000', 3-span steel girder unit over the channel.
07/15-Present	**H.004273.5 / I-49 CONNECTOR: Lafayette Parish, LA.** *Structural Engineer* - This project includes bridge design and construction of a freeway with accompanying interchanges in the Evangeline Thruway US 90/US 167 corridor and flanking collector/distributor roads for local traffic circulation and land access. The project begins just south of the Lafayette Regional Airport and continues north to the I-10/US 167/I-49 interchange, a length of approximately five miles. During the Supplemental Environmental Impact Statement, Dr. Rebello performed grillage analyses to design three-span continuous steel tub girders as a viable alternative to other bridge span types as a part of the updated line and grade study.
02/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Bridge Task Lead* - Dr. Rebello is Bridge Task Lead for the GEC/Boh Bros team. He has been responsible for engineering and design quality services necessary to complete the design and construction of the I-10 & I-12 College Dr. Flyover Project. The Flyover was designed and construction plans were developed to permit a two-phase construction in order to maintain at least two lanes of traffic at all times. Dr. Rebello designed the two-span continuous (180 feet per span) steel superstructure for the flyover as well as rolled steel girder spans for widening the existing I-10 westbound bridge over Ward Creek. He has also designed and developed plans for retaining walls for the entire project and is currently working on the design of the required sound barriers.

Firm employed by	**G.E.C., Inc.**
Name	**Keith Rebello, PhD, PE** *Continued Resume*
04/13-08/22	**H.011207 & H.011239 / LA 1 BRIDGE, LEEVILLE TO GOLDEN MEADOW: Lafourche Parish, LA.** *Structural Engineer* - Dr. Rebello serves as a Structural Engineer as part of a team involved in the design of the widening of an existing bridge and the construction of a new bridge totaling 6,500 feet in length. The variably widened portion of the bridge consists of prestressed concrete Type III girder spans. The new bridge portions will be supported on special new Louisiana (LG) girders. Dr. Rebello performed the LRFR rating on the existing girders and pile bents to assess the structural feasibility for widening. Dr. Rebello was responsible for ensuring that all updated AASHTO and LADOTD specifications were incorporated into the design. Once the widening was deemed feasible, and all design completed, Dr. Rebello performed an as-designed rating on the entire structure.
06/12-Present	**H.003074 / I-10 NEW ORLEANS, WILLIAMS TO VETERANS: New Orleans, LA.** *Structural Engineer* - Dr. Rebello was in charge of bridge load rating of existing bridges, bridge design management, and structural design for this complex project. Initial extensive load rating of the existing bridges done at GEC, resulted in LADOTD making an informed decision to replace the bridges. Dr. Rebello supervised the structural design of all components of the replacement bridges – deep foundations, bridge piers, and steel and pre-stressed concrete bridge superstructure. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design. Dr. Rebello supervised and performed superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.58 mile urban interstate project. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made regarding widening or replacing the existing bridges. The data supported bridge replacement. Dr. Rebello, lead designer for the superstructure design, included composite pre-stress and steel girder span. All pre-stress girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specifications.
04/19-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Structural Design* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Dr. Rebello performed an investigation of the 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 investigation will start with an in-depth investigation of the bridge superstructure and substructure. The inspection report will provide Condition Ratings for the superstructure, substructure, and piles. The Condition Ratings will be used in the performance of a bridge load rating based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. (City-Parish Project No. 19-CP-HC-0034)
07/09-06/12	**LAKE PONTCHARTRAIN, LA AND VICINITY, HURRICANE PROTECTION PROJECT LPV 17.2, BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE: Jefferson Parish, LA.** *Structural QA* - Dr. Rebello performed bridge and structural design in the final phases of this project, which included 1200' of new NB and SB elevated bridge structures from 6th street to foot of existing bridge with 40-foot-high structure mounted light fixtures. Design consisted of slab spans & Type III PPC girder spans. Design also included a floodwall (T-wall) at existing levee crossing grade.
11/18-07/20	**I-10 SERVICE ROAD BRIDGES: Slidell, LA.** *Project Manager (Structural)* - This project includes the replacement of a 5 span 100' long concrete slab span bridge over Reine Canal and 5 span 100' long slab span bridge with 30-degree skew over French Branch Canal. Dr. Rebello is the structural project manager for this project and oversaw the structural design, plan preparation and Q.C.
07/93-07/96	**450-10-0099 & 454-01-0054 / I-10 & I-12 WIDENING: Baton Rouge, LA.** *Structural Engineer* - For this 4.65 mile project, Dr. Rebello designed and prepared plans for three steel plate girder spans averaging 160' and a rolled steel girder span. Performed bridge geometry calculations and checked pre-stressed girders and bents designed by others.

Firm employed by	**G.E.C., Inc.**		
Name	**Varaprasad Venkata, PE**	Years of relevant experience with this employer	14
Title	Senior Civil/Structural Engineer	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	B.S. / 1992 / Civil Engineering M.S. / 1995 / Structural Engineering		
Active registration number / state / expiration date	40594 / Louisiana / 09-30-2024		
Year registered 2016	Discipline: Professional Engineer, Structural		
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. Venkata has 24 years of structural engineering experience involving highway bridges, low & high mast light pole supports, highway sign supports, hurricane protection systems, water treatment and distribution facilities, and industrial structures. He has provided design services for state agencies inclusive of FHWA funding, tolling commissions, as well as non-state entities and private industry. His design experience includes AASHTO structural sign supports for highway signs, traffic signal supports, camera pole platforms and supports, DMS sign supports and main platforms, and low and high mast light pole attachments and foundations. His bridge design experience includes the widening of existing structures and new structures for highly congested interstates and major highways, which includes, but not limited to, the design of pile bents, column bents, PSC girders, concrete deck, pre-stressed Type III girder spans, and steel girders.*
01/14-05/17 **SECTION 17 PROJECT**	**H.004987 US 190/COLLINS BOULEVARD WIDENING (LA 25 TO US 190B) ENVIRONMENTAL ASSESSMENT: Covington, LA.** *Line and Grade, Structural Engineer*- Mr. Venkata served as a structural engineer for the line and grade study for this EA with FONSI for the widening of approximately 3 miles of U.S. Hwy 190. This project 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.
2005-2010 **SECTION 17 PROJECT**	**700-28-0004 / US 71/165 FORT BUHLOW BRIDGE AND APPROACHES OVER THE RED RIVER: Alexandria, LA.** *Structural Engineer* - Mr. Venkata performed preliminary structural design during the line and grade study and final design of pile supporting column bents for approaches on both northbound & southbound bridges. He performed checking of design calculations for the 72" deep Bulb-T prestressed girder design for approaches as part of the QC process. He also checked the pier design for the main bridge which was a continuous steel girder unit consisting of spans of 300', 400' and 300' for a total length of 1000'. GEC prepared final bridge and roadway plans after completing feasibility, line and grade study, traffic study & environmental assessment.
04/19-12/21	**H.013542 / CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Structural Engineer* - This project included the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek with a 4-span 80-foot long slab span bridge and the existing Sarasota Drive bridge over Engineers Depot Canal with a 5-span 105-foot long (20', 20', 25', 20', 20') slab span bridge. Both bridges will have pedestrian walks and are located in Baton Rouge, Louisiana. Mr. Venkata performed final design calculations, plan preparation and as-designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications, the ASASHTO Manual for Bridge Evaluation, and the LADOTD Bridge Design Manual. (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)
2016	**ALMONASTER AVENUE BRIDGE: New Orleans, LA.** *Structural Engineer* - This project consisted of preparing preliminary and final bridge design and electrical operation of the proposed in-line replacement of the existing Strauss Heel Trunnion Bascule Bridge with a new proposed rolling lift bascule bridge. GEC performed the preliminary movable bridge structural superstructure design calculations for the proposed combination highway and railway steel trusses, portals, sway frames, stringers, girders, floorbeams, diaphragms, bearings, track girders rack frames, counterweights, open grid floorings, and barriers for the proposed single leaf scherzer rolling lift bascule movable 204' span. GEC also performed the preliminary electrical design.

Firm employed by	**G.E.C., Inc.**
Name	**Varaprasad Venkata, PE** *Continued Resume*
07/12-2021	**H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: New Orleans, LA.** *Structural Engineer* - Mr. Venkata performed superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.28-mile urban interstate. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made on whether to widen or replace the existing bridges at Veterans crossing. Mr. Venkata performed structural design of Pile bents, column bents, LG type PSC Girders, steel plate girders, bearing pads, deck slabs, curtain walls for new Southbound bridge, Northbound bridge and off Ramp to Veterans Blvd. in accordance with AASHTO LRFD Bridge design specifications and LADOTD BDEM. He also assisted in the development of plans and specs. Mr. Venkata worked on design and as designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications and LADOTD Bridge design standards. In addition, Mr. Venkata provided design of two structure-mounted trusses (overhead and cantilever) for relocated signs.
09/20-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Bridge Design* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Venkata performed QC checks on bridge rating calculations to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM and AASHTO Manual of Bridge Evaluation. Based on the load rating, it was recommended that the existing bridge be replaced. Mr. Venkata performed the feasibility review of phased construction of the new replacement bridge, maintaining two lanes of traffic in each direction during all phases of construction. He developed a new widened bridge layout plan with 3-phases of construction. (City-Parish Project No. 19-CP-HC-0034)
07/07-07/11	**HIGHLAND ROAD (LA 42) IMPROVEMENTS (PERKINS TO AIRLINE): Baton Rouge, LA.** *Structural Design* - Mr. Venkata designed new bridge crossings at both Ward's Creek and Old Ward's Creek and tied to completed intersection improvements at Perkins Road and at Airline Highway. The bridges are 240' (6 spans at 40') and 160' (4 spans at 40') in length respectively composed of quad beams or 24" pile bents all designed from AASHTO LRFD.
2016	**GREATER NEW ORLEANS EXPRESSWAY COMMISSION, 9-MILE TURNAROUND SPANS, CROSSOVER #5 EXPANSION, CAUSEWAY BRIDGE: Mandeville, LA.** *Structural Engineer* - Mr. Venkata performed final structural design calculations of PSC Girders, Pile Bents with 36" diameter Cylinder piles and deck slab for Crossover #5 Extension for Causeway Bridge. Hurricane Katrina severely damaged the access ramps on the 9-Mile Turnaround. GEC conducted a detailed damage assessment and coordinated with DOTD and FHWA to obtain Hurricane Katrina Emergency Relief Program Permanent Restoration funding for the repair of the turnaround. Permanent Restoration funding is used to modify existing structures in order to minimize the damage from future events. An economic study was performed and it was determined that the most prudent course of action was to widen Crossover #5 instead of rebuilding the ramps to the turnaround. This project constructed a platform between the NB and SB bridges that is approximately 120 ft long by 80 ft wide. The platform, constructed of AASHTO Type IV PPC Girders, is designed for full vehicle loading and the placement of a communications tower.
11/18-07/20	**I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA.** *Structural Engineer* - This project included the replacement of a 5 span 100 feet long concrete slab span bridge over Reine Canal and 5 span 100 feet long slab span bridge with 30-degree skew over French Branch Canal. Mr. Venkata worked on design and as designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications and LA DOTD Bridge design standards.

Firm employed by	**T. Baker Smith, LLC**		
Name	**TJ Stokes, PE**	Years of relevant experience with this employer	2
Title	Lead Professional, Utility Engineering	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		B.S. / 2009 / Industrial Engineering	
Active registration number / state / expiration date		40079 / Louisiana / 03-31-2024	
Year registered	2015	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **SUE Engineer**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
07/21 – Ongoing	**MA-20-01, MOVE ASCENSION BLUFF ROAD, LA 73 CONNECTOR:** Ascension Parish Government, Ascension Parish, LA – Project Manager. Provided Subsurface Utility Engineering for the Bluff Road - LA 73 Connector project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
02/22 – 05/22	**MOVE ASCENSION PARKER ROAD AND LA 929 WIDENING, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Lead Professional. Provided Subsurface Utility Engineering for the Parker Road and LA 929 Widening project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
07/21 – 02/22	**MA-22-01, MOVE ASCENSION LA 73 - BLUFF ROAD CONNECTOR ROUNDABOUT:** Ascension Parish Government, Ascension Parish, LA – Lead Professional. Provided Subsurface Utility Engineering for the LA 73 - Bluff Road Connector Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
08/22 - Ongoing	**MOVE ASCENSION, LA 44 & PARKER ROUNDABOUT, SUBSURFACE UTILITY ENGINEERING, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Lead Professional. Provided Subsurface Utility Engineering for the LA 44 & Parker Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
04/22 – 05/22	**HARRISON AVENUE IMPROVEMENTS (US 190 - LA 59):** SUE Engineer. Performed subsurface utility engineering and related services scope of work necessary to support the design of the widening of Harrison Ave. from US 190 to LA 59 in Covington, LA for St. Tammany Parish. The provements along Harrison Ave. include approximately 13,200 feet of roadway widening along existing alignment including the installation of a raised median, construction of single lane roundabouts at Marigold Drive and Falconer Drive and various features such as bulb outs and R-CUT intersection treatments.
01/22 - Ongoing	**SAFETY WIDENING OF RODDY ROAD (US 61 TO LA 935):** SUE Engineer. Provided Subsurface Utility Engineering and R/W Mapping for the for the Roddy Road Safety Widening from US 61 to LA 935 as part of the Move Ascension Program. Project included geometric improvements to be made at the LA 429 intersection including Left-turn bays on the EB, WB and SB approaches and right-turn bays at the NB and SB approaches; Geometric improvements at LA 935 to include Left-turn bays at the EB, NB and SB approaches, right-turn bays at the NB approach; replacement of the bridges over New River and Bayou Narcisse.

Firm employed by	**T. Baker Smith, LLC**		
Name	**Brian Hugman, PE**	Years of relevant experience with this employer	1
Title	Project Manager	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		B.S. / 2006 / Civil Engineering	
Active registration number / state / expiration date		46487 / Louisiana / 09-30-2024	
Year registered	2022	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **SUE Engineer**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/22 – 05/22	**MOVE ASCENSION PARKER ROAD AND LA 929 WIDENING:** Ascension Parish Government, Ascension Parish, LA – SUE Project Manager. Provided Subsurface Utility Engineering for the Parker Road and LA 929 Widening project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
07/22 – Ongoing	**MA-22-01, MOVE ASCENSION LA 73 - BLUFF ROAD CONNECTOR ROUNDABOUT:** Ascension Parish Government, Ascension Parish, LA – SUE Project Manager. Provided Subsurface Utility Engineering for the LA 73 - Bluff Road Connector Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
08/22 – Ongoing	**MOVE ASCENSION, LA 44 & PARKER ROUNDABOUT, SUBSURFACE UTILITY ENGINEERING, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – SUE Project Manager. Provided Subsurface Utility Engineering for the LA 44 & Parker Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
01/22 – 07/22	**IDIQ SUE SERVICES, TASK ORDER NO. 2, LA 594 OVERPASS AT I-20:** Statewide, LA – SUE Project Manager. Reviewing the drawings prepared of the subsurface utilities that were collected from records, surveyed features and geophysical methods. Responsible for reviewing the survey file depicting the type and horizontal location of the utilities in accordance with ASCE 38-02.
04/22 – 10/22	**MOVEBR PLANK NICHOLSON BRT:** Baton Rouge, LA – SUE Project Manager. Provided SUE services for 15 designated project sites along the Plank-Nicholson Bus Rapid Transit (BRT) Route.
08/19 – 06/19	**IH 45 RECONSTRUCT TEXAS CITY WYE PS&E, TXDOT:** Galveston County, TX – Brian reviewed the existing utilities from SUE within the project limits for the design of the proposed paving and drainage construction by TxDOT. He was responsible for the utility conflict management and coordination with the design plans. (Previous Employer)
03/18 – 05/18	**IH 610 ELEVATED BUS LANE FROM POST OAK BLVD TO IH 10, TXDOT:** Houston, TX – Brian provided oversight of the relocation and inspection of various utilities in conflict with the proposed paving and drainage construction by TxDOT. Provided engineering services including conflict analysis, subsurface utility engineering, and utility coordination. (Previous Employer)

Firm employed by	**T. Baker Smith, LLC**		
Name	**Jean Reulet, III, PLS**	Years of relevant experience with this employer	1
Title	Sr. Project Manager	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		B.S. / 2011 / Geomatics	
Active registration number / state / expiration date		5145 / Louisiana / 03-31-2024	
Year registered	2015	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		Role on this Project: **Land Surveyor**	

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).
06/20 – 06/21	**MULTIPLE S.P. NOS., CONTRACT NO. 4400017597, RURAL BRIDGE REPLACEMENT INITIATIVE:** Southern LA – Survey Dept. Assistant Manager. Performed data processing, project QAQC and management for Topographic Survey.
03/21 – 06/21	**H.010885, LA 91:** Bayou Plaquemine Brule Br Replace: Estherwood, LA – Survey Dept. Assistant Manager. Performed data processing, project QAQC and management for Topographic Survey.
04/20 – 11/20	**H.000688, US 11 NORFOLK SOUTHERN RR OVERPASS (HBI):** Slidell, LA – Sr. Project Manager. Performed data processing and project QAQC for Topographic Survey.
04/20 – 06/20	**H.000284, US 90:** Pearl River Bridges (HBI): Orleans Parish, LA – Sr. Project Manager. Performed data processing, project QAQC and management for Topographic Survey, Mobile LiDAR Scanning project.
01/20 – 08/20	**H.010652, LA 73:** US 61 (Airline) – Essen Lane: Baton Rouge, LA – Sr. Project Manager. Performed data processing, project QAQC and management for Topographic Survey, Mobile LiDAR Scanning project.
06/19 – 08/19	**H.004791, LA 23:** Belle Chasse Bridge & Tunnel (HBI): Belle Chasse, LA – Sr. Project Manager. Performed data processing, project QAQC and management for Topographic Survey.
08/19 – 11/19	**H.011645, LA 3002 ACCESS MANAGEMENT:** Denham Springs, LA – Sr. Project Manager. Performed data processing, project QAQC and management for Topographic Survey, Mobile LiDAR Scanning project.
04/19 – 04/19	**H.005121, I-10 TO LA 1 CONNECTOR:** W. Baton Rouge Parish, LA – Sr. Project Manager. Performed data processing, project QAQC and management for Topographic Survey.
01/19 – 04/19	**H.012735, LA 182 BARROW ST. BRIDGE:** Houma, LA – Sr. Project Manager. Performed data processing, project QAQC and management for Topographic Survey.
10/18 – 04/19	**H.012591, I-10 PARIS ROAD – LAKE PONTCHARTRAIN:** Orleans Parish, LA – Sr. Project Manager. Performed data processing, project QAQC and management for Topographic Survey, Mobile LiDAR Scanning project.
05/18 – 12/18	**H.011670, LOYOLA INTERCHANGE IMPROVEMENTS:** Kenner, LA – Sr. Project Manager. Performed data processing, project QAQC and management for Topographic Survey.
03/17 – 04/18	**H.004987, US 190 COLLINS BLVD. WIDENING:** Covington, LA – Sr. Project Manager. Performed data processing, project QAQC and management for Topographic Survey.

Firm employed by	**T. Baker Smith, LLC**		
Name	**Kaleb Brooks**	Years of relevant experience with this employer	1
Title	SUE Field Manager	Years of relevant experience with other employer(s)	6
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: **SUE Field 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).
09/21 - 11/21	**MA-20-01, MOVE ASCENSION BLUFF ROAD, LA 73 CONNECTOR:** Ascension Parish Government, Ascension Parish, LA – Senior SUE Technician / Field Manager. Provided Subsurface Utility Engineering for the Bluff Road - LA 73 Connector project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
02/22 - 05/22	**MOVE ASCENSION PARKER ROAD AND LA 929 WIDENING, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Senior SUE Technician / Field Manager. Provided Subsurface Utility Engineering for the Parker Road and LA 929 Widening project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
07/22 - Ongoing	**MA-22-01, MOVE ASCENSION LA 73 - BLUFF ROAD CONNECTOR ROUNDABOUT, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Senior SUE Technician / Field Manager. Provided Subsurface Utility Engineering for the LA 73 - Bluff Road Connector Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
08/22 - Ongoing	**MOVE ASCENSION, LA 44 & PARKER ROUNDABOUT, SUBSURFACE UTILITY ENGINEERING, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Senior SUE Technician / Field Manager. Provided Subsurface Utility Engineering for the LA 44 & Parker Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.

Firm employed by	**T. Baker Smith, LLC**		
Name	**Marshall Pounds**	Years of relevant experience with this employer	2
Title	Utility Coordination Manager	Years of relevant experience with other employer(s)	25
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: **Utility Coordination 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).
11/19 – 04/22	**14TH STREET DRAINAGE IMPROVEMENT PROJECT:** Galveston, TX. City of Galveston – Utility Engineering Coordinator. Provided QA/QC of draft SUE report deliverable.
12/21 - Ongoing	**MA-17-02, RODDY ROAD WIDENING (LA 935 TO LA 61), ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Utility Engineering Coordinator. Provided LA One Call scheduling and coordination for the for the Roddy Road Safety Widening from US 61 to LA 935 as part of the Move Ascension Program. Project included geometric improvements to be made at the LA 429 intersection including Left-turn bays on the EB, WB and SB approaches and right-turn bays at the NB and SB approaches; Geometric improvements at LA 935 to include Left-turn bays at the EB, NB and SB approaches, right-turn bays at the NB approach; replacement of the bridges over New River and Bayou Narcisse.
12/21	**MA-17-02, RODDY ROAD WIDENING (LA 935 TO LA 61), ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Utility Engineering Coordinator. Provided LA One Call scheduling and coordination.
04/22 – 05/22	**HARRISON AVE. IMPROVEMENTS (US 190 TO LA 59) ST. TAMMANY PARISH GOVERNMENT:** St. Tammany Parish, LA – Utility Engineering Coordinator. Provided utility coordination review, preparation and research necessary to support the design of the widening of Harrison Ave. from US 190 to LA 59 in Covington, LA for St. Tammany Parish. The improvements along Harrison Ave. include approximately 13,200 feet of roadway widening along existing alignment including the installation of a raised median, construction of single lane roundabouts at Marigold Drive and Falconer Drive and various features such as bulb outs and R-CUT intersection treatments.

Firm employed by	**T. Baker Smith, LLC**		
Name	**Adam Templet**	Years of relevant experience with this employer	1
Title	Sr. SUE Technician	Years of relevant experience with other employer(s)	15
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: **SUE Technician**		

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).
09/21 - 11/21	**MA-20-01, MOVE ASCENSION BLUFF ROAD, LA 73 CONNECTOR, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Sr. SUE Technician. Provided Subsurface Utility Engineering for the Bluff Road - LA 73 Connector project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
02/22 - 05/22	**MOVE ASCENSION PARKER ROAD AND LA 929 WIDENING, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Sr. SUE Technician. Provided Subsurface Utility Engineering for the Parker Road and LA 929 Widening project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
07/22 - Ongoing	**MA-22-01, MOVE ASCENSION LA 73 - BLUFF ROAD CONNECTOR ROUNDABOUT, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Sr. SUE Technician. Provided Subsurface Utility Engineering for the LA 73 - Bluff Road Connector Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
08/22 - Ongoing	**MOVE ASCENSION, LA 44 & PARKER ROUNDABOUT, SUBSURFACE UTILITY ENGINEERING, ASCENSION PARISH GOVERNMENT:** Ascension Parish, LA – Sr. SUE Technician. Provided Subsurface Utility Engineering for the LA 44 & Parker Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.

Firm employed by	**G.E.C., Inc.**		
Name	**Brian Buckel, PE**	Years of relevant experience with this employer	10
Title	Senior Vice President	Years of relevant experience with other employer(s)	31
Degree(s) / Years / Specialization		B.S. / 1981 / Civil Engineering	
Active registration number / state / expiration date		21816 / Louisiana / 09-30-2023	
Year registered	1985	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Constructability Review**	

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. Buckel joined GEC as Senior Vice President of Construction after 31 years of service with LADOTD, where he served as Chief Construction Engineer from 2006 to 2012, managing the Construction Section as well as policy setting of construction projects including implementation for several Alternative Delivery projects. He served as Area Engineer throughout the State of Louisiana for seven years and as District Construction Engineer for seven years, managing the seven parishes under District 02 where he led the state into Superpave, warm mix, and other significant asphalt pavement innovations. Mr. Buckel's portfolio of projects at LADOTD include the most complex construction projects in Louisiana with much of his work being performed in the high density populated and traveled Greater New Orleans area. He leads GEC's Construction Division through the most complicated projects in Louisiana, managing OV for LADOTD DB projects and CEI on DBB projects for major highway and interstate projects, urban and rural, with complex sequence of construction and constructability. He has the following certifications: ATSSA TCT/TCS, ATSSA Flagger*
2012-2013	**LADOTD TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM: Statewide, LA.** *Construction Engineer* - Each project underwent multiple constructability reviews that were either done by or supervised by Mr. Buckel. These detailed reviews resulted in written communication to the design consultants requiring extensive changes to plans and specifications. This was one of the contributing factors to the record of no construction claims. Mr. Buckel managed construction engineering and inspection, contract administration, and dispute resolution of approximately 250 miles of urban and rural four-lane highway and bridges.
05/17-11/21	**H.003014 / I-10, LA 347 TO ATCHAFALAYA FLOODWAY BRIDGE ROUTE: St Martin Parish, LA.** *Principal-in-Charge* - Mr. Buckel served as Project Engineer until October 2018 and was Principal-in-Charge of this project which included full-depth replacement of the pavement within the existing lanes, widening the westbound pavement surface, widening the LA 347 WB overpass, construction of 2 roundabouts on LA 347, and installing concrete median protection. Pavement striping, raised markers, and rumble strips will also be installed. Eastbound I-10 is striped with two 12-foot travel lanes, a 12-foot outside shoulder, and a 6-foot inside shoulder. The westbound pavement is striped for three 12-foot travel lanes, a 12-foot outside shoulder, and a 16-foot inside shoulder. A 54-inch tall concrete median barrier was installed in portions of the project corridor. Openings in the barrier are at the LA 347 interchange, the Bayou Portage bridge crossing, in forested areas of the median, and at approved median crossings.
08/17-07/18	**H.004932 / US 90 (FUTURE I-49 SOUTH), LA 318 INTERCHANGE, ROUTE US 90: St.** *Mary Parish, LA. Principal-in-Charge* - GEC was the Owner Verification Firm (OVF) for this Design-Build Project which included CE&I, Right-of-Way Acquisition and Utility Relocation. As LADOTD's OVF representative, Mr. Buckel served as Principal-in-Charge. GEC provided CE&I oversight of the Contractor's QA firm for compliance with base course, embankment, asphalt paving, and Portland cement concrete paving.
2016	**007232 LAFAYETTE MPO NON STATE PAVEMENT MARKING: Lafayette Parish, LA.** *Project Engineer* - Mr. Buckel served as the PE for DOTD and City of Lafayette on this staff augmentation striping project parish wide. He oversaw the construction and contact administration of the City of Lafayette.
03/17-present	**H.003003 / I-10, LA 328 TO I-49 JCT.: Lafayette and St.** *Martin Parishes, LA. Project Engineer/Principal-in-Charge* - Mr. Buckel served as Project Engineer until October 2018 and is currently Principal-in-Charge of this project that includes full-depth replacement of the pavement within the existing lanes, widening the westbound and eastbound pavement surface, and installing concrete median protection. The project replaces the LA 328 overpass and widens the overpasses and structures on Bayou Teche, Vermillion River, Louisiana Ave, Francis Coulee, and LA 176 (Moss St). Pavement striping, raised markers, and rumble strips would also be installed.

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: **Environmental 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).
	*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	**Shelton Perry**	Years of relevant experience with this employer	34
Title	Vice President/Senior Water Resources Economist	Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization	B.S. / 1971 / Economics, MBA Coursework		
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: **Environmental Justice / Socioeconomics**		

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. Perry has over 44 years of experience in the application of the Economic Principles toward the feasibility and impact study of transportation, coastal, and water resources issues. Mr. Perry serves as an overall project manager on many of the large regional navigation, water supply, natural resources and economic impact studies conducted for the State of Louisiana, Corps of Engineers, EPA, and Navigation districts. He is also an experienced economist and has directed economic impact and market feasibility studies for a variety of projects. Mr. Perry has completed the Corps of Engineers' Planner Orientation Course.*
09/95-06/13 **SECTION 17 PROJECT**	**US 71/165 FORT BUHLOW BRIDGE AND APPROACHES: Alexandria, LA.** *Economist* - Mr. Perry conducted socioeconomics and environmental justice analyses for this feasibility study, line and grade study, traffic studies, and Environmental Assessment with FONSI.
02/17-Present	**THIRD PARTY ENVIRONMENTAL IMPACT STATEMENT (EIS) FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD), CPRA: Plaquemines, LA.** *Economist/Socioeconomics Specialist* –- The Mid-Barataria Sediment Diversion will be the first major controlled sediment diversion reconnecting the Mississippi River with its delta. It is a cornerstone of Louisiana's Coast Master Plan and will provide sediment, water, and nutrients to the Barataria Basin in order to build land and to maintain and sustain wetlands. Mr. Perry serves as an Economist/Socioeconomic Specialist for the development of the Environmental Impact Statement (EIS). He provided expertise, research, and developed the applicable portions of the EIS report and technical documents.
2019	**HOUMA NAVIGATION CANAL (HNC) DEEPENING FEASIBILITY AND EIS: Houma, LA.** *Economist/Socioeconomic Specialist* - The Houma Navigational Canal (HNC) is a 41-mile navigational channel that begins at the Gulf Intracoastal Waterway (GIWW) and extends to the Gulf of Mexico. The feasibility study and Environmental Impact Statement (EIS) will determine if improvements to deepen the HNC are economically justified. As Project Economist, Mr. Perry was responsible for the development of NED benefits for the deepening of the HNC. In this capacity, he coordinated with offshore fabrication interests, shipping interests, and area ports to identify navigation issues of the existing channel and to identify the design depth for the channel. The importance of this project from a socioeconomic perspective is that it serves as a vital employment center for the local population.
04/16-12/18	**BLUESTONE DAM SAFETY MODIFICATION SDEIS USACE, HUNTINGTON DISTRICT: Hinton, WV.** *Project Economist* - Bluestone Dam is important infrastructure in West Virginia because it reduces flood hazards to the entire New River and Kanawha River valleys, all the way through Charleston and to Point Pleasant, and beyond, along the Ohio River. To reduce the risk of dam failure, the U.S. Army Corps of Engineers, Huntington District, is proposing additional significant investments that could take approximately 10 years to implement. The supplemental Draft Environmental Impact Statement (SDEIS) will supplement the 1998 Final Environmental Impact Statement, which was prepared to address modifications needed to safely pass extreme flood events. As Project Economist for this EIS, Mr. Perry analyzed recreation and other social effects attributable to the project.

Firm employed by	**G.E.C., Inc.**		
Name	**Kevin Horn**	Years of relevant experience with this employer	18
Title	Senior Economist	Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization		B.S. / 1969 / Transportation and Accounting; M.B.A. / 1971 / Transportation and Physical Distribution; Ph.D. / 1975 / Logistics and Marketing, Minor in Economics, Industrial Organization	
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: **Environmental Justice / Socioeconomics**	

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).
47 years of experience	*Dr. Horn has over 40 years' experience in transportation planning, research, and analysis. He is a specialist in transportation and freight distribution systems, with a primary focus on transportation logistics and inter-modal interface. He has taught transportation economics and logistics at two universities and published over 40 articles on transportation and logistics. Dr. Horn has worked extensively in transportation with the U.S. Army Corps of Engineers as a self-employed consultant and subcontractor such as with G.E.C., Inc. (prior to 2003). Dr. Horn has performed countless economic studies, environmental justice analysis, and socioeconomic analyses.*
02/17-Present	**THIRD PARTY ENVIRONMENTAL IMPACT STATEMENT (EIS) FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD), CPRA: Plaquemines, LA.** *Economist* -- 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 assesses the potential negative and beneficial impacts associated with the construction and operation of the project and will be consistent with the DWH PDARP/PEIS and associated ROD. Dr. Horn provided economic analyses related to the navigational economic impacts as well as the socioeconomics and environmental justice for this EIS.
2007-2018	**HOUMA NAVIGATION CANAL ECONOMIC FEASIBILITY OF DEEPENING, TRAFFIC STUDY, FEASIBILITY REPORT AND EIS FOR DEEPENING: Houma LA.** *Economist* -- GEC prepared a Feasibility Report and Environmental Impact Statement (EIS) for the Houma Navigation Canal (HNC) Deepening Project under Section 203 of the Water Resources Development Act of 1986 which sufficiently meets all technical requirements to be considered for approval by the Secretary of the Army. Mr. Horn provided economic analysis for numerous projects and phases of this overall project. This project required interviews with over 40 shippers, users and service providers to develop a range of benefits for economic analysis.

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.

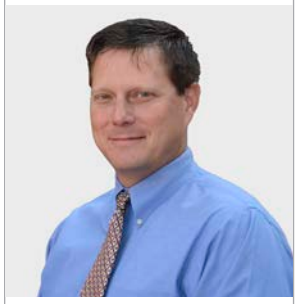
Firm employed by	G.E.C., Inc.
Name	**Richard "Barry" McCoy** *Continued Resume*
02/07-04/09	**HIGHLAND ROAD (LA 42) IMPROVEMENTS (PERKINS TO AIRLINE): Baton Rouge, LA.** *Wetland Scientist* - For this Green Light Plan project, GEC designed additional lanes and a raised median for Highland Road from Perkins 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.

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	**Arcadis**		
Name	**Jason Morrell, PWS**	Years of relevant experience with this employer	9
Title	Senior Ecologist / Project Manager	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		B.S. / 1999 / Agriculture	
Active registration number / state / expiration date		2319 / USA / 04/2023	
Year registered	2013	Discipline	Professional Wetland Scientist
Contract role(s) / brief description of responsibilities		Role on this Project: **Environmental, 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. Morrell has over 20 years of experience in environmental planning and ecology in the southeastern U.S. Prior to joining Arcadis, he served as a NEPA Planner and Ecologist with the Georgia Department of Transportation (GDOT) evaluating environmental effects and completing permitting and environmental documentation for transportation projects. His area of expertise includes wetland studies, biological assessment, and environmental permitting, with a focus on Clean Water Act Section 404 permitting and Section 7 Endangered Species Act (ESA) consultation. He is experienced working with the Federal Highway Administration (FHWA), US Army Corps of Engineers (USACE), US Fish & Wildlife Service (USFWS), and state resource agencies. Since 2011, Mr. Morrell has worked almost exclusively on transportation projects and is an active member of the Transportation Research Board Committee on Environmental Analysis and Ecology.*
04/21 – Ongoing	**RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II – DISTRICTS 02, 03, 07, 61, AND 62, LADOTD:** Multiple Parishes, LA. Project Manager and Environmental Lead for 16 state projects involving replacement of 29 state highway bridges. The environmental scope of services for the projects consists of Solicitation of Views, Wetland Studies, Programmatic Categorical Exclusion Checklists, and permitting including USACE Nationwide Permits (NWPs) and Louisiana Department of Natural Resources Coastal Use permits.
04/16 – Ongoing	**PETE'S HIGHWAY INTERCHANGE ALTERNATIVE AND ENVIRONMENTAL ASSESSMENT, LADOTD:** Livingston Parish, LA. Ecologist: Led a wetland delineation and protected species habitat assessment along Range Road in the vicinity of the I-12 interchange for the proposed interchange improvement project. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, in support of the NEPA Environmental Assessment.
09/2019 – Ongoing	**ENVIRONMENTAL SUPPORT SERVICES IDIQ CONTRACT, GDOT:** Statewide, GA. Project Manager and Ecology Lead: Responsible for management of embedded (support services) ecology and NEPA staff managing environmental studies on behalf of GDOT, including review of consultant documents. Design and develop ecology initiatives for the GDOT Office of Environmental Services (OES) including guidebooks and toolkits to update the Environmental Procedures Manual, training materials for contractor prequalification, applications to streamline National Marine Fisheries Service Section 7 ESA and Essential Fish Habitat consultations, and other research initiatives.
07/14 – 07/19	**STATEWIDE ECOLOGY SERVICES IDIQ CONTRACT GDOT:** Statewide, GA. Deputy Project Manager and Ecology Lead: Responsible for managing embedded ecologists assigned management of ecology studies, permitting, and biological assessment for GDOT projects. Negotiated a menu of services task order for on-call environmental studies providing the client the flexibility to complete tasks quickly to meet project delivery schedules. Managed preparation and provided technical review of supporting NEPA documentation for federally funded infrastructure development and improvement projects. Developed ecology toolkits, guidance documents, and templates for GDOT use and publication in collaboration with regulatory agencies and GDOT staff. Managed a research project evaluating the effectiveness of migratory bird mitigation measures on transportation projects and providing recommendations to GDOT for best management practices.
10/15 – 04/18	**NORTH BAYOU BLACK DRIVE/HANSON CANAL BRIDGE (OSBP) – LADOTD:** Terrebonne Parish, LA. Ecologist: Completed a technical review of the Biological Resources and Wetland Findings Report, including required exhibits, prepared for replacement of an off-system highway bridge. Findings from the wetland delineation report were used for a USACE Jurisdictional Determination and Section 404 permit application.

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

Firm employed by	**The Lakvold Group, LLC**
Name	**Angela Lemoine-Lakvold, MAI, SRA, R/W-AC** *Continued Resume*
	• 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	B.S. / 2004 / Civil Engineering; M.S. / 2005 / Civil Engineering		
Active registration number / state / expiration date	38492 / Louisiana / 03-31-2024; PTOE #3455 / USA / 07/01/2024; PTP #604 / 07/01/2023		
Year registered 2013	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).
	*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, Louisiana. Design Engineer. This project involves the Environmental Assessment completion for proposed improvements to the Chef Menteur Bridge & 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 / PA / 09-30-2023	
Year registered 2017	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

	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	**Gulf South Research Corporation**		
Name	**Eve Carter**	Years of relevant experience with this employer	3
Title	Archaeological Field Technician	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	B.A. / 2017 / Anthropology		
Active registration number / state / expiration date	Registered Archaeologist		
Year registered 2020	Discipline N/A		
Contract role(s) / brief description of responsibilities	Role on this Project: **Archaeological Technician**		

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. Carter's professional experience includes Phase I and II survey and testing in the northeastern and southeastern United States including Louisiana, Mississippi, Texas, New Jersey, Vermont, New Hampshire, and Maine. She has been involved in cultural resource management projects servicing State Parks and National Forests, surveying for major roadway maintenance projects and powerline corridors, and surveying land for the United States military. Projects include large-scale Phase I surveys in Bienville and Homochitto National Forests in Mississippi. Smaller scale Phase I surveys include assisting in expansion efforts for the Dallas-Fort Worth National Cemetery in Texas, surveying land for highway expansion in New Hampshire, and surveying land for solar farm conversions in Maine. She has been involved in Phase II investigations for the Joint Base McGuire-Dix-Lakehurst in New Jersey and for the United States government along the Texas-Mexico border. Ms. Carter has experience as a field technician and as a crew chief, as well as working in a laboratory and office setting. She has assisted on projects working with governmental agencies at the state and federal levels, giving her a familiarity with Section 106 compliance of the NHPA. She has been trained to use both Trimble and Garmin GPS systems as well as having training with ArcGIS. She has conducted artifact processing and analysis and assisted in the writing of technical reports.*
04/20-10/20	**ARCHAEOLOGICAL FIELD TECHNICIAN, PHASE I INTENSIVE ARCHAEOLOGICAL INVESTIGATION OF THE ST. ROSE TO NORCO PIPELINE:** St. Charles Parish, Louisiana. Ms. Carter was involved in a Phase I cultural resources survey with Gulf South Research Corporation. She conducted shovel testing and a pedestrian survey for this project and assisted the field director with data collection and validation.
06/20-9/20	**ARCHAEOLOGICAL FIELD TECHNICIAN. PHASE II NHRP ARCHAEOLOGICAL TESTING OF 9 SITES IN STARR COUNTY:** Texas. Ms. Carter was involved in a Phase II archaeological site testing with Gulf South Research Corporation where she conducted in hand excavated units and artifact recovery associated with nine sites to determine their determination of eligibility for the National Register of Historic Places.
01/20-06/20	**ARCHAEOLOGICAL FIELD TECHNICIAN. PHASE I CULTURAL RESOURCES SURVEY FOR A FIXED REMOTE SURVEILLANCE TOWER SITES IN BROOKS, KENEDY, HIDALGO, AND STARR COUNTIES:** Texas. Ms. Carter was involved in a Phase I cultural resources survey with Gulf South Research Corporation. She conducted shovel testing and a pedestrian survey in this non-collection project and assisted the field director with day to day operations and data collection and validation.
09/19-02/20	**CREW CHIEF, PHASE I CULTURAL RESOURCES SURVEY OF 4,017 ACRES FOR THE BIENVILLE NATIONAL FOREST SERVICE:** Smith, Newton, and Scott County, Mississippi. Ms. Carter served as a crew chief with GSRC for a Phase I cultural resources survey. Leading crews in the field, she assisted the field director in day to day operations and data collection and validation. She participated in shovel testing, artifact recovery, and conducted site boundary delineations. Ms. Carter assisted in the analysis of historical materials as well as contributing to the cultural resources survey report.
03/19-12/19	**ARCHAEOLOGICAL FIELD TECHNICIAN. PHASE I CULTURAL RESOURCES SURVEY OF 38 ACRES FOR THE PROPOSED DALLAS-FORT WORTH CEMETERY EXPANSION AND DEVELOPMENT PROJECT:** Dallas-Fort Worth, Texas. Ms. Carter was involved in a Phase I cultural resources survey with GSRC. She conducted shovel testing and a pedestrian survey in this project and assisted the field director with day-to-day operations and data collection and validation.

Firm employed by	**Gulf South Research Corporation**		
Name	**Alexis Thomas**	Years of relevant experience with this employer	8
Title	Architectural Historian	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	M.S./2016/Urban Studies; M.P.S./2009/Preservation Studies; B.A./2007/Art History		
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: **Archaeological Technician**		

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. Thomas has supervised cultural resource surveys in the Louisiana, Florida, New York, California, Mississippi, Alabama, Texas, Nevada, and Cuba. She has conducted cultural resource surveys for the Department of Defense, Bureau of Reclamation, United States Forest Service, Customs and Border Patrol, and the United States Army Corps of Engineers. Ms. Thomas will be the Architectural Historian responsible for the Historic American Building Survey (HABS)/Historic American Engineering Record (HAER)/Historic American Landscapes Survey (HALS). Ms. Thomas is an architectural historian and will be responsible for the above ground structure surveys, photographic documentation of the historic buildings found.*
11/21-04/22	**ARCHITECTURAL HISTORIAN. HISTORIC STRUCTURES SURVEY FOR HARBORSIDE DEVELOPMENT AT HIDDEN HARBOUR:** Pompano Beach, Broward County, Florida. GSRC was contracted to provide a standing structures (architectural)/built environment survey and analysis of resources that may be impacted by the proposed construction of the Harborside Development at Hidden Harbour Marina, a Department of Housing and Urban Development project. Harborside Development includes a three-story, four-story, six-story, eight-story, and nine-story building, with additional on-site improvements. GSRC was responsible for the development of the Area of Potential Effect, the reconnaissance survey of the project area, the documentation and evaluation of eight resources, and the assessment of effects on any eligible resources.
01/16-06/21	**ARCHITECTURAL HISTORIAN. HISTORIC AMERICAN BUILDING SURVEY (HABS) DOCUMENTATION, HISTORIC LANDSCAPE REPORT AND EXHIBITS:** Ft. Hood, Texas. Ms. Thomas served as the Architectural Historian and conducted a HABS Level II Documentation of the Reynolds House at Ft. Hood, Texas. Ms. Thomas developed a Historic Report of the Reynolds House of Fort Hood, which documented the history of the house, details of the interior and exterior of the building, renovations, and layout. Following the HABS documentation and the HALS report, Ms. Thomas assisted in developing interpretive exhibits outlining the history and significance of both the Reynolds House and Hood Army Heliport.
10/20	**ARCHITECTURAL HISTORIAN. CULTURAL RESOURCE SURVEY AND VIEWSHED ANALYSIS REPORT FOR THE 1006 AND 1008 SKYLAND DRIVE PIER PROJECT:** Douglas County, Nevada. Far Western Anthropological Research Group, Inc., Carson City, Nevada. Ms. Thomas was contracted to provide a cultural resource assessment of built environment resources in advance of the rebuild and extension of a one pier near Glenbrook in Douglas County, Nevada. This project was completed to meet the U.S. Army Corps of Engineer's Section 106 compliance for federal permits.
02/15-10/15	**ARCHITECTURAL HISTORIAN. SECTION 110 ARCHITECTURAL SURVEY OF 29 HISTORIC STRUCTURES AT NAVAL AIR STATION KINGSVILLE, PHASE II:** Kingsville, Texas. Ms. Thomas served as the Architectural Historian and conducted a standing structures (architectural)/ built environment survey in compliance with Section 110 of the National Historic Preservation Act (NHPA) of 1966, as amended, for Naval Air Station Kingsville (NAS Kingsville). Ms. Thomas conducted an assessment and evaluation of structures that had reached 45 years of age, or older, and had not been previously evaluated; were considered a Cold War-era resource and were potentially eligible for inclusion in the National Register under Criteria Consideration G; and were considered a historic or cultural landscape.

Firm employed by	**Gulf South Research Corporation**		
Name	**Mark Hathorn**	Years of relevant experience with this employer	2
Title	Archaeological Technician	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	B.A. / 2017 / Anthropology		
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: **Field Technician**		

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. Hathorn's professional experience as a field technician and as a crew chief includes cultural resources management projects servicing State Parks and National Forests, site damage assessment and mitigation projects, surveying for roadway maintenance projects, and surveying land for the United States Military. Projects include large-scale Phase I cultural resources surveys in Tombigbee, Holly Springs, Bienville, Desoto, and Homochitto National Forests in Mississippi, in south Texas along the Rio Grande, and Ocala and Osceola National Forests in Florida. Phase I cultural resources surveys of parcels in Ascension and Iberville Parishes for proposed new construction projects, and surveys for Harvey Point Base in North Carolina, and Townsend Bombing Range in Georgia, as well as land surveys for the United States Government in upstate New York. He has been involved in Phase II archaeological site testing investigations for the Alabama Army National Guard, and in the city of New Orleans at Iberville, as well as Phase II archaeological site testing in Starr County, Texas.*
04/22-Ongoing	**ARCHAEOLOGIST/ARCHAEOLOGICAL FIELD TECHNICIAN. PHASE I ARCHAEOLOGICAL SURVEY OF 130 ACRES FOR THE CADILLAC HEIGHTS LEVEE:** Dallas County, Texas. Mr. Hathorn served as an archaeological field technician for a Phase I cultural resources survey to identify cultural resources that may be impacted by the proposed Cadillac Heights Levee within the Dallas Floodway Extension within the upper Trinity River Watershed, along the Trinity River. Systematic shovel testing and pedestrian surveys were carried out in this project. Mr. Hathorn also conducted and compiled research for the cultural resources survey report, as well as co-authored the built environment historic context.
05/22-Ongoing	**ARCHAEOLOGICAL FIELD TECHNICIAN. PHASE I CULTURAL RESOURCES SURVEY IN CALDWELL PARISH:** Louisiana. Mr. Hathorn is serving as an archaeological field technician and contributing to the final report of a Phase I cultural resources survey to identify cultural resources that may be impacted by the proposed construction and operation of a new Louisiana Green Fuels Bio-Refinery near the Port of Columbia, Louisiana. Systematic shovel testing and pedestrian surveys have been carried out during this ongoing survey.
01/22-05/22	**ARCHAEOLOGICAL FIELD TECHNICIAN. PHASE I CULTURAL RESOURCES SURVEY OF 1 ACRE FOR THE URSULA PARKING LOT LAND PURCHASE IN MCALLEN:** Hidalgo County, Texas. Mr. Hathorn served as an archaeological field technician for the cultural resources survey of approximately 1 acre in McAllen, Texas. The survey was conducted on behalf of U.S Customs and Border Protection for the proposed development of a parking lot to accommodate the existing and adjacent McAllen Centralized Processing Center (CPC). A pedestrian walkover utilizing 5-meter intervals and the excavation of 2 shovel test pits were caried out during this survey. No cultural materials were recovered.
04/14-10/17	**CURATORIAL ASSISTANT. ARTIFACT CURATION FOR TESTING AND DATA RECOVERY FOR CLEARING AND GRUBBING OF 302 ACRES AT ENGLAND AIRPARK:** Alexandria, Louisiana. Mr. Hathorn assisted the archaeological laboratory director in preparing artifacts and associated documents for curation at the State of Louisiana curation facility in Baton Rouge, Louisiana. This includes properly bagging and labeling artifacts to the repository standards, preparing curation boxes, organizing associated documents, as well as photo documenting culled artifacts and cultural materials that are included in the deliverables for curation.
10/20-02/22	**ARCHAEOLOGICAL FIELD TECHNICIAN. PHASE I ARCHAEOLOGICAL INVESTIGATIONS OF 54 ACRES FOR THE LOUISIANA CORRECTIONAL INSTITUTE FOR WOMEN (LCIW) IN IBERVILLE PARISH:** St. Gabriel, Louisiana. Mr. Hathorn was involved in a Phase I cultural resources survey with GSRC. He conducted shovel testing and a pedestrian survey in this project and assisted the field director with data collection and day to day operations. Mr. Hathorn also assisted in artifact analysis, as well as cataloging and photographing recovered artifacts.

Firm employed by	**Buchart Horn, Inc.**		
Name	**John L. Mettille, Jr.**	Years of relevant experience with this employer	5
Title	Senior Environmental Manager	Years of relevant experience with other employer(s)	40
Degree(s) / Years / Specialization	B.S. / 1978 / Geography and Political Science; MA / 1977 / Transportation and Urban 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: **Public/Stakeholder Outreach**		

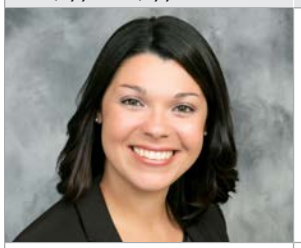
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Mettille is a Senior Environmental Manager for BH's Southern Transportation Operations. He brings extraordinary experience and expertise to our Transportation team. Mr. Mettille began his career in 1977 with the Kentucky Transportation Cabinet's (KYTC's) Division of Environmental Analysis. He served with KYTC for more than 28 years in the following positions: Chief Environmental Program Administrator (CEPA) while Deputy Executive Director of the Office of Project Development and Director, Assistant Director, Branch Manager, and other positions in the Division of Environmental Analysis. Mr. Mettille served as the lead preparer and reviewer for KYTC environmental documents and socioeconomic assessments throughout much of his career there. He also served as the KYTC's NEPA and Section 106 process technical expert. Mr. Mettille is very knowledgeable of the Section 106 process through his experience in managing KYTC's archaeological and historic program and his private sector project experience. Through his presentation and project experiences, Mr. Mettille is well known in the NEPA, CIA, CSS, and Section 106 communities throughout the southeastern US and nationwide.*
03/18 – 08/18	**HOUMA-THIBODAUX TO I-10 CORRIDOR ENVIRONMENTAL IMPACT STATEMENT (EIS), LADOTD:** Southeastern LA. Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Environmental QA/QC Manager responsible for providing technical oversight on the preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10.
1977 - 2005	**KENTUCKY TRANSPORTATION CABINET (KYTC)'S DIVISION OF ENVIRONMENTAL ANALYSIS:** Served in the following positions: Chief Environmental Program Administrator (CEPA) while Deputy Executive Director of the Office of Project Development; Director, Assistant Director, Branch Manager and other positions in the Division of Environmental Analysis. Highlights from his career include: • Served as KYTC's NEPA, Socio-Economic, Community Impact Assessment (CIA), Environmental Justice, and Section 106 process expert. • For over 15 years, he managed the cultural resources staff field investigations, Section 106 report preparations and facilitated many of KYTC's controversial Section 106 consulting party meetings. • Served as the KYTC's environmental lead for the NEPA and Section 106 processes of the Louisville Southern Indiana Ohio River Bridges Mega Project. • Assisted in the development and presentation of Context Sensitive Solutions (CSS) training courses and workshops. • Assisted the Secretary in the Cabinet's environmental stewardship culture change. • Developed and presented the KYTC Environmental Leadership training course. • Developed KYTC's first Cabinet wide environmental policy. • Developed and conducted training on the Cabinet's commitment tracking tool, the "CAP" (Communicating All Promises). • Developed and presented training on the FHWA/KYTC Section 106 Streamlining Agreement. • Developed and implemented a Categorical Exclusion Programmatic Agreement with FHWA.
2005 - 2014	**CDM SMITH, LEXINGTON, KENTUCKY:** Group Leader and Highway/Bridges Environmental Leader; oversaw environmental projects and tasks nationwide, often serving as an environmental quality control task manager or a technical resource for environmental, planning, community and Section 106 issues.

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: St.** *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	**Buchart Horn, Inc.**		
Name	**David M. Britner**	Years of relevant experience with this employer	13
Title	CADD Technician	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		Bossier Parish Community College - Coursework	
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: **CADD**	

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).
28 years of experience	*Mr. Britner has over 28 years of experience in civil design as a CADD Technician. His civil experience includes highway plans (LADOTD), city streets, drainage, geometric details, signing/striping, quantities for earthwork, summary tables, and quantities estimates. He has also prepared clearing/grubbing plans, sanitary sewer designs,waste water treatment plants, sewer pumping stations, and drainage basins. Mr. Britner also has three years of experience as a GIS Analyst. During that time, he was responsible for the overall supervision and coordination of data input and output. Mr. Britner has extensive experience with ESRI software, Arc/Info 8.1, Arc/View 8.1.2, and ArcMAP 10.2. He has also been responsible for GPS data, inventory, map-making, data input, database records, and overall quality assurance for projects. Mr. Britner has been performing and preparing design plans for the lighting projects for the LADOTD and ensuring the plans are uploaded into the LADOTD ProjectWise web site.*
08/10 -03/12	**HOUMA-THIBODAUX TO I-10 CORRIDOR EIS, LADOTD:** Southeastern LA. Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. CADD Coordinator responsible for providing GIS services.
08/13 – 09/13	**HIGHLAND-BURBANK CONNECTOR, CITY OF BATON ROUGE/PARISH OF EAST BATON ROUGE:** LA. Detailed planning study and design of two alternatives for a new three-lane highway connecting Highland Road and Burbank Drive in Baton Rouge. Project Designer
06/13 - 08/13	**US 84 IMPROVEMENTS, LADOTD:** Winnfield, LA. Performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies.CADD Coordinator responsible for analysis of traffic via Vissim.
12/08 – 10/09	**SOUTH JEFFERSON DAVIS PARKWAY REHABILITATION, CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS:** New Orleans, LA. Designed the rehabilitation and reconstruction of the South Jefferson Davis Parkway between Martin Luther King, Jr. Boulevard and Howard Avenue, including road resurfacing; curb drainage replacement; adjustments at driveways, intersecting streets, and project termini; and ramps for handicap accessibility at intersections and medians. Project Designer responsible for creating plan/profiles, quantities, striping plan, and final plans.
05/27 – 11/08	**GOVERNMENT STREET AND SOUTH FOSTER DRIVE INTERSECTION IMPROVEMENTS, CITY OF BATON ROUGE AND PARISH OF EAST BATON ROUGE:** LA. Designed the widening of the intersection of Government Street and Foster Drive, consisting of undivided four-lane two-way arterials in one of the busiest areas of the City, as one of the Green Light Program projects. Project Designer responsible for creating plan/profiles, typical sections, quantities, and final plans.
09/16 – 10/17	**I-10 OFF-RAMP AND LA 182 J-TURN IMPROVEMENTS LIGHTING EVALUATIONS, DESIGN, AND CONSTRUCTION ADMINISTRATION, LADOTD:** Baton Rouge, LA. BH provided lighting evaluations in conjunction with roadway improvements at the I-10 off-ramps and LA 182 Jturns.BH performed a photometric analysis providing LADOTD with a plan layout illustrating proper illumination, luminary, and lamp specifications; existing lighting were evaluated to determine if supplemental lighting would satisfy project requirement or if a new system was required. Lighting layout, electrical design plans, electrical notes and details were provided. BH also provided construction administration services including review of contractor electrical submittals, attendance at periodic meetings, and providing electrical as built plans, an Operations and Maintenance manual, and an Arc Flash report. Project Designer.

Section 17

LADOTD Environmental Project Manager 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.

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, Thomas Swanson, Laura Carnes, Barry McCoy, Carlos Perez, Varaprasad Venkata, Keith Rebello, 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, Thomas Swanson, 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, Keith Rebello, Varaprasad Venkata, Barry McCoy, Carlos Perez, Shelton Perry

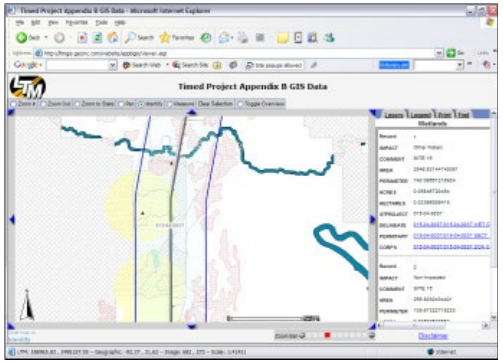
Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Environmental, Road, Planning**
Project Name	**The Transportation Infrastructure Model for Economic Development (TIMED) Program**	Firm responsibility (prime or sub?)	Prime
Project Number	700-99-0266	Owner's Name	LADOTD
Project Location	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, Brian Buckel, Will Grant, Carlos Perez

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Road, Environmental, Planning**
Project Name	**Fleur de Lis Blvd. Reconstruction (Interstate Hwy. 610 to Old Hammond Highway), Phases I-III**	Firm responsibility (prime or sub?)	Prime
Project Number	H.007259	Owner's Name	City of New Orleans
Project Location	New Orleans, Louisiana	Owner's Project Manager	Alan Weber
Owner's address, phone, email	1300 Perdido Street, New Orleans, LA, (504) 658-8000, aweber@cityofno.com		
Services commenced by this firm (mm/yy)	2003	Total consultant contract cost ($1,000's)	$ 850
Services completed by this firm (mm/yy)	2018	Cost of consultant services provided by this firm ($1,000's)	$ 850

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 feasibility studies, environmental and NEPA services (categorical exclusion), traffic analyses, complete streets, roadway, and drainage design, utility design, permitting, and construction services for this project.

This major divided, urban, arterial roadway is 8,350 linear feet (1.57 miles) in length. The original roadways were constructed in two phase in the 1950s and 1960s. The existing roadway had undergone significant differential settlement resulting from the weak near surface soils in the region and improved drainage. Preliminary studies were conducted to determine if pavement patching and overlay would provide a long-term solution for the problems. The studies revealed that the roadway was in such poor condition that only a reconstruction project would provide a long-term solution. GEC provided a management and engineering design team for this project from its inception and performed a feasibility study, providing the City of New Orleans with suggestions for alternative designs based on the various sources and funding available. **As required by FHWA, NEPA environmental clearance was prepared, completed, submitted to, and accepted by LADOTD and FHWA.** Based on the submittal, **FHWA issued a categorical exclusion** for the project. GEC prepared a master drainage collection system analysis prior to design and submitted to LADOTD. Because the corridor was bounded by residential development, significant attention was given to pedestrian access, bike paths, and construction sequencing. The project required multiple LADOTD design exceptions because of physical constraints and preservation of trees. GEC prepared the LADOTD design exceptions, submitted to LADOTD, and the City received approval of the exceptions.

Because of the anticipated costs and method of funding, the reconstruction project was separated into three phases. GEC designed all three phases. The original feasibility study with alternative design suggestions was completed in 2004. GEC designed the complete reconstruction of 8,200 linear feet (1.5 miles) of major urban divided roadway. Construction required 55,900 square yards of Portland cement concrete pavement, 30,000 linear feet of concrete curbs, 15,900 cubic yards of crushed stone base course, 20,000 cubic yards of compacted granular subbase, and 7,500 square yards of new concrete sidewalk. GEC also performed a Highway Safety Analysis for this project and designed striping and signage for the roadway, which included new crosswalks and roadside parking.

Utilities were of great concern along the corridor, as most were outdated and undersized. GEC provided water system design and modeling, water main tie-in, environmental clearance, and construction phase engineering for the project. GEC provided plans and specifications for approximately 21,000 linear feet of 8", 12", and 16" water lines and mains. This included designing the removal of the existing 40 to 50 year old large cast iron and AC water lines, while the smaller water lines were abandoned in place. GEC's design also included complete reconstruction of the sewer collection system, which included over 11,000 linear feet of 8" diameter sewer mains and the complete reconstruction of over 12,000 linear feet of 8" and 12" diameter water mains. The drainage analysis resulted in the complete reconstruction of over 17,000 linear feet of reinforced concrete subsurface drain lines ranging in size from 12-inch diameter to 36-inch diameter.

All plans and specifications were submitted to and approved by the Louisiana Department of Transportation and Development (LADOTD), the Federal Highway Administration (FHWA), the Sewerage and Water Board of New Orleans (S&WB), and the City of New Orleans Department of Public Works. **All design was in accordance with AASHTO, FHWA, and LADOTD requirements** except for items for which the City requested and received a design exception through LADOTD. Phase I of the project was completed in 2008. Phase II of the project was completed in 2012. Phase III was completed in 2018.

Firm Members Involved: Thomas Swanson

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

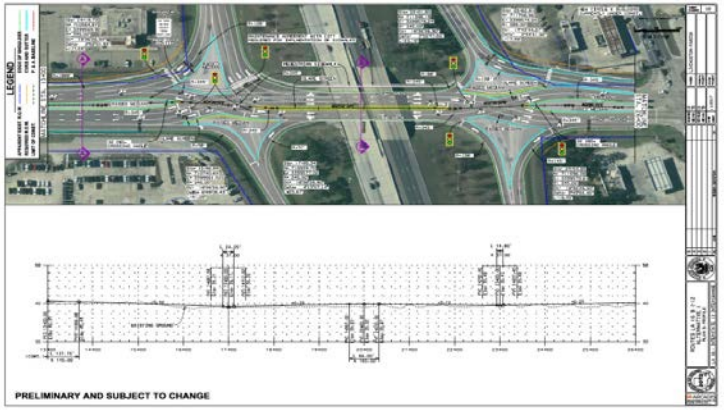


Figure: Diverging Diamond Interchange Alternative - Plan and Profile

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

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

Firm Name	**Intelligent Transportation Systems, LLC**			Past Performance Evaluation Discipline(s)*	**Traffic**
Project Name	**LA 384 (Country Club Rd) Improvements (Big Lake Rd to Ihles Rd)**			Firm responsibility (prime or sub?)	Sub
Project Number	N/A		Owner's Name	Calcasieu Parish Police Jury (in coordination with LADOTD)	
Project Location	Lake Charles, LA		Owner's Project Manager	John Bruce, P.E.	
Owner's address, phone, email	1114 Ryan Street | Lake Charles, LA 70602 | jbruce@cppj.net				
Services commenced by this firm (mm/yy)	04/18	Total consultant contract cost ($1,000's)		137.4	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		137.4	

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.

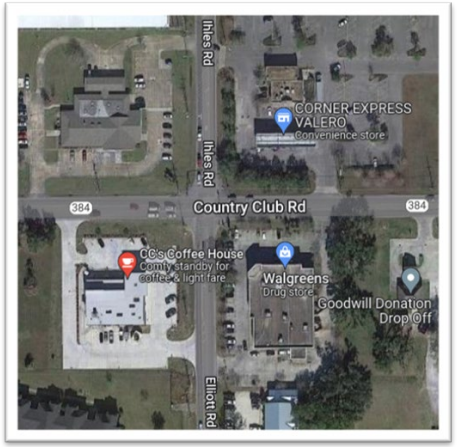
ITS LLC is part of the engineering pool for the Calcasieu Parish Transportation Initiative (CPTI). To address infrastructure and transportation challenges associated with the rapid growth experienced within the area, the Calcasieu Parish Policy Jury's Division of Engineering developed the CPTI. This program addresses some of the most significant capacity improvement needs within Calcasieu Parish – regardless of whether the parish or state are responsible for the roadway. One area identified for improvement is the Country Club Road corridor, specifically the section between Big Lake Road and Ihles Road.

ITS was tasked with performing a traffic study of the intersection of Country Club Road (LA 384) and Ihles Road to determine the types of improvements that could be made to reduce congestion and increase vehicular efficiencies, while keeping safety in mind.

The traffic study was initially scoped prior to the LADOTD Traffic Engineering Process and Report requirements were made policy. However, midway through it was decided to conform this study to the TEPR process. Additional data collection was conducted as a result.

The crash and safety analysis is complete. While some crash rates are greater than statewide averages, a review of the individual crash reports does not indicate a specific safety deficiency at the intersection. The analysis of existing traffic data is complete. The study is currently in the alternatives analysis phase to inform decisions about improvements.

Firm Members Involved: Clarke Chauvin, Jonathan Fox, Diane Hammonds, Colin Francis, Kimberly McDaniel



Firm Name	**Intelligent Transportation Systems, LLC**			Past Performance Evaluation Discipline(s)*	**Traffic**
Project Name	**Calcasieu Point LNG Development**			Firm responsibility (prime or sub?)	Sub
Project Number	N/A (private)		Owner's Name	Lake Charles LNG	
Project Location	Lake Charles, LA		Owner's Project Manager	John Kelly	
Owner's address, phone, email	1300 Main Street, Houston, TX 77002 | 713-989-7411 | john.kelly@energytransfer.com				
Services commenced by this firm (mm/yy)	09/2015	Total consultant contract cost ($1,000's)		(confidential)	
Services completed by this firm (mm/yy)	12/2016	Cost of consultant services provided by this firm ($1,000's)		(confidential)	

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 new Lake Charles LNG plant was constructed to provide new liquification facilities as well as non-liquification support facilities to expand LNG processing at existing facilities in Lake Charles, LA. Because of the significant increase in workforce to support these operations, traffic in and around the new plant was expected to also see significant increases. Additionally, during construction, there would be a need for routes to transport oversized load with large and heavy equipment that was constructed offsite and brought in for the facility.

Proposed Adaptive Signal Installation: Country Club Road at Weaver Road

Traffic Study:

ITS LLC was initially tasked with performing an updated traffic study along three major corridors crossing I-210 in Lake Charles, LA, to determine the impacts of the facility development, both during and after construction, and identify areas for improvements. Because at that time the region was undergoing unprecedented industrial growth, and subsequently residential and commercial growth, the traffic study was expansive and changed scope throughout the process as more information was known about future developments in the area. The study mainly focused on three plant construction projects with different levels, phasing, and timelines of construction. The study ultimately led to proposed signal improvements along the three corridors as well as some additional isolated and temporary signals. ITS LLC was also tasked with creating permit plans for almost 30 unique traffic signals including along coordinated corridors, isolated permanent, and isolated temporary signals which were fully actuated.

Heavy Haul Route:

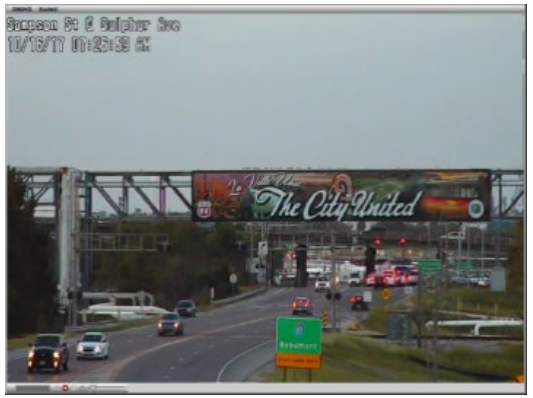
ITS LLC was later tasked with accommodating some of the planned construction activities. For site prep, one developer intended to bring multiple loads of dirt from one side of the facility to the other, crossing LA 384 (Big Lake Rd.). ITS LLC performed an additional separate traffic impact study for the addition of a signal for the temporary haul road at a state highway crossing. This was a unique situation that required ITS LLC to manipulate intricate defaults of the analysis software to accurately portray the size, startup time, and top speed of these oversized, articulating dump trucks. Factors evaluated in the analysis included safety, quantifying volumes, designing signal timings, and evaluating the long-term duration of these activities as well as the daily schedule of activities. Ultimately, the traffic study provided adequate signal warrant data and resulted in a temporary signal waiver. As a result, ITS LLC produced a TSI plan set for this intersection for permitting.

Firm Members Involved: Clarke Chauvin, Jonathan Fox

Firm Name	**Intelligent Transportation Systems, LLC**			Past Performance Evaluation Discipline(s)*	**Traffic**
Project Name	**LA 27 at Burton Shipyard Rd – Intersection Warrant Study, Design, and Installation**			Firm responsibility (prime or sub?)	Prime
Project Number	N/A	Owner's Name	Driftwood LNG / Tellurian		
Project Location	Sulphur, Louisiana		Owner's Project Manager	Ashley Womack	
Owner's address, phone, email	1201 Louisiana St, Ste 3100 | Houston, TX 77002 | 832.320.9273 | ashley.womack@tellurianinc.com				
Services commenced by this firm (mm/yy)	08/2015	Total consultant contract cost ($1,000's)		(confidential)	
Services completed by this firm (mm/yy)	07/2019	Cost of consultant services provided by this firm ($1,000's)		(confidential)	

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 development of a new liquefied natural gas production and processing facility in Calcasieu Parish by Driftwood LNG necessitated a signal warrant analysis for a temporary signal to aid with traffic flow during the construction process. The new facility was expected to increase the volume on exiting roadways because of the vast number of workers required for the construction process. The intersection of LA 27 at Burton Shipyard Road is a major intersection that would be affected by this traffic as it leads to the entrance of the facility site. A previously completed traffic impact study (by others) determined the potential need for a temporary signal at this intersection. ITS LLC performed the warrant analysis for the temporary signal.

LA 27 and Burton Shipyard Road is a T-intersection, previously controlled by a stop sign for traffic on Burton Shipyard Road. Data was collected and analyzed according to LADOTD guidelines and evaluated against the Signal Warrants outlines in the Manual on Uniform Traffic Control Devices (MUTCD). The projected volumes during construction met Warrant 3 for both the AM and PM peak hours, triggering further evaluation. The volumes were evaluated on a month-by-month basis for the duration of projected construction, as volumes would fluctuate based on the phase of the construction. Ultimately it was determined that Warrant 3 was projected to be met for the duration of construction over a four-year period. However, once construction was complete and typical plan operations began, the warrant would no longer be met. Therefore, a temporary signal for a period of approximately four years was recommended. LADOTD elected to require the traffic signal to be adaptive based on anticipated fluctuations in traffic volumes. It was determined that an isolated Adaptive signal would be ideal for this application.

ITS LLC was then tasked with the design of the temporary signal at this intersection. ITS prepared the permit plans and obtained the Document 2 Permit Package from LADOTD on behalf of Tellurian (Driftwood LNG). Included in this were tasks such as signal permit processing, preliminary equipment planning, equipment purchasing and storage in preparation of the LA 27 at Burton Shipyard Road temporary signal installation to allow construction to begin with 30-day notice. ITS also performed a wireless communication assessment for the signal location. The design included a span-wire pole-mounted cabinet with 980 ATC signal controller, radar vehicle detectors, and wireless communication equipment.

ITS LLC was subsequently tasked with the installation of the temporary signal. This phase included project management, construction management, installation, testing, configuration, and integration work to satisfy the specification requirements of the DOTD for a temporary adaptive traffic signal. The installation included a span-wire signal, radar detection, a local Ethernet switch, cellular communications for site connection to the LADOTD District 07 Adaptive Server, and live performance monitoring and optimization of the adaptive settings.

Firm Members Involved: Clarke Chauvin, Jonathan Fox

Firm Name	**Buchart Horn, Inc.**	Past Performance Evaluation Discipline(s)*	**Planning, Traffic**
Project Name	**US 190 (Vine Street) Reconstruction – Stage 0 Feasibility Study**	Firm responsibility (prime or sub?)	Prime
Project Number	Task Order No.: H.011358.1	Owner's Name	Louisiana Department of Transportation and Development (LADOTD)
Project Location	Opelousas, Louisiana	Owner's Project Manager	Connie Betts
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.242-4552 connie.porter@la.gov		
Services commenced by this firm (mm/yy)	04/14	Total consultant contract cost ($1,000's)	$132
Services completed by this firm (mm/yy)	03/17	Cost of consultant services provided by this firm ($1,000's)	$132

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.

BH conducted a comprehensive Stage 0 Study to evaluate 2.1 miles of US 190 (Vine Street)from the intersection at Louisiana Highway 104 (LA 104) to the intersection at Wallior Street where Vine Street and Landry Street merge in Opelousas, LA. The purpose of this project was to address the existing roadway deficiencies by reconstructing the roadway to comply with current design guidelines and standards. In addition, this project is intended to also provide a level of safety for vehicles and pedestrian traffic throughout the proposed study area. The existing roadway has deteriorating sub-surface utilities that are located beneath the existing pavement and require constant maintenance. Maintenance on the utilities requires existing pavement to be excavated and patched which causes frequent road closures and driver discomfort. BH conducted the Stage 0 Feasibility study in accordance with the Louisiana Department of Transportation and Development (LADOTD) "Stage 0 Manual of Standard Practice".

Firm Members Involved: Jimmy Dickerson, Joseph Mingo

Buchart Horn completed the 2017 Stage 0 Feasibility Study for the US 190 (Vine Street) Project, affording them a wealth of knowledge and history with this project, established relationships with local stakeholders and LADOTD District 03 and Headquarters personnel for this project, and an extensive arsenal of project design documents and history through their previous contract. This will reduce re-work and data gathering, expediting the project and resulting in cost savings.

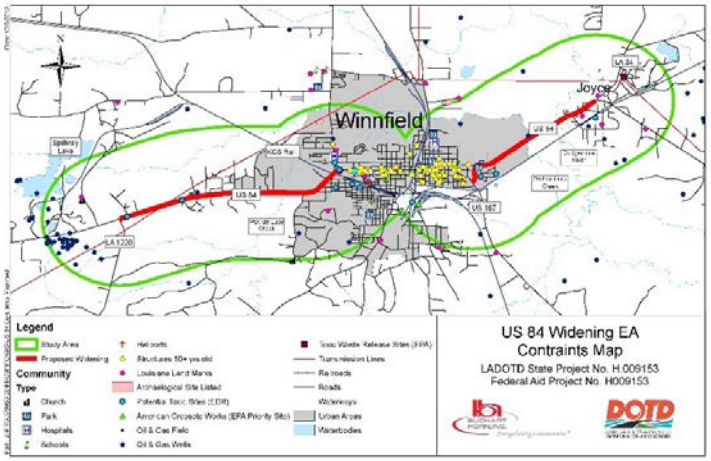
Firm Name	**Buchart Horn, Inc.**	Past Performance Evaluation Discipline(s)*	**Planning, Traffic**
Project Name	**US 84 Improvements**	Firm responsibility (prime or sub?)	Prime
Project Number	H.009153.2	Owner's Name	Louisiana Department of Transportation and Development (LADOTD)
Project Location	Winnfield, LA	Owner's Project Manager	Catherine Mastine
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, catherine.mastin@la.gov		
Services commenced by this firm (mm/yy)	04/13	Total consultant contract cost ($1,000's)	$965
Services completed by this firm (mm/yy)	07/21	Cost of consultant services provided by this firm ($1,000's)	$541

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.

BH is tasked with the preparation of an Environmental Assessment in accordance with NEPA and FHWA regulations and guidelines for the proposed widening of US 84 in the Winnfield, LA area. Tasks performed by BH to complete the environmental document include, but are not limited to:

- Line and grade study
- Evaluation of archeological, cultural, social, economic, and environmental consequences
- Traffic study and modeling
- Safety Analysis
- Engineer's opinion of cost
- Public outreach
- Corridor preservation
- Cultural Resources
- Section 404
- Wetlands mitigation



Public outreach, stakeholders, and agencies meetings were held by BH in order to obtain comments on the proposed build alternatives. A combination of nine build alternatives were developed with roundabouts, access management, and widening.

Firm Members Involved: Jimmy Dickerson, Joseph Mingo, Cal Joy, David Britner

Firm Name	**T. Baker Smith, LLC**	Past Performance Evaluation Discipline(s)*	**SUE**
Project Name	**LA 3127 Extension**	Firm responsibility (prime or sub?)	Prime
Project Number		Owner's Name	Ascension Parish Government
Project Location	Ascension Parish, LA	Owner's Project Manager	Mike Enlow
Owner's address, phone, email	42077 Church Point Road, Gonzales, LA 70737; 225.450.1326; menlow@apgov.us		
Services commenced by this firm (mm/yy)	10/17	Total consultant contract cost ($1,000's)	$2,163
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm ($1,000's)	$1,166

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 LA 3127 Extension project is located south of the city of Donaldsonville within Ascension Parish. The project proposes to extend LA 3127 from LA 70 to LA 1 through virgin terrain as a four-lane, divided highway in accordance with the latest LADOTD Design Guidelines. The intention of the new highway is to serve as an economic development corridor as well as a segment of a future West Bank Expressway, which would generally serve to connect I-310 in Boutte, LA to I-10 in Port Allen, LA. TBS served as the prime consultant for this project and is responsible for route selection, environmental, roadway and bridge design and Right of Way mapping. TBS performed topographic surveys of the nearly five-mile virgin terrain alignment including Subsurface Utility engineering (SUE) Level B and Level A in accordance with CI/ASCE 38-02 for all utilities affected by the project alignment. Level A test holes were conducted on 21 underground pipelines which either crossed the route or were within the Right of Way of the roadway.

The Subsurface Utility Engineering (SUE) services were performed in strict accordance with CI/ASCE 38-02 guidelines for all utilities within 200' of either side of the roadway alignment. The SUE services extended for a distance of 1,500' beyond the roadway termini in each direction. Quality Level D-B services were provided for all utilities within the 400' wide area of interest and Quality Level A services were provided for any utility with a diameter greater than 4" which crossed the roadway centerline. Subsurface utilities designated as part of the SUE services included water mains, sewer force mains, sewer effluent lines, pipelines carrying various products and ranging from 6" to 30" in diameter, buried electrical services, buried telephone, buried fiber optic telephone, fiber optic television, television, and gas mains. In areas where records research showed no evidence of utilities, TBS swept this virgin terrain using various instruments including pipe locators and Ground Penetrating Radar (GPR) to detect any unrecorded utilities.

Overall, TBS designated nearly 80,000 linear feet of subsurface utilities and performed Level A minimally invasive excavations utilizing TBS vacuum truck at 48 locations including water mains, gas mains, sewer force mains and pipelines. TBS performed the surveying of all Level B and Level A SUE work and prepared deliverables in accordance with CI/ASCE 38-02 guidelines.

TBS performed property surveys along the virgin terrain route which included seven large tracts consisting of more than 1,000 acres and several smaller tracts including batture tracts along Bayou Lafourche. The preliminary base Right of Way Maps were submitted in December 2018. All property surveys and Right of Way Mapping was produced in accordance with LADOTD Location and Survey Guidelines. TBS is beginning the Environmental Assessment (EA) in January 2020.

Firm Members Involved: TJ Stokes, PE

Firm Name	**T. Baker Smith, LLC**	Past Performance Evaluation Discipline(s)*	**SUE**
Project Name	**Roddy Road Safety Widening (LA 935 to LA 621)**	Firm responsibility (prime or sub?)	Prime
Project Number	MA-17-01	Owner's Name	Ascension Parish Government
Project Location	Ascension Parish, LA	Owner's Project Manager	Joey Tureu
Owner's address, phone, email	42077 Churchpoint Rd., Gonzales, LA 70737; 225.450.1013; jtureu@apgov.gov		
Services commenced by this firm (mm/yy)	08/17		$680
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm ($1,000's)	$2,500

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 part of Ascension Parish's Move Ascension Transportation Program, T. Baker Smith, LLC was selected as the prime consultant for the Roddy Road Safety Widening project from LA 935 to LA 621. The project includes 1.5 miles of roadway widening from the existing 10' travel lanes and minimal shoulders to 12' travel lanes with four-foot shoulders and associated roadside ditch improvements. The existing Roddy Road Bridge over Black Bayou will be replaced with a six span concrete bridge having a 32' clear width to match the new roadway section. All portions of Roddy Road will be reconstructed due to poor existing pavement and base.

TBS is the prime consultant on this project and is responsible for all roadway design aspects including widening & reconstruction, drainage design, horizontal and vertical geometric layout, pavement design, intersection grading, and pavement marking and permanent signing layout design. TBS is also responsible for all bridge design including superstructure, substructure and approach slab elements. TBS' scope of work also includes setting survey horizontal and vertical control network, performing all topographic surveys, Subsurface Utility Engineering (Quality Levels D-A), property surveys, Right of Way Mapping, utility relocation coordination, traffic management plans and bidding assistance. TBS submitted 95% Final Plans on 6/2018, and is currently awaiting the relocation of utilities prior to finalizing the 100% Final set.

The Subsurface Utility Engineering (SUE) services were performed in strict accordance with CI/ASCE 38-02 guidelines for all utilities within 75' of either side of the roadway. Quality Level D-B services were provided for all utilities within the 150' wide area of interest and Level A services were provided for any utility with a diameter greater than 4" which crossed the roadway.

Overall, TBS designated over 71,000 linear feet (13+ miles) of subsurface utilities and performed Level A minimally invasive excavations via TBS' vacuum truck at thirty (30) locations including gas transmission pipelines and water mains. In addition to SUE services, TBS also performed property surveys along the 1.5-mile widening project which included 68 parcels. TBS prepared 100% Base and Final Right of Way mapping in accordance with LADOTD Location and Survey requirements. TBS also prepared a separate set of Clearing and Grubbing Plans for the Parish to bid out via a separate package. TBS assisted in the bidding process and also performed Construction Engineering & Inspection services for this task.

Firm Members Involved: TJ Stokes, PE

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.)

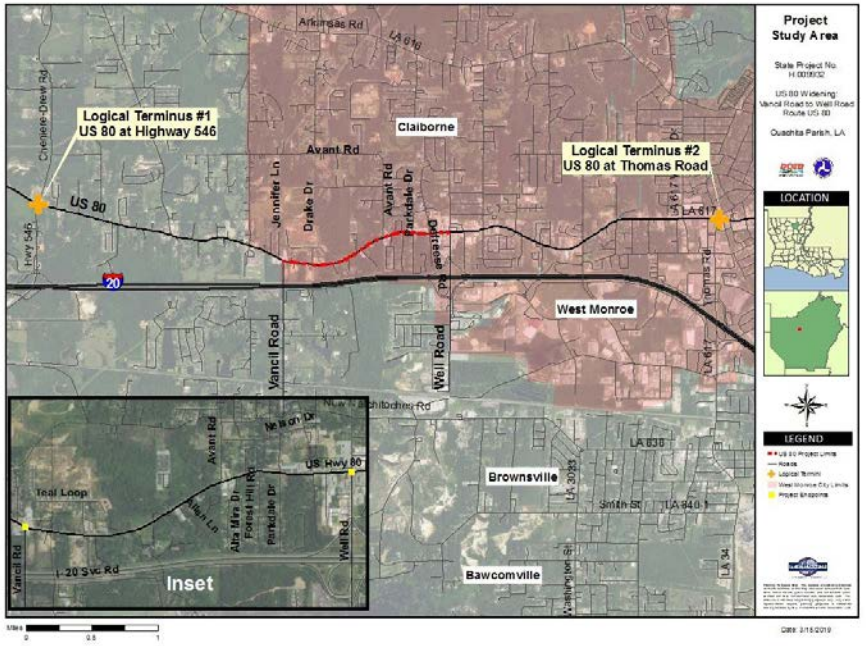
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

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



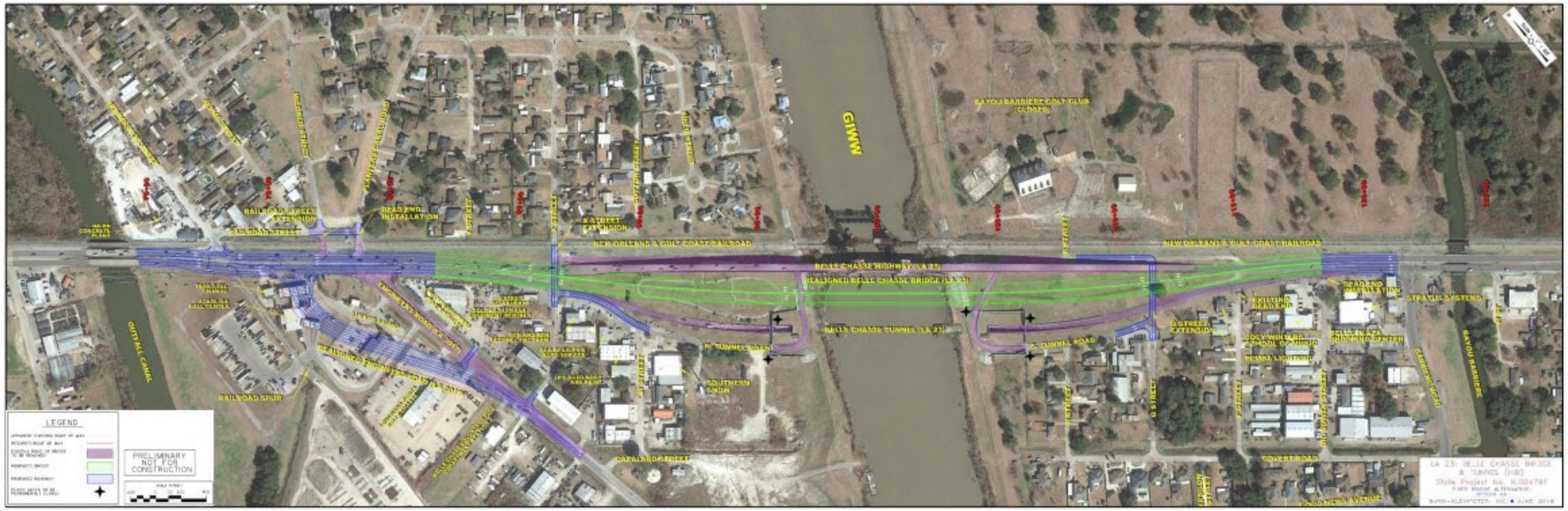
Firm Name	**The Lakvold Group**			Past Performance Evaluation Discipline(s)*	**Right-of-Way/Appraiser**
Project Name	**Belle Chasse Bridge & Tunnel**			Firm responsibility (prime or sub?)	Sub
Project Number	H.004791	Owner's Name	LADOTD		
Project Location	Jefferson Parish and Plaquemines Parish, Louisiana		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.)

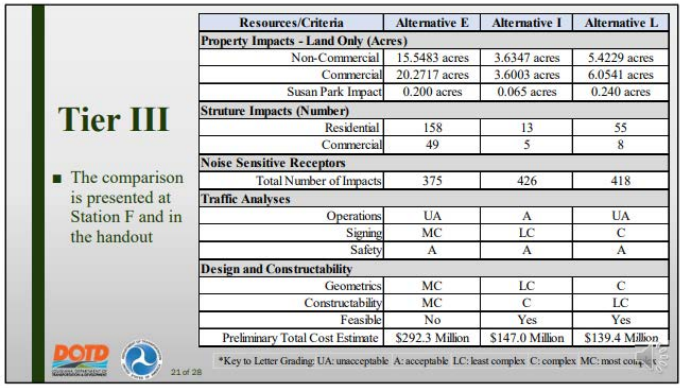
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

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 com

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 400+ years of experience
- The GEC Team's experience exceeds requirements to perform elements of work identified in the scope
- The GEC Team has performed 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

- The GEC Team's key personnel, leading each required scope item, have combined 300+ years of experience in leading their individual assigned task
- The project management team and key personnel have successfully led LADOTD projects in all required 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 and robust in-house transportation and environmental engineering capabilities
- The GEC Team has ## dedicated personnel committed to this contract and ## 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

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 breakdown 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

US 190 (Vine Street) Reconstruction, St. Landry Parish

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 US 190 (Vine Street) Reconstruction 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 and endangered species assessments, Phase I ESA, conceptual state relocation, public and stakeholder outreach, noise/air, traffic, and 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. GEC has built a team that provides LADOTD the experts in every required aspect of this project, having Louisiana and national NEPA experience, producing high-quality submittals and products, while addressing the unique requirements of the NEPA process efficiently.

The GEC Team's Project Manager, Bliss Bernard, P.E., 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, project 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 snippet from a past project she managed is provided below. Note that there are 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, progress reports, and status updates at any given time.

303	Task 5.5		Public Hearing			
304		1	Prepare Public Hearing Notice, Press Release, Property Owner Letters	Completed	11/12/2019	Sent mailers out to public, notices in newspaper
305		2	Public Hearing Logistics (scheduling, agenda, meeting handouts, signage, sign in sheet)	Completed	11/14/2019	Prepared Materials and Submitted to LADOTD on
306		3	Prepare Public Hearing Presentation	Completed	11/14/2019	Prepared Materials and Submitted to LADOTD on
307		4	Prepare Public Hearing Exhibits	Completed	11/15/2019	Prepared and Received approval from LADOTD o
308		5	Attend Public Hearing	Completed	12/10/2019	Hosted public hearing on 12/10/19
309		6	Prepare Public Hearing Summary/Document Public Comments	Completed	12/15/2019	Prepared Public Hearing summary and documen
310		7	Prepare Transcript of the Public Hearing (50 copies)	Completed	1/15/2020	Submitted public meeting transcript to DOTD and
311		8	Address public comments and prepare comment/response matrix	Completed	2/1/2020	Distributed FONSI and public hearing transcript

> One of GEC's team members, Buchart Horn, completed the 2017 Stage 0 Feasibility Study for the US 190 (Vine Street) Project, affording them a wealth of knowledge and history with this project, established relationships with local stakeholders and LADOTD District 03 and Headquarters personnel for this project, and an extensive arsenal of project design documents and history through their previous contract. **This will reduce re-work and data gathering, expediting the project and resulting in cost savings.**

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 Stage 1 document (CE or EA) 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. The GEC Team's initial reviews of the data, performing a field visit, and reviewing the history and Stage 0 Report for improvements to Vine Street led to the identification of some scope elements and challenges, and the *Project Challenges* Section presents these along with the GEC Team's Approach/Solution.

The GEC Team developed the conceptual rendering above to demonstrate potential pedestrian facilities along Vine Street. Similar renderings for alternatives can be developed by GEC for report and exhibit use and for public outreach.

Methodology

GEC will follow the steps in the LADOTD Stage 1- Planning/ Environmental Manual of Standard Practice, which will consist of three primary phases of work as described below. This is a high-level overview of the steps that the GEC Team will follow. The project schedule presented in this section is a condensed version of this methodology (for space saving purposes) and the schedule and methodology is subject to alteration based on if the project is classified a CE or EA.

Informal Project Coordination

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 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 steps that will occur before & during this work will include:

1. A draft work plan and schedule, laying out all necessary tasks required as a part of this contract, will be developed, a draft public involvement plan (PIP), stakeholder mailing list, preliminary Purpose and Need (P&N), and preliminary study area will be developed prior to and reviewed at this meeting.
2. Preliminary pre-design criteria and LADOTD Minimum Design Guidelines will be established before and reviewed at the meeting.
3. Discuss identified constraints; request and review any traffic data, geotechnical data, pavement design, as-

built plans, environmental documents, current signal timings, and other relevant data that is available.

4. Project point of contacts, schedule, budget, invoicing procedures, QA/QC procedures, QA/QC plan documents, project schedule, and other project management tasks will be discussed & established.
5. Minutes from this meeting will be prepared, distributed to attendees, and will become a part of the official project record.

EARLY PUBLIC AND STAKEHOLDER OUTREACH

A key to success is early, frequent, & transparent outreach to all interested parties. GEC has already obtained the parcel map from the St. Landry Parish Assessor that details landowners within the study area as displayed in *Figure 2*. The PIP and mailing list will be continuously updated throughout the project process.

Work Plan and PIP- The revised draft work plan, PIP, P&N, study area, & stakeholder list will be revised & submitted to LADOTD within 2 weeks of the kickoff meeting.

Solicitation of Views- Once the documents in the step above 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.

Early Section 106 Coordination- GEC will develop the draft letter and maps for Tribal coordination and will submit the package to FHWA to submit to the Tribes.

Constraint Mapping, Range of Alternatives, and Preliminary Alternatives Evaluations

An ESRI ArcGIS database will be created in accordance with

Project Challenges & GEC's Approach

Right-of-Way *ROW will likely need to be acquired, as the Stage 0 estimates approximately 1.62 acres of ROW is needed to construct the Build Alternative.*

The GEC Team will assess the existing conditions to appropriately address the existing roadway deficiencies while minimizing the amount of ROW taken by some of the following methods: (a) The most effective way to design utility relocations is to have accurate and complete utility information (See information presented in *Utilities*), (b) Providing a utility corridor, (c) Transportation Systems Management (TSM) Improvements (improve safety, reliability, efficiency, integration, customer service, collaboration between entities, businesses & agencies), (d) Consider reducing design speed in certain areas, and (e) Shifting alignment in areas with deficient curves to minimize impacts to businesses and homes.

Utilities *Deteriorating subsurface utilities located beneath existing pavement that require constant maintenance and do not meet horizontal or vertical clearances; overhead utilities encroach on roadway clear zone; existing sewer line is clay pipe, susceptible to cracking. (See* Figure 1*).*

The GEC Team will follow regulations in State of Louisiana Title 70-Part II Utilities to determine appropriate design to construct and maintain all relocated utilities. Utility coordination and a Quality D Level SUE was conducted in Stage 0 of this project; however, the results of this coordination effort yielded a very limited amount of existing maps and utility records to use as reference for the study area. The Report recommends a more detailed investigation (Level A-C) be conducted to identify additional information on the existing utility conditions within the project area. A more detailed SUE survey can be performed by T. Baker Smith if necessary. The GEC Team will analyze relocation options, perform hydraulic analysis to determine if the capacity of the downstream sewer is efficient, and implement design alternatives that move the utilities outside the roadway, replace aging and failed utilities, provide better offset spacing and minimum clearance requirements, and ensure sizing and grades are at standards.

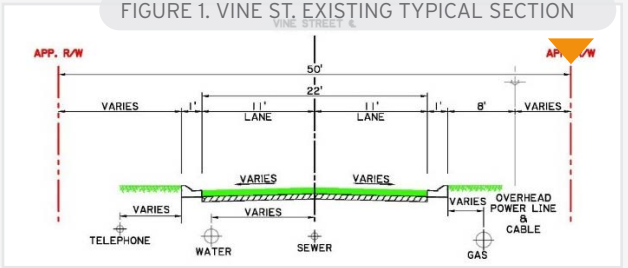
Opelousas Historic District & Sites Along Corridor *As seen in the resource map (*Figure 2*), the Opelousas Historic District and points of interest are located along the corridor.*

GSRC will perform archaeological and historical evaluations including defining the APE, identify historic properties and background research, contacting property owners, developing the Phase 1 Cultural Resources Report including the archaeological survey, standing structure survey, artifacts processing and analysis, and consultation with SHPO and LADOTD.

ADA/Complete Streets, Safety, Access Management *Pedestrian and vehicular safety issues have been document along Vine Street as far back as 1942, with pedestrian fatalities documented as much as 80 years ago. Headlines from news stations over the years and recently indicated a history of crashes involving pedestrians and vehicles along the corridor.*

ITS LLC, will analyze three years of crash reports to determine trends, hot spots, or other patterns which could lead to improvements aimed at reducing the frequency and severity of crashes along this corridor. Pedestrian facilities along the corridor are limited, likely leading to more interactions between pedestrians and vehicles than would be desired. Focusing on this deficiency will be a priority in the safety assessment. The LADOTD CATSCAN tool, among others, will be used to prioritize any abnormal crash patterns for consideration. 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 perform a safety analysis and identify locations of where crosswalks and other improvements are justified in accordance with the LADOTD Traffic Engineering Manual. The GEC Team will also use LADOTD and AASHTO Guidelines in designing proposed sidewalks, bicycle facilities, CCS elements, and improving access management. Principles such as speed reduction and access management will be analyzed to further improve the corridor. The GEC Team developed a rendering that displays a pedestrian facility alternative that could be proposed (see Figure 1*).*

FIGURE 1. VINE ST. EXISTING TYPICAL SECTION



Socioeconomics/Environmental Justice *Areas adjacent to the project site are below the poverty level and have high minority populations, according to the US Census Bureau. The GEC Team will complete an environmental justice/socioeconomic evaluation and incorporate the findings into the environmental document.*

The GEC Team will develop effective public participation strategies to ensure all populations are able to participate throughout the process. Improving aged utilities will provide more reliable access to public services (water, gas, sewer). Improving aged roadways and pedestrian facilities will provide more reliable access and create walkable areas to connect communities and accessible to schools, retail, and other goods and services, improved safety and travel.

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 *Figure 2*. 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.

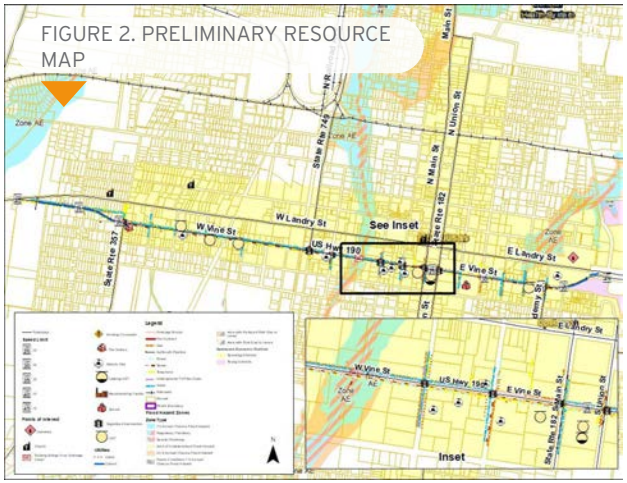


FIGURE 2. PRELIMINARY RESOURCE MAP

SECONDARY SOURCE MAPPING

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.

PRELIMINARY TECHNICAL STUDIES

For some projects, preliminary technical studies are necessary to complete this step. The GEC Team assumes in this methodology that the Traffic Study and Line & Grade Study will be required as a part of this step in order to obtain the essential traffic & safety data necessary to develop reasonable alternatives that address the study P&N. Other technical studies can also be completed in this stage if impacts identified in Phase 1 shall require further investigation & if approved by LADOTD. This could include the Phase 1 ESA, Cultural Resources Investigation, noise/air, wetlands, & 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. A high-level overview of these steps are as follows:

a. Initial Data Collection & Final Data Collection
   - ITS will contract a data collection firm to collect traffic counts & speed data as a reimbursable expense to their contract & will ensure the counts are taken on typical mid-week days when school is in session, avoiding holidays or special events.
   - ITS will obtain available Traffic Signal Inventories (TSIs) from the DTOE for use in the analysis of all signalized intersections. Recommendations will be developed from this analysis for improvements at those intersections.

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

b. Existing Safety Analysis- ITS will utilize the CATScan Tool and review all crash reports for the past 3 years for vehicles and 5 years for pedestrians, to develop the Appendix C deliverable.
c. Existing and No-Build Analysis- ITS will use the data to perform the Existing and No Build Analysis and Tier 1 Alternatives Analysis, including intersection diagrams for Chapter 2 submittal and discussions with LADOTD Traffic Section to progress into the Alternatives Analysis process.
d. Preliminary Tier 2 Analysis- ITS will develop layouts of the potential alternatives, redistributed volumes map, and an alternative comparative evaluation matrix to evaluate the previously agreed upon metrics for each alternative.
e. Final Alternatives Analysis/Range of Alternatives- Once the preliminary analysis is approved & following the alternatives meeting, final Alternatives Analysis Report will be developed & submitted.

Line & Grade Study- The GEC Team will develop conceptual plans for the project area, renderings, hydraulics analysis, and a line and grade report including cost estimates and approximate right of way limits, and any design reports or required waivers and exceptions.

a. Utility experts, T. Baker Smith, will develop a list of impacted improvements including potential utility conflicts, relocation costs, and mitigation measures. T. Baker Smith will contact LA One Call in advance of conducting any fieldwork and has the capability to perform a more detailed SUE survey (Quality Level A-C) if required.
b. Conceptual Stage Relocation Plan (CSRP)- The Lakvold Group's findings in the CSRP will be incorporated into the Line and Grade Study Report.
c. Complete Streets- Arcadis and ITS's complete street experts will ensure facilities are made available for all and for safe use.

RANGE OF ALTERNATIVES

The GEC Team will develop alternatives that will meet the Project's refined purpose and need. **The preliminary purpose and need of this project is to address the existing roadway deficiencies by reconstructing the roadway to comply with current design guidelines and to provide safety conditions for vehicles and pedestrians. Alternatives will address issues such as: deteriorating roadway conditions, complete streets and ADA access, improving curve radii, drainage, utilities, access management, crosswalks, minimizing right-of-way, clear zone improvements, and more.**

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. Cooperating and Participating agency comments will be solicited on the alternatives development and P&N Statement if refined. If necessary, a public involvement meeting will be held in accordance with LADOTD Stage 1 Public Involvement Procedures.

REFINE & EVALUATE ALTERNATIVES

A preliminary alternatives summary will be developed including updated study area maps, exhibits, environmental resources maps, preliminary alternatives matrix, and cost estimates. The document will objectively evaluate all reasonable alternatives and quantitatively analyze

potential environmental impacts, briefly summarizing the methodology employed to screen the alternatives, reasons for the elimination of any alternatives, & describe stakeholder outreach activities performed.

CLASS OF ACTION DETERMINATION

This step is very important to how the project progresses, and must be completed prior to the initiation of the third phase of work. The GEC Team will provide LADOTD with all documents and information obtained in phase 1 and 2 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.

Project Initiation, Scoping, Documentation, & Decision

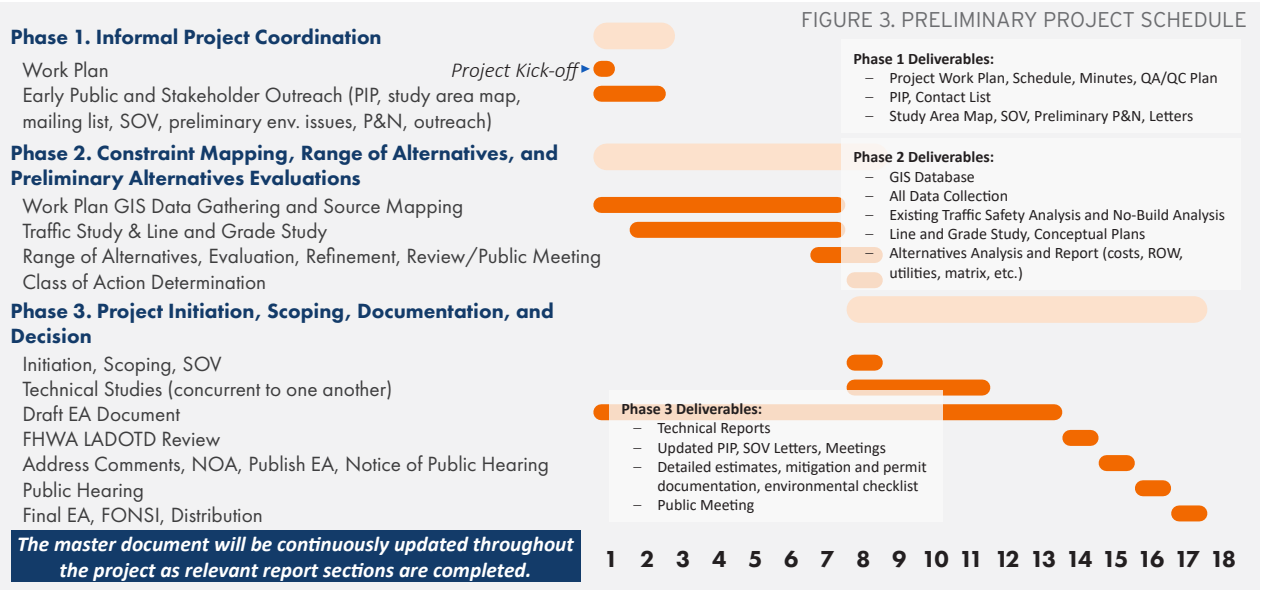
PROJECT INITIATION

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 and limiting the EA document to 75 pages. GEC will then prepare the Formal Invitations to Participate, refine the P&N if needed, develop the coordination plan, update the PIP, prepare SOV letters, and host scoping meetings if necessary.

TECHNICAL STUDIES

The additional technical studies required as a part of this project 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 the GEC approach is detailed in the *Project Challenges* section; this is not an all-inclusive list.

FIGURE 3. PRELIMINARY PROJECT SCHEDULE



ENVIRONMENTAL DOCUMENTATION

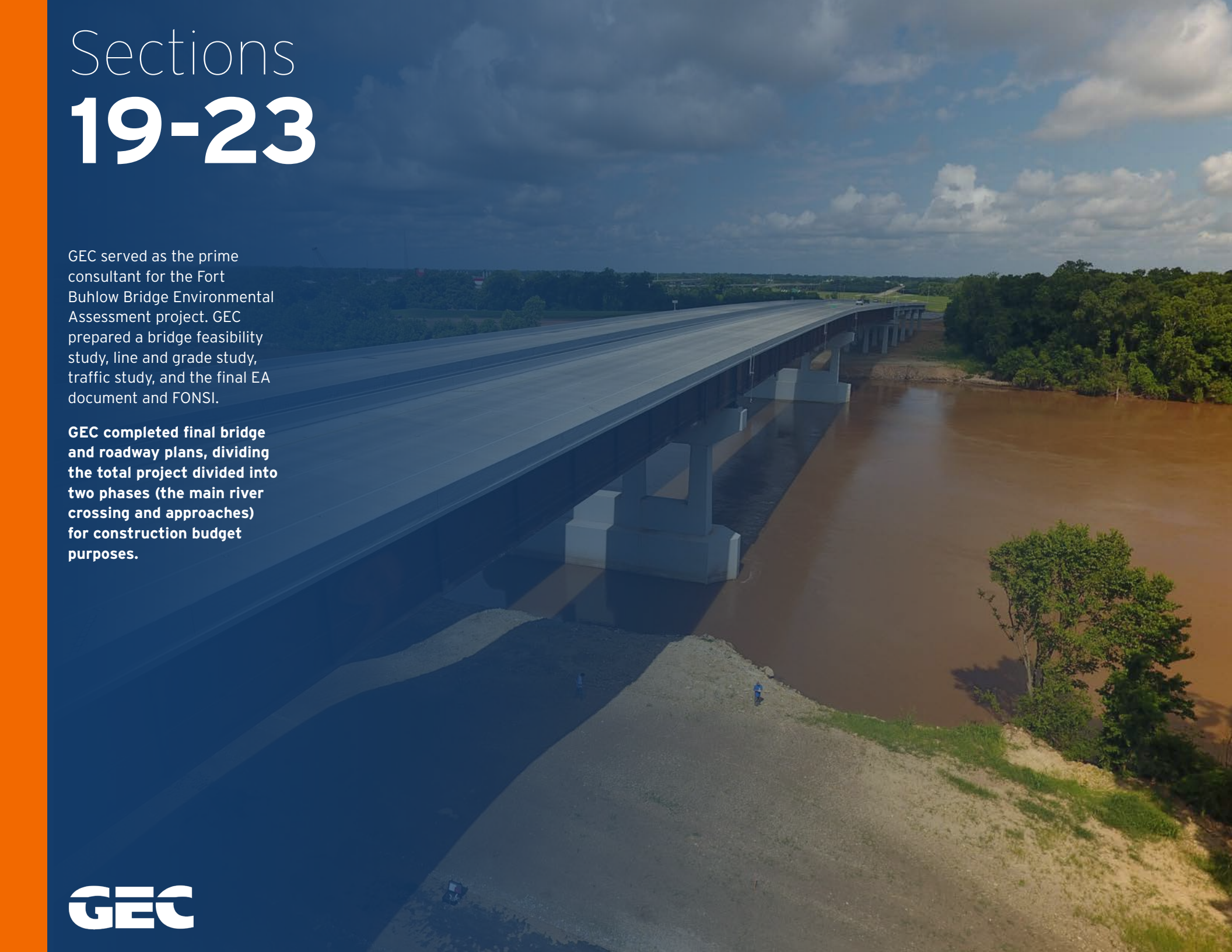
The GEC Team already has prepared the standard template for LADOTD-FHWA EA and CE Documents in accordance with FHWA T6640.8A, which provides guidance on the format and content. The GEC Team understands that all efforts preceding this task is vital information that will be summarized in the final document, 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 efforts performed prior to this stage will be summarized in the relevant sections.
- A summary of permits, mitigation, and commitments will be developed.
- If deemed an EA, 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.
- FHWA Review
- Publish EA- 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, and other relevant locations for public and agency review. Comments are typically solicited for a minimum of 30 days after the first publishing of the NOA.
- To minimize the number of advertisements & 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, & any other station that may be necessary. Comments will be documented in a matrix & in the public hearing transcript, which will be prepared & distributed as needed.
- FONSI- If applicable, GEC will assist LADOTD in preparing the FONSI for FHWA approval, distribute the NOA on the FONSI, & provide final documents for the official record.

Sections 19-23

GEC served as the prime consultant for the Fort Buhlow Bridge Environmental Assessment project. 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 (DOTD Support Svc)	4400016958	**Road Transfer Program Management, Statewide** (One GEC employee located at LADOTD)	1,601,119
G.E.C., Inc.		H.004273.5	**I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)**	
	Road	NOTE: GEC work is currently on hold	Geometrics	70,810
	Bridge, Environmental, ITS, Other		Bridge Study ($54,934), Environmental ($17,626), ITS ($19,447), Program Management ($77,599), Electrical ($301,419) & Implementation Strategies (20,739)	491,764
G.E.C., Inc.		H.004100	**I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)**	
	Bridge, ITS & Other		Bridge ($7,121), ITS ($128,628), Project Management ($222,280), Retaining Walls ($10,000), Sound Walls ($59,958) & Electrical ($1,076,226)	1,504,213
G.E.C., Inc.		H.013897	**I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)** (NOTE: Remining fee is for As-Built Plans)	
	Road		Road	237,660
	Bridge, ITS & Other		Bridge ($174,800), ITS ($28,665), Project Management ($33,334), Sound Walls ($44,640) & Electrical ($16,335)	297,774
G.E.C., Inc.	Bridge	H.008145.5	**Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services (Sub to HNTB)**	219,878
		H.003074.5	**Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA**	
G.E.C., Inc.	Bridge & Other		Bridge ($148,795) & Electrical ($54,012)	202,807
G.E.C., Inc.	Bridge	4400010099	**Retainer Contract for Off-System Complex Bridge Load Rating (Sub to Forte and Tablada)**	
		H.012485.1	Rating of Off-system Bridge Structures	19,056
		H.092481.5	Off-System Load Testing and Evaluation	14,800
G.E.C., Inc.	Bridge	H.015342	**Infrastructure Investment and Jobs Acts (IIJA), Off-System Bridge Program, District 61**	50,000
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)	305,803
		H.014553.5	I-49: LA 3233 Interchange Lighting (Opelousas) NOTE: Survey T.O. Work performed by GOTECH	N/A
		H.014556.5	I-49: US 190 Interchange Lighting (Opelousas) NOTE: Survey T.O. Work performed by GOTECH	N/A
		H.014557.5	I-49: Judge Walsh Drive Interchange Lighting (Opelousas) NOTE: Survey T.O. Work performed by GOTECH	N/A
G.E.C., Inc.	Other (Electrical)	H.004774.5 & H.007300.6	**Kansas Lane - Garrett Road Connector and I-20 Improvements (Sub to Lazenby & Associates, Inc.)**	43,083
G.E.C., Inc.	Other (Electrical)	4400005660	**Retainer Contract for Electrical Services (sub to Buchart Horn)**	
		H.012422.6	I-110 Interchange Modification at Terrace	59
		H.012874.6	I-55: LA 22 Interstate Lighting	20,153

G.E.C., Inc.	CE&I/OV	4400013710	**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	20,140
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	37,733
		H.012465.6	Dist 61 Flashing Yellow Arrow Part 3	432,824
		H.010960.6	LA 30 Roundabouts at Tanger Mall and I-10	675,975
		H.014694.6	LA 426: LA 73 - Sherwood Forest	270,374
G.E.C., Inc.	CE&I/OV	H.011670.6	**I-10/Loyola Interchange Improvements, Jefferson Parish**	444,244
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	50,807
		H.003003.6	I-10: I-49 - LA 328	115,324
		H.002151.6	Bayou Parc Perdue and Creek Bridges	43,187
		H.010601.6	I-10 Widening and Reconstruction (LA 328 - LA 347)	30,086
		H.002868.6	I-49 S: Amb Caffery / US 90 Interchange	982,170
G.E.C., Inc.	CE&I/OV	4400014315	**Retainer Contract for Painting Inspection & Environmental Monitoring with CE&I, Statewide (Sub to GPI)**	
		H.003370.6	I-220/I-20 Interchange IMP & BAFB Access	8,926
		H.010000.6	US 171: Calcasieu River Bridge Repairs	180,583
G.E.C., Inc.	Other (DOTD Support Svc)	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**
Arcadis	Environmental	H.002397.2	LA 16 (Pete's Hwy) Interstate 12 Interchange Route	$20,109
Arcadis	Environmental	H.011328.2	I-49 South (Ricohoc to Berwick)	$807,263
Arcadis	Traffic	H.011328.2	I-49 South (Ricohoc to Berwick)	$172,040
Arcadis	Road	H.011328.2	I-49 South (Ricohoc to Berwick)	$344,080
Arcadis	ITS	H.013868.5	ITS Program Management and Operations (2022)	$405,062
Arcadis	ITS	H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) (2022)	$499,404
Arcadis	ITS	H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I) (2022)	$120,369
Arcadis	ITS		Purchase Order No. 2000673913 Upgrade of Existing CCTV Camera with New HD CCTV Camera on the I-20 @ Barksdale CCTV Pole in Shreveport, LA; Purchase Order No. 2000673940 US 61 @ Troop A Mini-Split Install; Purchase Order No. 2000673945 NORTMC Security CCTV Maintenance; Purchase Order No. 2000686217 I-110 @72nd St. CCTV Site Repair	$19,200
Arcadis	CE&I/OV	H.011220.6-1	I-10 CBD2 Carrollton-Lafitte Ave and Supplement Nos. 1 & 2	$199,049
Arcadis	CE&I/OV	H.013710.6	I-10: US 61 to Laplace ITS Deployment	$399,803

Arcadis	Traffic	H.012889.5	I-20 Rehab (Pines Road to I-220)	$105,896
Arcadis	Environmental	H.009932	US 80 Widening: Vancil Road to Well Road Environmental Assessment	$5,343
Arcadis	Traffic	H.003370	I-220/I-20 Interchange IMP & BAFP Access Design Build	$15,000
Arcadis	Traffic	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$273,604
Arcadis	Bridge	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$503,079
Arcadis	ITS	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$105,911
Arcadis	Traffic	H.005121	LA 1/LA 415 Connector	$105,842
Arcadis	Traffic	H.972419.1	SHSP Update and Regional SHSP Marketing/Advertising Support	$6,957
Arcadis	Road	H.012901.6, H.010634.6	US 90Z (Bodenger Blvd. – Stumpf Blvd.)	$339,654
Arcadis	Traffic	H.012018.6	Adaptive Traffic Signal Design and Implementation	$31,594
Arcadis	Traffic	H.014305.1	US 61: Cardinal Drive to Bert Street	$22,179
Arcadis	Traffic	H.013797	LA 30: EBR PL – I-10	$459,160
Arcadis	Bridge	H.000413	Cross Bayou Bridge Replacement	$169,582
Arcadis	Traffic	H.000413	Cross Bayou Bridge Replacement	$141,425
Arcadis	Environmental	H.012891	LA 300 at Bayou LaLoutre	$7,151
Arcadis	Environmental	H.014215	LA 20 at 40 Arpent Canal and Drainage Canals	$18,212
Arcadis	Environmental	H.014213	LA 700 at Indian Bayou and Bayou Grand Marais	$12,483
Arcadis	Environmental	H.014279	LA 35: Drain Canal Near Lawtell	$13,836
Arcadis	Environmental	H.014278	LA 85: Patout and Drain Canal Bridges	$18,058
Arcadis	Environmental	H.014276	LA 975: Creek Bridges	$8,204
Arcadis	Environmental	H.014216	LA 682 at Norris Canal and Unnamed Tributaries	$30,314
Arcadis	Environmental	H.014241	LA 10 at Mill Creek	$11,465
Arcadis	Environmental	H.014251	LA 422: Bridge Over Unnamed Stream	$14,828
Arcadis	Environmental	H.012565	LA 963 at Redwood Creek and Little Redwood Creek	$7,192
Arcadis	Environmental	H.014257	LA 68 at Karrs Creek	$27,629
Arcadis	Environmental	H.014253	LA 421 at Thom Creek	$6,031
Arcadis	Environmental	H.014256	LA 952 at McKowen Creek and Beaver Creek	$32,217
Arcadis	Environmental	H.014254	LA 955 at Knighton Bayou, Trib. Olive Branch, White Branch, and Chapman Branch	$18,268
Arcadis	Environmental	H.012061	LA 1 at Lateral W15#7A and Bayou Moreau	$7,827
Arcadis	Environmental	H.014252	LA 1054 at Tyner Creek	$6,057

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
ITS LLC	ITS	H.013256.6	I-10 ITS Scott to Lake Charles - Construction	$14,345
ITS LLC	ITS	H.014515	511 & ATMS SEA	$13,360

ITS LLC	ITS	H.013710.6	I-10: US61 to LaPlace Deployment	$20,284
ITS LLC	ITS	H.012381.5	ITS FMS Data Collection/Inventory Services	$8,827
ITS LLC	ITS	H.011152	I-12- US 190 to LA 59	$49,382
ITS LLC	ITS	H.007160	EBR Computerized Signal Phase VB	$104,086
ITS LLC	ITS	H.001234.6	LA1 Port Allen Canal BR Replacement	$14,291
ITS LLC	ITS	H.013868.6(A)	ITS Routine Maintenance Engineering and Inspection (ME&I)	$407,986
ITS LLC	ITS	H.013868.6 (B)	ITS Responsive/Emergency ME&I Statewide	$109,438
ITS LLC	ITS	H.013868.5	ITS Maintenance Program Management and Operations	$51,597
ITS LLC	ITS	H.012676	I-10 Ramps at LA 3019 Interstate Improvements	$4,970

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
Buchart Horn, Inc.	Environmental	H005257, FAP 9902(518)	Houma-Thibodaux to I-10 Corridor Environmental Impact Statement	$3,284
Buchart Horn, Inc.	Environmental	H.009153.2, FAP H009153	US 84 Improvements	$3,000
Buchart Horn, Inc.	Bridge (Lighting)	H.010319.5	I-110 Reconstruction from North Street-Plank Road	$66,358
Buchart Horn, Inc.	CE&I/OV	H.012422.6	I-110 at Terrace Avenue Ramp Modification CA Services	$3,686
Buchart Horn, Inc.	CE&I/OV	H.012874.6	I-55 at LA 22 Interchange New Lighting CA Services	$31,993
Buchart Horn, Inc.	Traffic (Safety)	H.013322	LA 3040 Corridor Improvements Study	$96,346
Buchart Horn, Inc.	Traffic (Safety)	H.041305.1	US 61: Cardinal Drive to Bert Street	$70,000
Buchart Horn, Inc.	Bridge (Lighting)	H.010616.5	New I-20 Overpass over LA 544 Lighting	$58,546
Buchart Horn, Inc.	Bridge (Lighting)	H.014302.5	US 165 Roadway Lighting	$148,460
Buchart Horn, Inc.	Bridge (Lighting)	H.010319.5	I-110 Lighting from North Street to Plank Road	$52,538

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
T. Baker Smith, LLC	CE&I/OV	H.004113	LA 3241: LA 435 to LA 40/41	$102,556
T. Baker Smith, LLC	CE&I/OV	H.011152	I-12: US 190 to LA 59	$70,805
T. Baker Smith, LLC	Road	H.012812	US 190 at Northshore and Camp Villere	$25,100
T. Baker Smith, LLC	Road	H.013199	Country Estates Dr. Over St. Louis Bayou	$750
T. Baker Smith, LLC	Bridge	H.013199	Country Estates Dr. Over St. Louis Bayou	$799
T. Baker Smith, LLC	Other	H.014217	LA 537: Bridges Near Plain Dealing	$8,352
T. Baker Smith, LLC	Road	H.014217	LA 537: Bridges Near Plain Dealing	$54,645
T. Baker Smith, LLC	Bridge	H.014217	LA 537: Bridges Near Plain Dealing	$48,750
T. Baker Smith, LLC	Environmental	H.014217	LA 537: Bridges Near Plain Dealing	$11,175
T. Baker Smith, LLC	Other	H.014218	LA 2A: Thorny Branch & Indian Creek Brs	$8,606
T. Baker Smith, LLC	Road	H.014218	LA 2A: Thorny Branch & Indian Creek Brs	$47,047
T. Baker Smith, LLC	Bridge	H.014218	LA 2A: Thorny Branch & Indian Creek Brs	$23,264

T. Baker Smith, LLC	Environmental	H.014218	LA 2A: Thorny Branch & Indian Creek Brs	$16,581
T. Baker Smith, LLC	Survey	H.014218	LA 2A: Thorny Branch & Indian Creek Brs	$34,219
T. Baker Smith, LLC	Other	H.014219	LA 507: Creek Bridges Near Simsboro	$8,833
T. Baker Smith, LLC	Road	H.014219	LA 507: Creek Bridges Near Simsboro	$60,074
T. Baker Smith, LLC	Bridge	H.014219	LA 507: Creek Bridges Near Simsboro	$57,779
T. Baker Smith, LLC	Environmental	H.014219	LA 507: Creek Bridges Near Simsboro	$16,876
T. Baker Smith, LLC	Other	H.014222	LA 516: Poland Branch Bridge	$3,998
T. Baker Smith, LLC	Road	H.014222	LA 516: Poland Branch Bridge	$24,387
T. Baker Smith, LLC	Bridge	H.014222	LA 516: Poland Branch Bridge	$12,004
T. Baker Smith, LLC	Environmental	H.014222	LA 516: Poland Branch Bridge	$2,105
T. Baker Smith, LLC	Other	H.014225	LA 528: Clark Bayou Bridge	$5,775
T. Baker Smith, LLC	Road	H.014225	LA 528: Clark Bayou Bridge	$11,884
T. Baker Smith, LLC	Bridge	H.014225	LA 528: Clark Bayou Bridge	$14,691
T. Baker Smith, LLC	Environmental	H.014225	LA 528: Clark Bayou Bridge	$2,340
T. Baker Smith, LLC	Other	H.014228	LA 159: Bridges Near Shongaloo	$8,636
T. Baker Smith, LLC	Road	H.014228	LA 159: Bridges Near Shongaloo	$66,314
T. Baker Smith, LLC	Bridge	H.014228	LA 159: Bridges Near Shongaloo	$29,317
T. Baker Smith, LLC	Environmental	H.014228	LA 159: Bridges Near Shongaloo	$22,884
T. Baker Smith, LLC	Other	H.014231	LA 153: Topy Creek Relief & Drain Brs	$16,135
T. Baker Smith, LLC	Road	H.014231	LA 153: Topy Creek Relief & Drain Brs	$84,556
T. Baker Smith, LLC	Bridge	H.014231	LA 153: Topy Creek Relief & Drain Brs	$68,415
T. Baker Smith, LLC	Environmental	H.014231	LA 153: Topy Creek Relief & Drain Brs	$27,609
T. Baker Smith, LLC	Other	H.014233	LA 160: Cypress Bayou and Relief Bridges	$2,546
T. Baker Smith, LLC	Road	H.014233	LA 160: Cypress Bayou and Relief Bridges	$8,860
T. Baker Smith, LLC	Bridge	H.014233	LA 160: Cypress Bayou and Relief Bridges	$9,088
T. Baker Smith, LLC	Environmental	H.014233	LA 160: Cypress Bayou and Relief Bridges	$3,726
T. Baker Smith, LLC	Other	H.014236	LA 3008: Bridges Near Cotton Valley	$17,785
T. Baker Smith, LLC	Road	H.014236	LA 3008: Bridges Near Cotton Valley	$106,767
T. Baker Smith, LLC	Bridge	H.014236	LA 3008: Bridges Near Cotton Valley	$95,245
T. Baker Smith, LLC	Environmental	H.014236	LA 3008: Bridges Near Cotton Valley	$37,537
T. Baker Smith, LLC	Other	H.014238	LA 818: Barnet Springs & Creek Bridges	$9,859
T. Baker Smith, LLC	Road	H.014238	LA 818: Barnet Springs & Creek Bridges	$42,406
T. Baker Smith, LLC	Bridge	H.014238	LA 818: Barnet Springs & Creek Bridges	$41,212
T. Baker Smith, LLC	Environmental	H.014238	LA 818: Barnet Springs & Creek Bridges	$12,046

T. Baker Smith, LLC	Survey	H.014238	LA 818: Barnet Springs & Creek Bridges	$22,039
T. Baker Smith, LLC	Other	H.014239	LA 589: Lyon Bayou Bridge	$11,948
T. Baker Smith, LLC	Road	H.014239	LA 589: Lyon Bayou Bridge	$42,197
T. Baker Smith, LLC	Bridge	H.014239	LA 589: Lyon Bayou Bridge	$20,530
T. Baker Smith, LLC	Environmental	H.014239	LA 589: Lyon Bayou Bridge	$14,160
T. Baker Smith, LLC	Survey	H.014239	LA 589: Lyon Bayou Bridge	$17,136
T. Baker Smith, LLC	Other	H.014264	LA 556: Bridges Near Choudrant	$29,269
T. Baker Smith, LLC	Road	H.014264	LA 556: Bridges Near Choudrant	$156,790
T. Baker Smith, LLC	Bridge	H.014264	LA 556: Bridges Near Choudrant	$124,738
T. Baker Smith, LLC	Environmental	H.014264	LA 556: Bridges Near Choudrant	$62,118
T. Baker Smith, LLC	Survey	H.014264	LA 556: Bridges Near Choudrant	$186,497
T. Baker Smith, LLC	Other	H.003931	Calcasieu River Bridge	$124,472
T. Baker Smith, LLC	Other	H.012541.5	LA 594: Overpass I-20	$102,584
T. Baker Smith, LLC	Other	H.003931.5	Calcasieu River Bridge Phase 2	$93,364
T. Baker Smith, LLC	Other	H.003931.5	Calcasieu River Bridge Phase 3	$158,043
T. Baker Smith, LLC	Other	H.003931.5	Calcasieu River Bridge UC and Test Holes	$549,808

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
GSRC	Cultural Resources	4400014188	IDIQ Contract for Cultural Resources Services	N/A
GSRC	Environmental Documentation	4400015812	IDIQ Contract for Environmental Services Statewide	N/A
		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.012348	LA 1026: Roundabout at Eden Church Road, Livingston Parish	$9,375
The Lakvold Group, LLC	Appraisal	H.013997	Local Road Over Borrow Pit (Blind River Boat Launch), St. James Parish	$2,400
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

Intelligent Transportation Systems LLC (ITS LLC)
Gulf South Research Corporation (GSRC)

20. Certifications/Licenses

INDEX OF INCLUDED CERTIFICATIONS BY EMPLOYEE	GEC									ARCADIS							INTELLIGENT TRANSPORTATION SYSTEMS					GSRC					THE LAKVOLD GROUP	
	Jeff Robinson	Bliss Bernard	Laura Carnes	Tom Swanson	Jerome Lohmann	Nicole Forsyth	Chris Nipper	Logan Michel	Brandon Abbott	Akhil Chauhan	Ari Deitch	Thomas Montz	Jose Rodriguez	Jason Morrell	Jan Hughes	Kester Hollier	Kimberly McDaniel	Diane Hammonds	Jonathan Fox	Clarke Chauvin	Colin Francis	Suna Adam	Elizabeth Hunt	John Lindemuth	Bretton Somers	FIRM CERTIFICATE	Angela Lakvold	FIRM CERTIFICATE
Minimum Personnel Requirement	1,2	1,2			5					6			5				6							3	3		4	
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		•		•			•	•	•	•	•	•				•	•	•	•	•	•							
Professional Traffic Operations Engineer				•						•	•	•				•	•	•	•	•								
DBE Certifications																										•		•
ADDITIONAL CREDENTIALS (certifications not included)																												
Professional 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

Laura Carnes

National Highway Institute

Certificate of Training

Laura Carnes

has participated in

NEPA and Transportation Decision Making

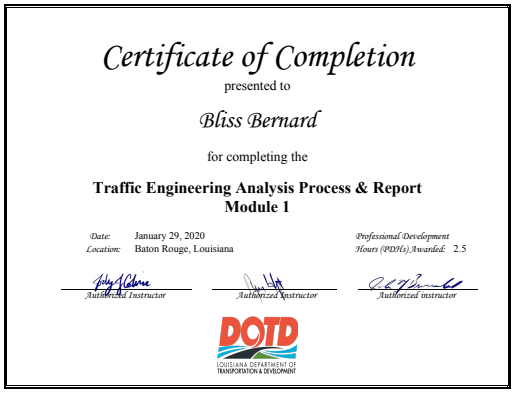
hosted by

LA DOTD/LTRC

Date: March 4-6, 2008
Location: Baton Rouge, Louisiana
Hours of Instruction: 18

Instructor
Instructor
Sandra Romero — Local Coordinator
Joseph S. [illegible], Associate Administrator, Office of Professional and Corporate Development

Bliss Bernard



Certificate of Completion

presented to

Bliss Bernard

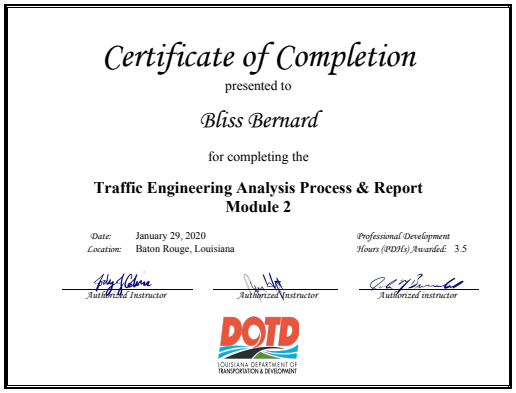
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 2.5

Authorized Instructor — Authorized Instructor — Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Bliss Bernard

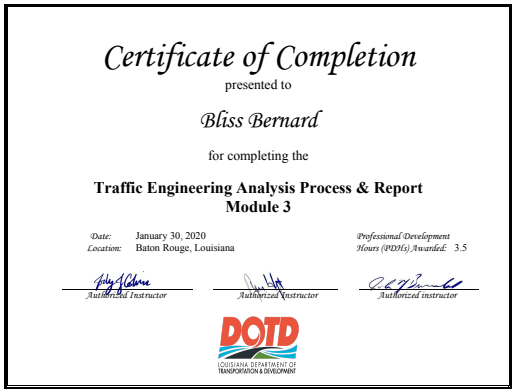
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) 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 (PDH's) 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

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
Instructor
Local Coordinator
Valerie Briggs, Director
National Highway Institute

Nicole Forsyth

National Highway Institute

Certificate of Training

Nicole Forsyth

has satisfactorily completed training in

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

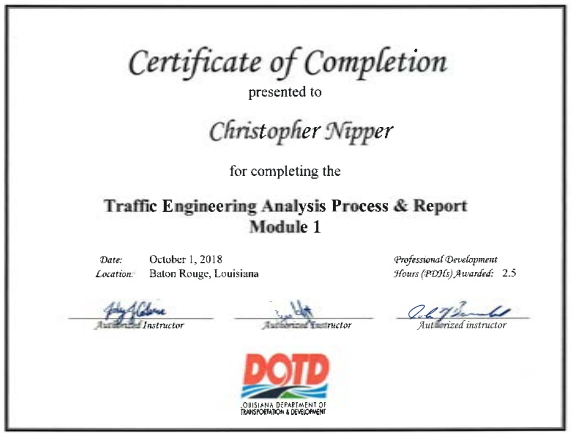
National Highway Institute

Location: Baton Rouge, LA
Date: August 20-22, 2002
Hours of instruction: 18
Continuing Education Units: 1.8

Instructor
Director, National Highway Institute
Federal Highway Administration

Coordinator
Director, Office of Professional Development
Federal Highway Administration

Chris Nipper



Certificate of Completion

presented to

Christopher Nipper

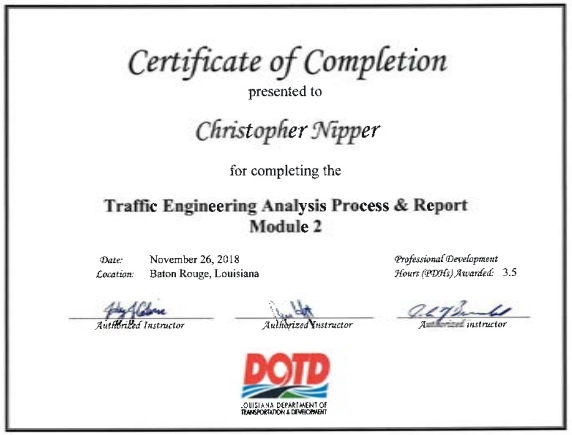
for completing the

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

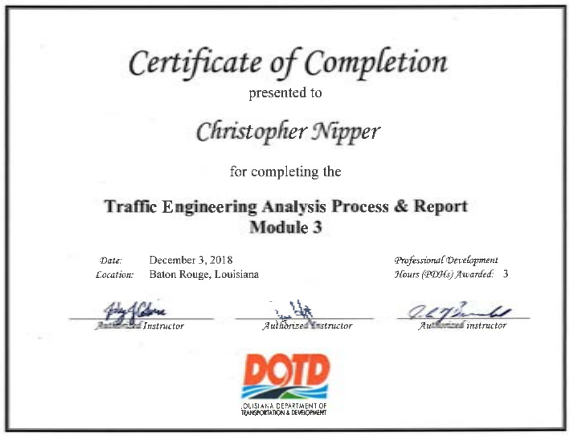
for completing the

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

Thomas Swanson

Certificate of Completion
presented to
Thomas Swanson
for completing the
Traffic Engineering Analysis Process & Report
Module 1

Date: January 17, 2019 — *Professional Development Hours (PDHs) Awarded:* 2
Location: Baton Rouge, Louisiana

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD Louisiana Department of Transportation & Development

Certificate of Completion
presented to
Thomas Swanson
for completing the
Traffic Engineering Analysis Process & Report
Module 2

Date: January 22, 2019 — *Professional Development Hours (PDHs) Awarded:* 3
Location: Baton Rouge, Louisiana

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD Louisiana Department of Transportation & Development

Certificate of Completion
presented to
Thomas Swanson
for completing the
Traffic Engineering Analysis Process & Report
Module 3

Date: February 28, 2019 — *Professional Development Hours (PDHs) Awarded:* 3
Location: Baton Rouge, Louisiana

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD Louisiana Department of Transportation & Development

From: info@ite.org [mailto:info@ite.org]
Sent: Friday, April 16, 2021 7:30 AM
To: Tom Swanson <TSwanson@gecinc.com>
Cc: certification@tpcb.org
Subject: TPCB Renewal Approval Notice

Mr. Thomas R. Swanson, P.E., PTOE
GEC Inc.

Thank you for renewing your certification as a Professional Traffic Operations Engineer®® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 4/10/2024.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 4/10/2024. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb.org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Logan Michel

Certificate of Completion
presented to
Logan Michel
for completing the
Traffic Engineering Analysis Process & Report
Module 1

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

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 — *Professional Development Hours (PDHs) Awarded:* 3
Location: Baton Rouge, Louisiana

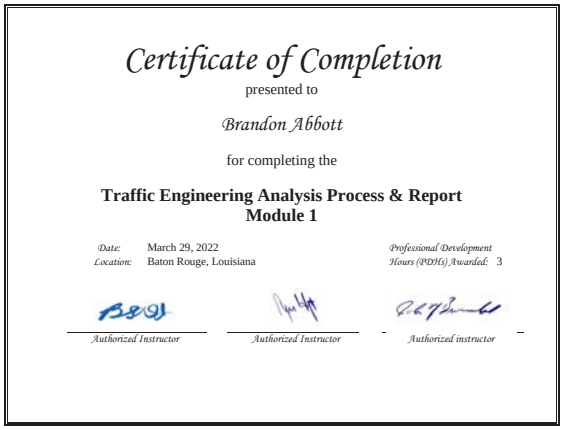
Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion
presented to
Logan Michel
for completing the
Traffic Engineering Analysis Process & Report
Module 3

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

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

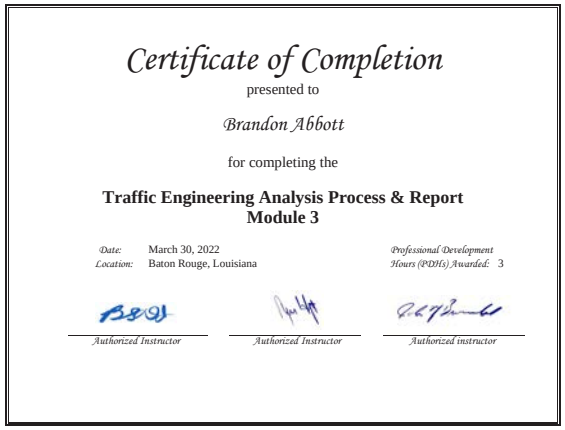
for completing the

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

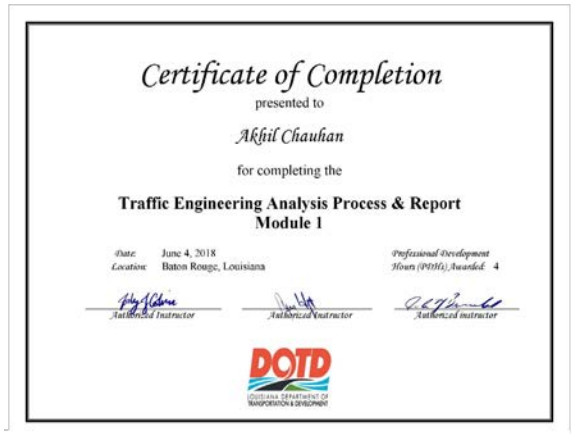
Traffic Engineering Analysis Process & Report
Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Akhil Chauhan



Certificate of Completion

presented to

Akhil Chauhan

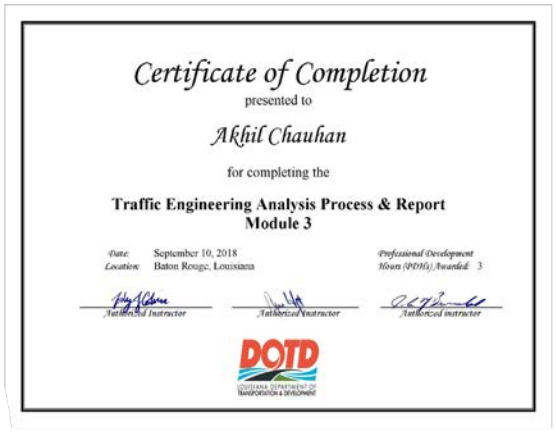
for completing the

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

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Akhil Chauhan

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Akhil Chauhan

has participated in

NHI Course No. 142005 -
NEPA and Transportation Decision Making

hosted by

LA DOTD/LTRC

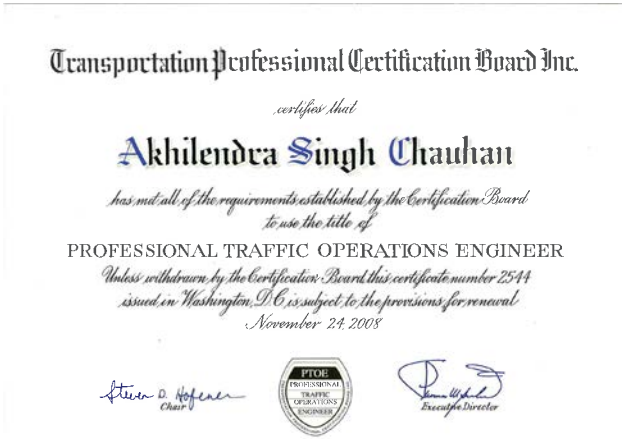
Date: May 28-30, 2014
Location: Baton Rouge, LA

Hours of Instruction: 18

Instructor
Instructor

Allison H. Landry
Local Coordinator

Richard Barnaby, Director
National Highway Institute



Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

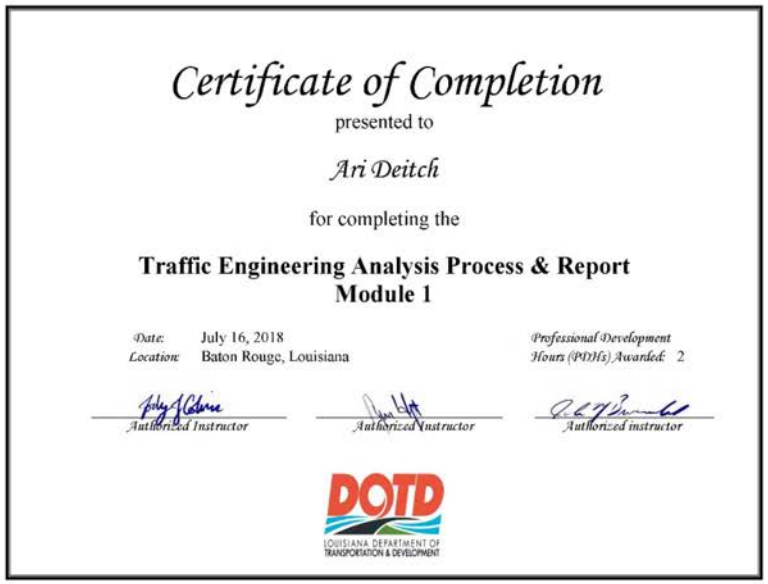
Unless withdrawn by the Certification Board this certificate number 2544 issued in Washington, D.C. is subject to the provisions for renewal

November 24 2008

Steven D. Hofener
Chair

PTOE
PROFESSIONAL
TRAFFIC OPERATIONS ENGINEER

Executive Director



Certificate of Completion

presented to

Ari Deitch

for completing the

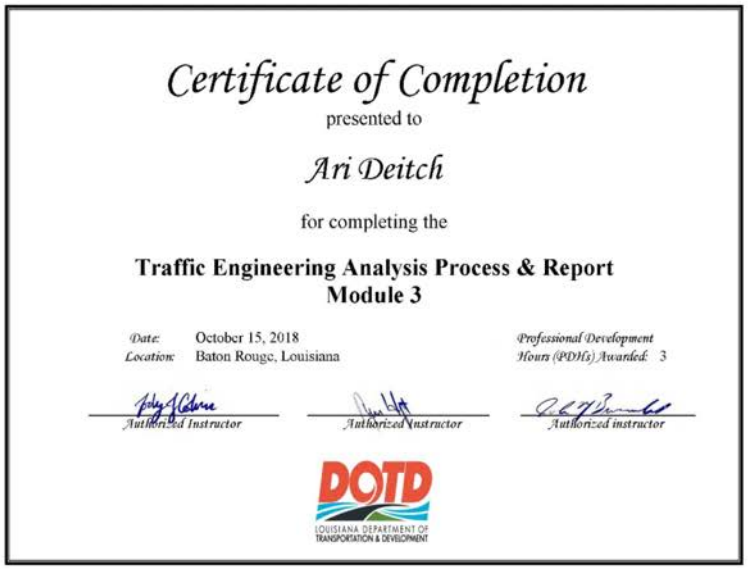
Traffic Engineering Analysis Process & Report
Module 1

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

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ari Deitch

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

Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

has met all of the requirements established by the Certification Board to use the title of

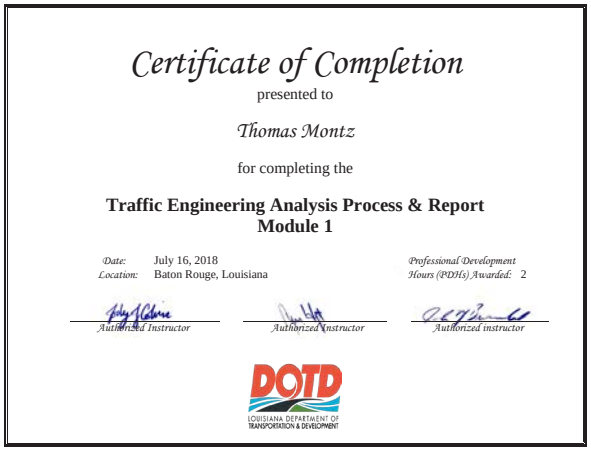
Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 4346 issued in Washington, DC, USA

11/20/17

Michael K. Park, Chair | PTOE Professional Traffic Operations Engineer | Jeffrey F. Paniati, Executive Director

Thomas Montz



Certificate of Completion

presented to

Thomas Montz

for completing the

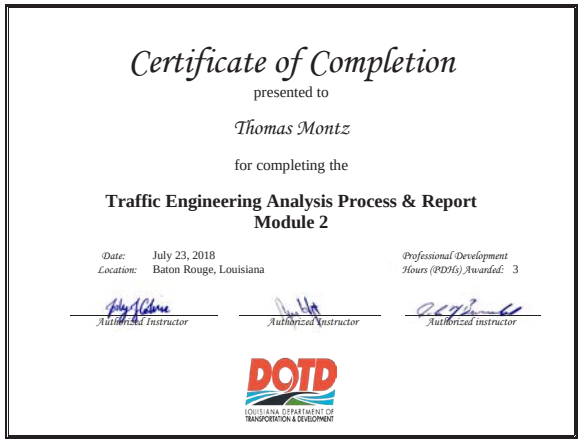
Traffic Engineering Analysis Process & Report
Module 1

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

Thomas Montz

for completing the

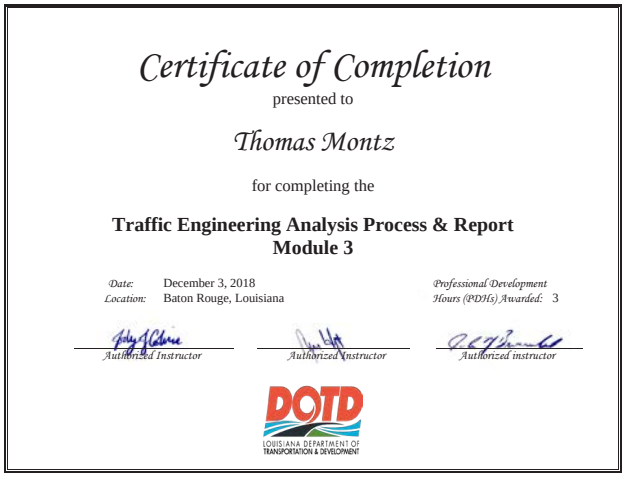
Traffic Engineering Analysis Process & Report
Module 2

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

Thomas Montz

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: December 3, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Transportation Professional Certification Board, Inc.

certifies that

Thomas Jude Montz, Jr.

has met all of the requirements established by the Certification Board to use the title of

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4093 issued in Washington, DC, USA
7/18/2016

Kenneth W. Ackerd
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Jeffrey F. Paniati
Executive Director

National Highway Institute

Certificate of Training

Jan Grenfell

has participated in

NHI Course No. 142049 – Beyond Compliance: Historic Preservation in Transportation Project Development

hosted by

LA DOTD/LTRC

Date: January 29-31, 2013
Location: Baton Rouge, LA
Hours of Instruction: 18

Instructor
Instructor
Local Coordinator
Richard Barnaby, Director
National Highway Institute

GSA INTERAGENCY TRAINING CENTER

CERTIFICATE OF TRAINING

This is to certify that

Jan Grenfell

has successfully completed

Introduction to Federal Projects
and Historic Preservation Law

June 11-13, 1996

Thomas J. Horan
Director

University of Nevada, Reno
Heritage Resources Management Program

This will verify that

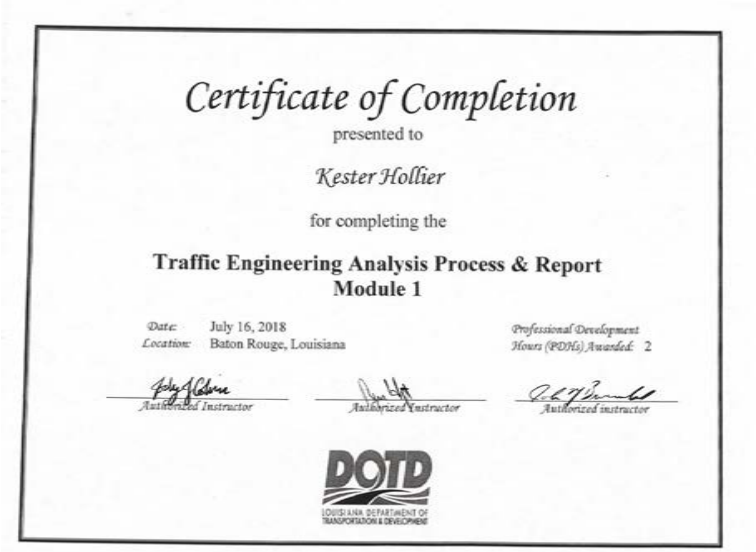
Jan Grenfell

has successfully completed

Introduction to Section 106 Review

New Orleans, Louisiana
July 17-18, 2001

Associate Vice President & Dean,
College of Extended Studies
Instructor
Program Director



Certificate of Completion

presented to

Kester Hollier

for completing the

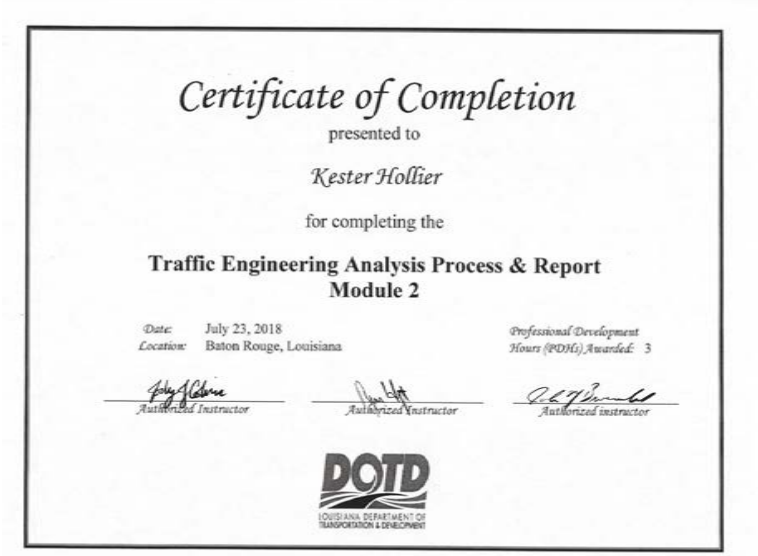
Traffic Engineering Analysis Process & Report
Module 1

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

Kester Hollier

for completing the

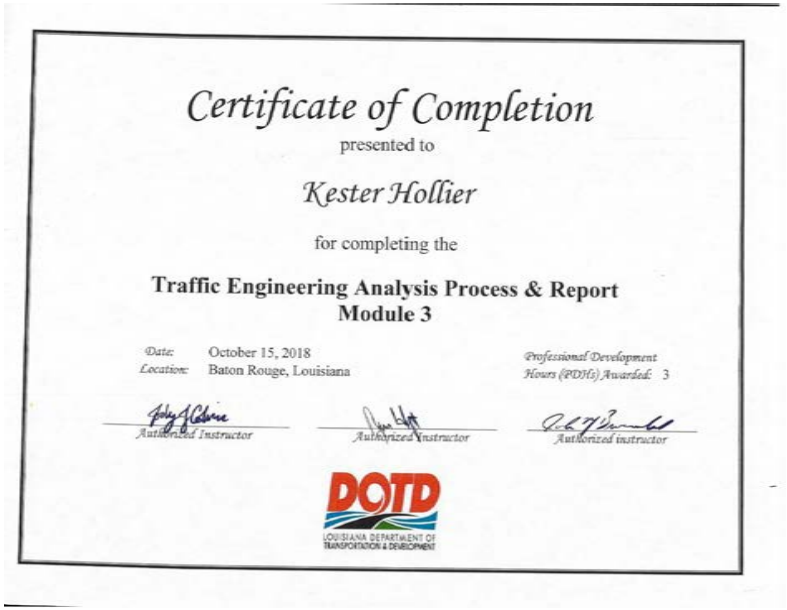
Traffic Engineering Analysis Process & Report
Module 2

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

Kester Hollier

for completing the

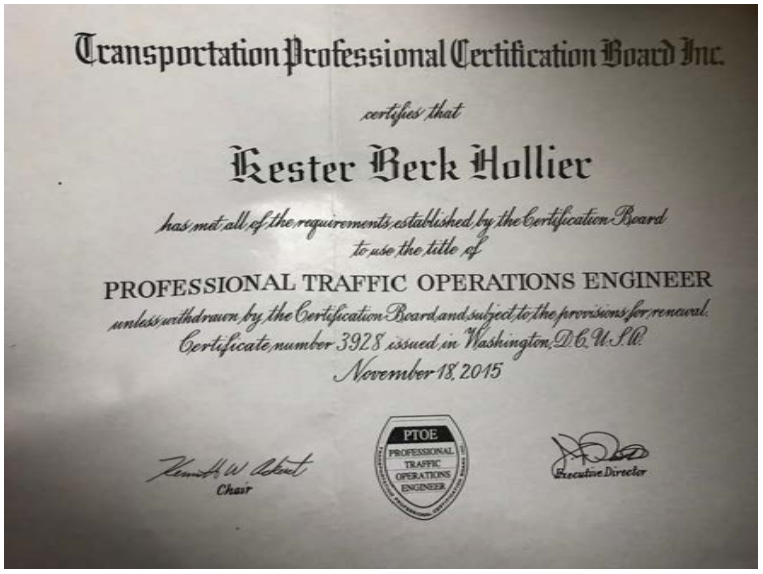
Traffic Engineering Analysis Process & Report
Module 3

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



Transportation Professional Certification Board Inc.

certifies that

Kester Berk Hollier

has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 3928 issued in Washington, D.C. U.S.A.
November 18, 2015

Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Executive Director

Jason Morrell

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

JASON MORRELL

has participated in

FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process

hosted by

LA DOTD/LTRC

Date: *December 3-5, 2018*
Location: *Baton Rouge, LA*

Hours of Instruction: 18

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

PWS

Society of Wetland Scientists
Professional Certification Program, Inc

renews the designation

Professional Wetland Scientist

For

Jason E. Morrell

In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Renewal Program, and verified by the Society's Certification Renewal Review Panel. Professional Wetland ScientistNumber 2319 issued on 4/1/2013 and recertified on 2/10/2018. Due to recertify again by 4/1/2023.

Ben LePage, PWS
President

Pat Frost, PWS
Certification Renewal Chair

Diane Hammonds

Transportation Professional Certification Board, Inc.

certifies that

Diane Callahan Hammonds

has met all of the requirements established by the Certification Board to use the title of

Professional Traffic Operations Engineer

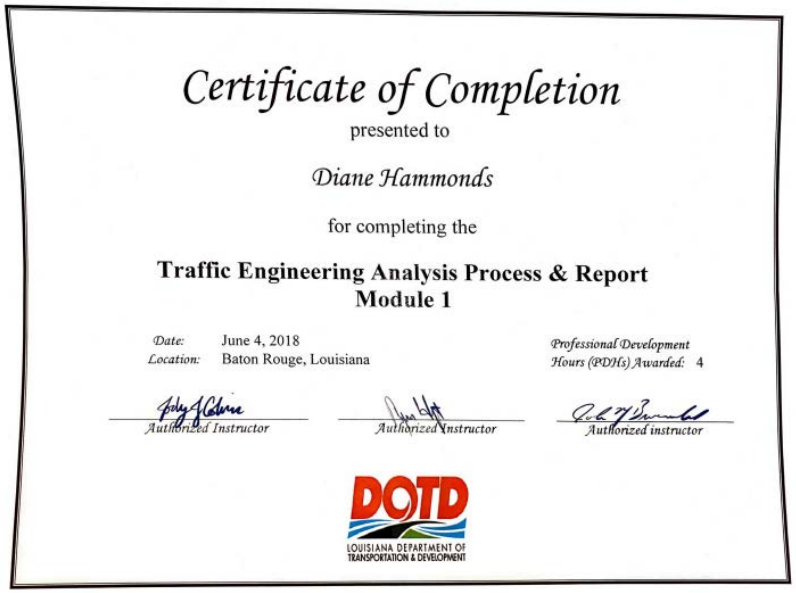
unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4118 issued in Washington, DC, USA

12/19/16

Kenneth W. Ackeret
Chair

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Jeffrey F. Paniati
Executive Director



Certificate of Completion

presented to

Diane Hammonds

for completing the

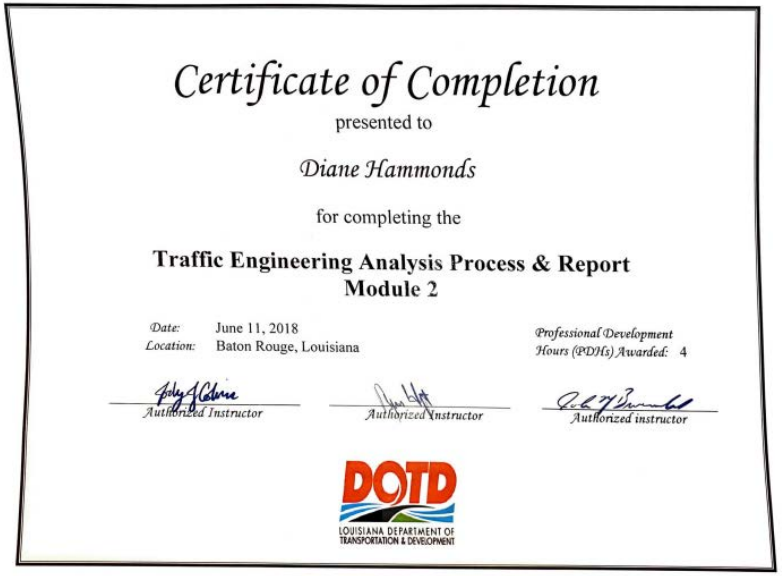
Traffic Engineering Analysis Process & Report
Module 1

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

Diane Hammonds

for completing the

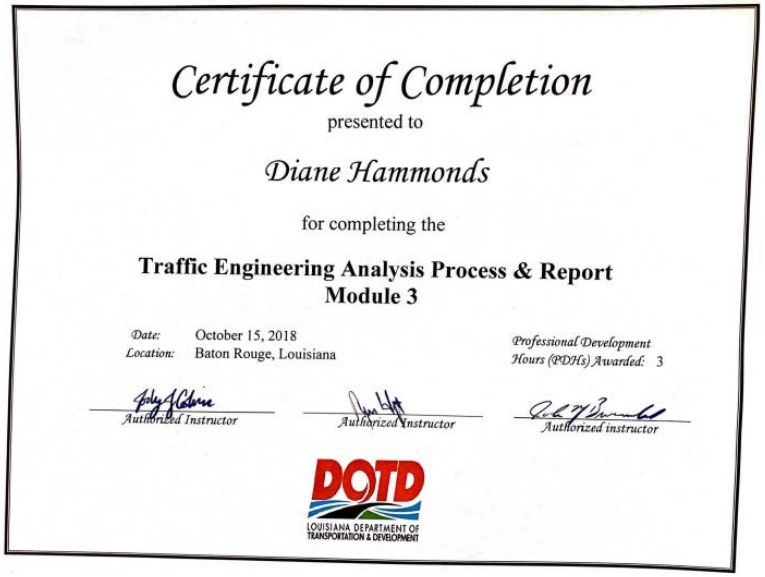
Traffic Engineering Analysis Process & Report
Module 2

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

Diane Hammonds

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

Kimberly McDaniel

Transportation Professional Certification Board Inc.

certifies that

Kimberly D. McDaniel

has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.

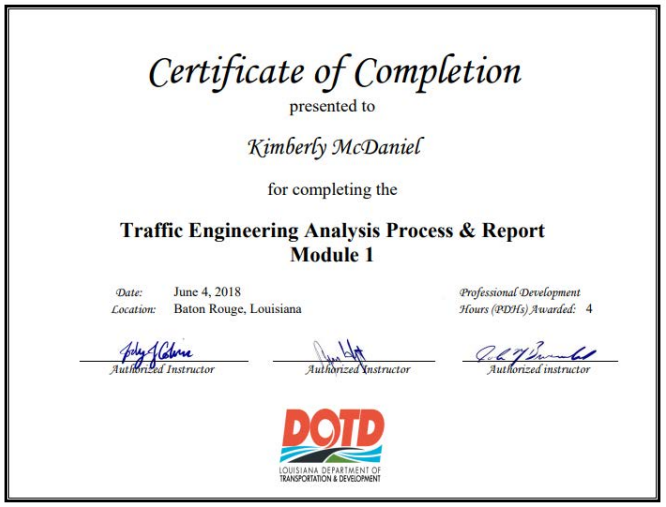
Certificate number 2072 issued in Washington, D.C. U.S.A.

October 2, 2007

Steven D. Hofener
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Executive Director



Certificate of Completion

presented to

Kimberly McDaniel

for completing the

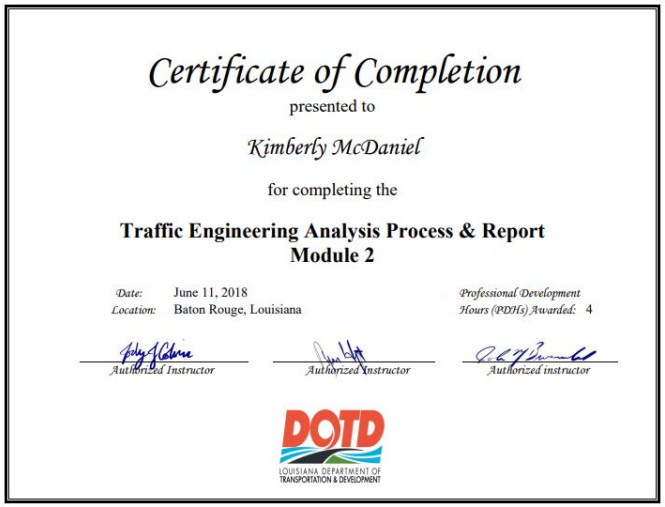
Traffic Engineering Analysis Process & Report
Module 1

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

Kimberly McDaniel

for completing the

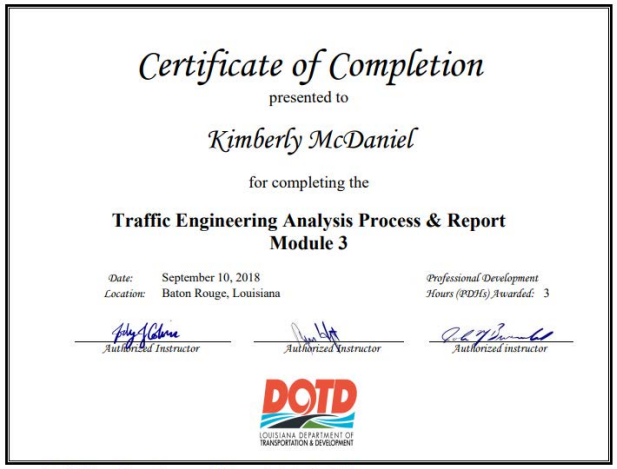
Traffic Engineering Analysis Process & Report
Module 2

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

Kimberly McDaniel

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

Jonathan Fox

Transportation Professional Certification Board Inc.

certifies that

Jonathan Nicolas Fox

has met all of the requirements established by the Certification Board to use the title of

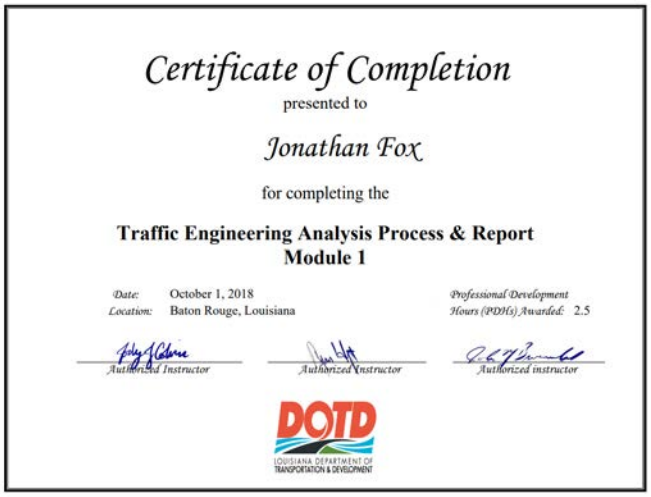
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 2329 issued in Washington, D.C., U.S.A.

November 7, 2007

Steven D. Hofener, Chair — PTOE Professional Traffic Operations Engineer — Executive Director



Certificate of Completion

presented to

Jonathan Fox

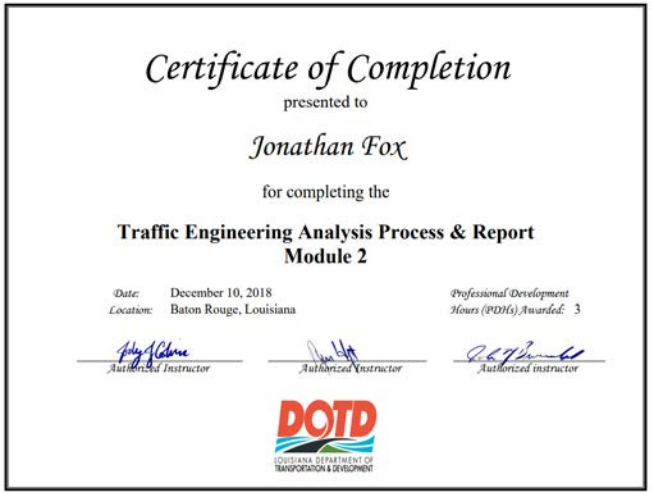
for completing the

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

Jonathan Fox

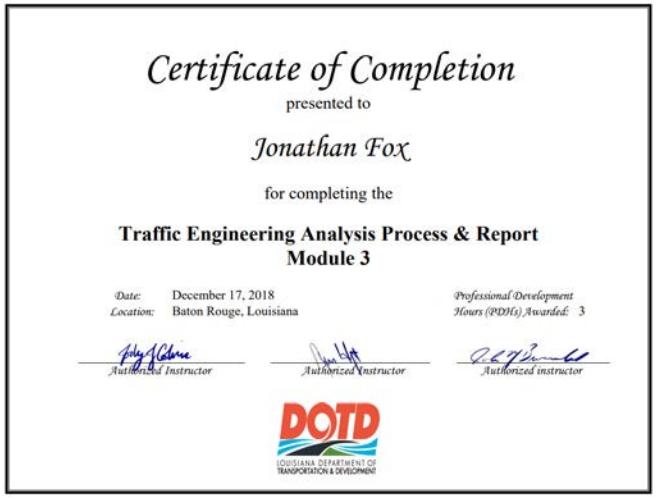
for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor — Authorized Instructor — Authorized Instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Jonathan Fox

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

Clarke Chauvin

Transportation Professional Certification Board, Inc.

certifies that

Clarke Phillip Chauvin

has met all of the requirements established by the Certification Board to use the title of

Professional Traffic Operations Engineer

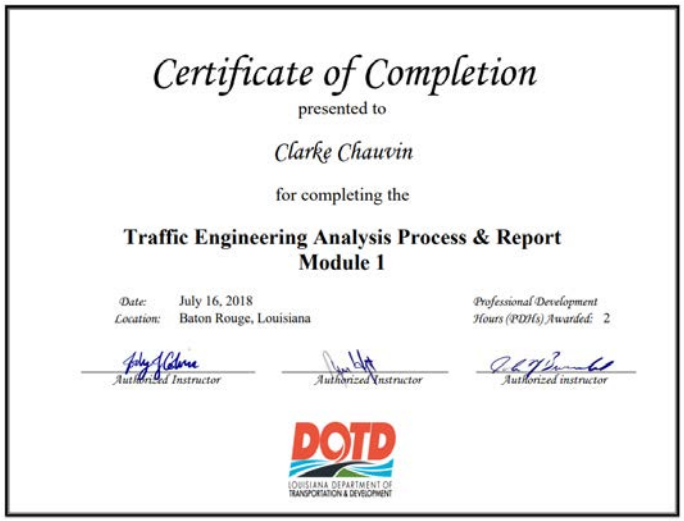
unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 4387 issued in Washington, DC, USA

11/20/17

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Michael K. Park, Chair

Jeffrey T. Paniati, Executive Director



Certificate of Completion

presented to

Clarke Chauvin

for completing the

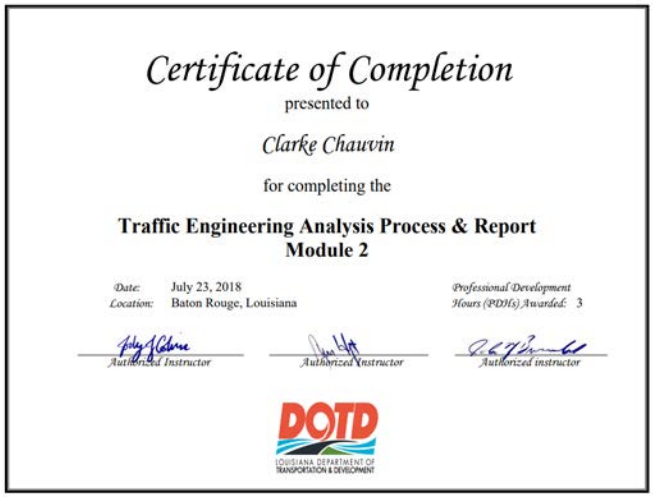
Traffic Engineering Analysis Process & Report
Module 1

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

Clarke Chauvin

for completing the

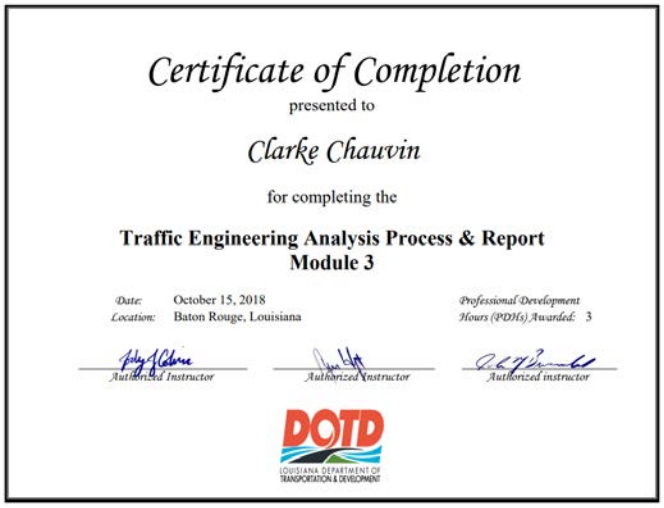
Traffic Engineering Analysis Process & Report
Module 2

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

Clarke Chauvin

for completing the

Traffic Engineering Analysis Process & Report
Module 3

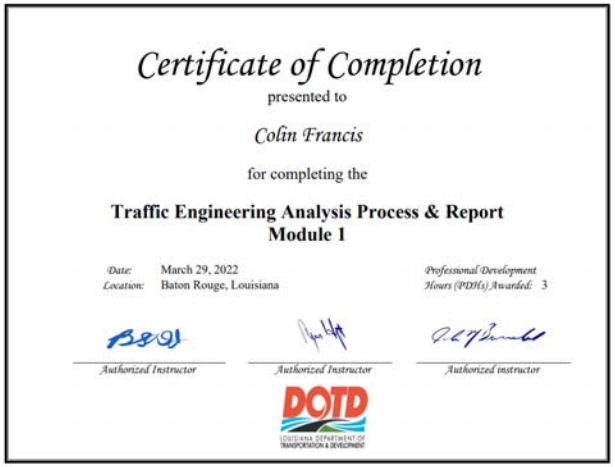
Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Colin Francis



Certificate of Completion

presented to

Colin Francis

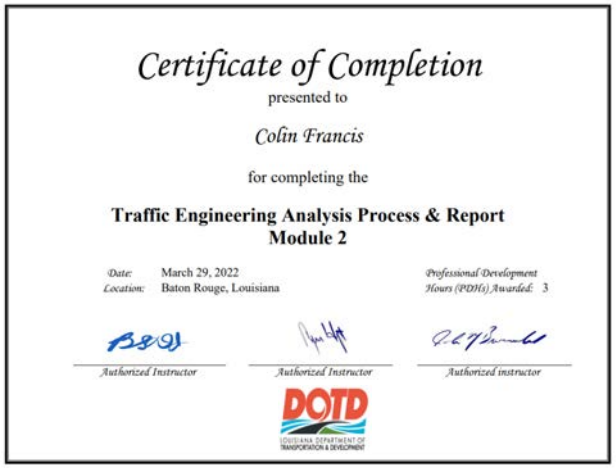
for completing the

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*

DOTD



Certificate of Completion

presented to

Colin Francis

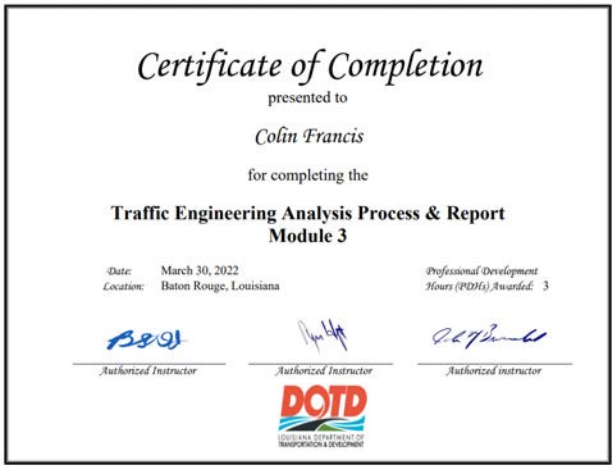
for completing the

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*

DOTD



Certificate of Completion

presented to

Colin Francis

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*

DOTD

Suna Adam

Certificate of Attendance

presented to

Suna Adam Knaus

for attending the

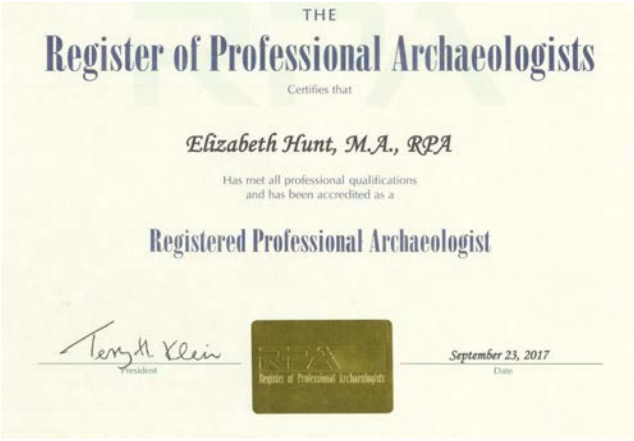
National Environmental Policy Act (NEPA) and Transportation decision Making

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

Register of Professional Archaeologists

September 23, 2017
Date

ACHP
Advisory Council on Historic Preservation

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

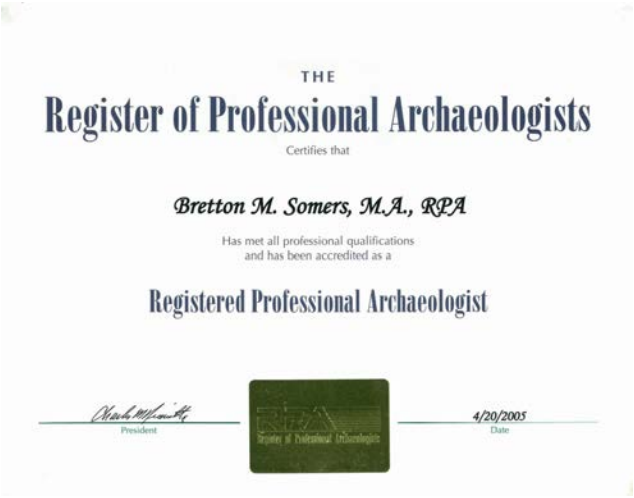
President, CEO

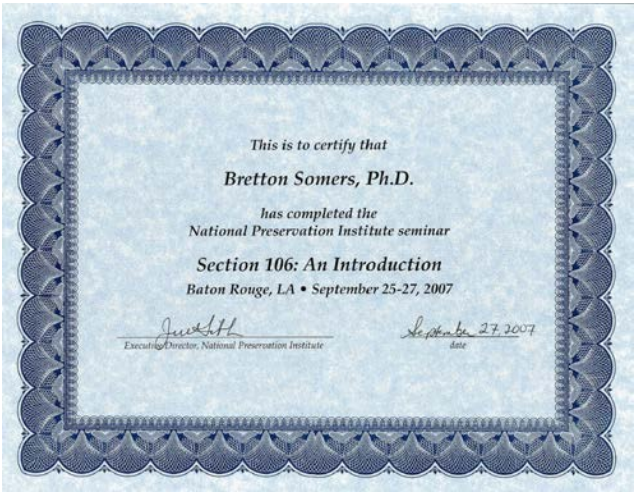
ATSSA provides training and certification but neither constitutes employment by ATSSA

ATSSA American Traffic Safety Services Association ATSSA.com

John Lindemuth

Bretton Somers





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

Angie Lakvold


MEMBERSHIP CERTIFICATE

This Certifies That

Angela Lemoine- Lakvold

has been admitted to membership as an

MAI Member

in the Appraisal Institute and is entitled to all the rights and privileges of membership subject only to the limiting conditions set forth from time to time in the Bylaws and Regulations of the Appraisal Institute.

In Witness Whereof, the Board of Directors of the Appraisal Institute has authorized this certificate to be signed in its behalf by the President, and the Corporate Seal to be hereunto affixed on this 13th day of June, 1995.

APPRAISAL INSTITUTE


The International Right of Way Association

R/W-AC CERTIFIED

Hereby certifies that

Angela Lemoine-Lakvold, R/W-AC

has successfully completed the exam, experience and course curriculum requirements for this certification demonstrating the aptitude to understand, communicate and perform within standards of the right of way profession as required by the Credentialing Committee for the discipline, and is authorized as

Right of Way - Appraisal Certified

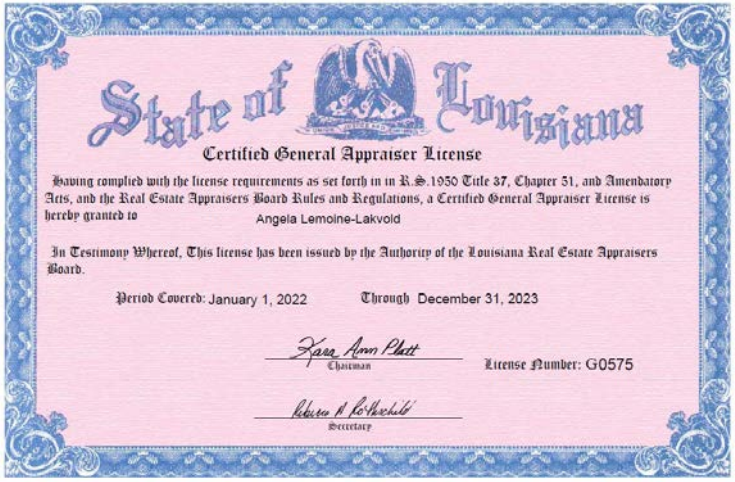
Certified: 01/01/2012

Recertification Due: 01/01/2027

Judy Jones , SR/WA
International President

Elizabeth Smith, SR/WA
Vice Chair, International Professional Education Committee

IRWA
BUILDING A BETTER WORLD TOGETHER...


State of Louisiana

Certified General Appraiser License

Having complied with the license requirements as set forth in in R.S.1950 Title 37, Chapter 31, and Amendatory Acts, and the Real Estate Appraisers Board Rules and Regulations, a Certified General Appraiser License is hereby granted to Angela Lemoine-Lakvold

In Testimony Whereof, This license has been issued by the Authority of the Louisiana Real Estate Appraisers Board.

Period Covered: January 1, 2022 Through December 31, 2023

Kara Ann Platt
Chairman

License Number: G0575

Secretary


APPRAISAL INSTITUTE

MEMBERSHIP CERTIFICATE

This Certifies That

Angela Lemoine

has been admitted to membership as an

SRA Member

in the Appraisal Institute and is entitled to all the rights and privileges of membership subject only to the limiting conditions set forth from time to time in the Bylaws and Regulations of the Appraisal Institute.

In Witness Whereof, the Board of Directors of the Appraisal Institute has authorized this certificate to be signed in its behalf by the President, and the Corporate Seal to be hereunto affixed on this 15th day of January, 1993

Patricia J. Marshall
PRESIDENT

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

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
Arcadis	10352 Plaza Americana Drive Baton Rouge, LA 70816	Akhil Chauhan, PE, PTOE, PMP, PTP Akhil.chauhan@arcadis.com	504-232-9820
Intelligent Transportation Systems LLC	20405 Highland Road Baton Rouge, LA 70817	Kimberly D. McDaniel, P.E., PTOE, PTP kimberly@itsanswers.com	225-751-9300
Buchart Horn, Inc.	18163 East Petroleum Drive Suite A Baton Rouge, LA 70809	Jimmy Dickerson jdickerson@bucharthorn.com	225-755-2120
T. Baker Smith, LLC	170 New Camellia Blvd. #100 Covington, LA 70433	TJ Stokes, PE tj.stokes@tbsmith.com	985-302-0728
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.

GEC

ENGINEERING THE FUTURE

8282 GOODWOOD BLVD.
BATON ROUGE, LOUISIANA

WWW.GECINC.COM

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