Statement of Qualifications

IDIQ CONTRACT FOR ROADWAY DESIGN SAFETY STATEWIDE

CONTRACT NOS. 4400026026

MARCH 16, 2023

SUBMITTED BY G.E.C., INC.

DOTD FORM: 24-102

(Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1.	Contract Name as shown in the advertisement	**IDIQ CONTRACT FOR ROADWAY DESIGN SAFETY STATEWIDE**
2.	Contract Number(s) as shown in the advertisement	4400026026
3.	State Project Number(s), if shown in the advertisement	N/A
4.	Prime consultant name (name must match 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	Cary Bourgeois, PE, Senior Vice President, (225) 612-4121, cbourgeois@gecinc.com
9.	Name, title, phone number, and email address of the official with signing authority for this proposal	Cary Bourgeois, PE, Senior Vice President, (225) 612-4121, cbourgeois@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 above shall be the same person listed in Section 9: March 16, 2023 Date:

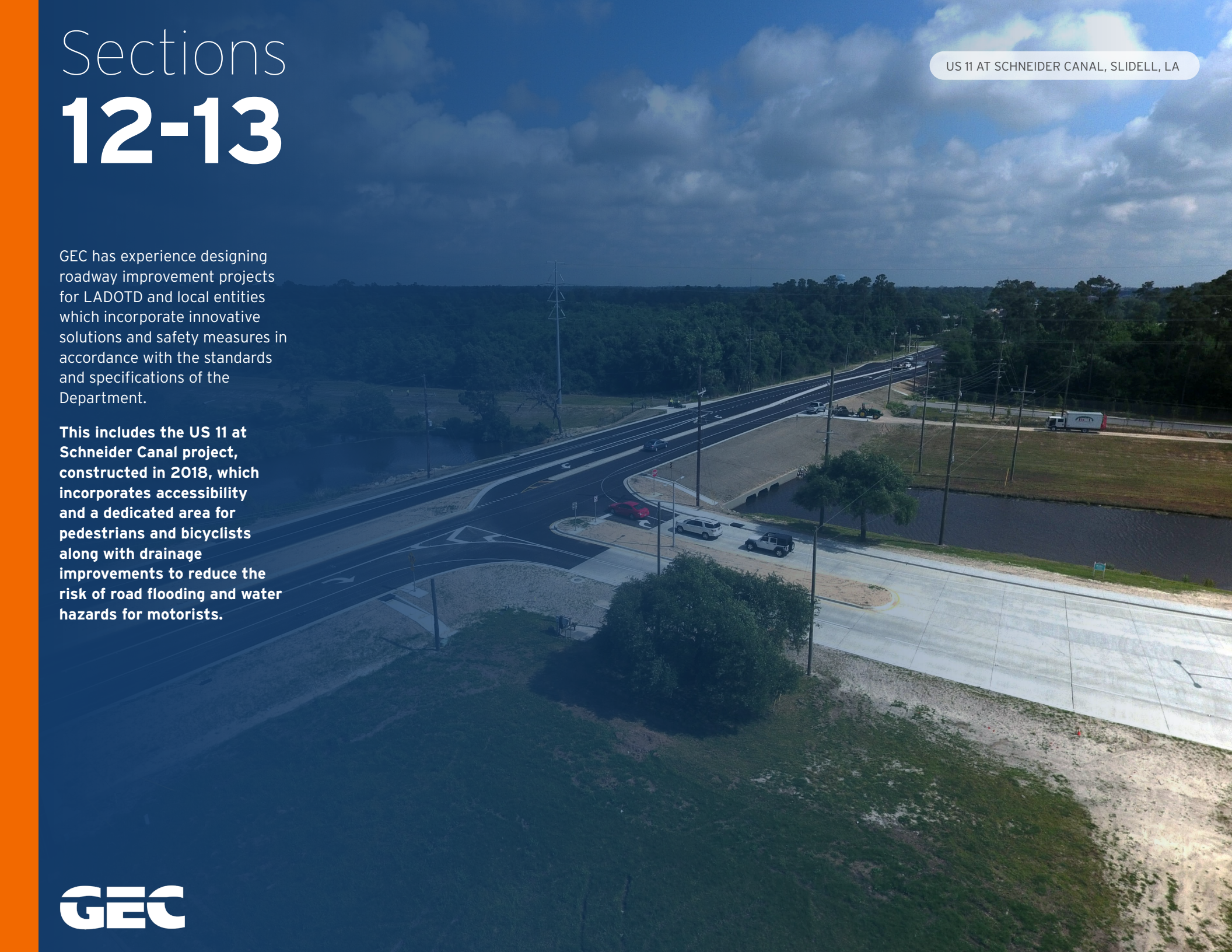
Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

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)' %
	Vectura Consulting Services, LLC	**19%**
	APS Engineering & Testing, LLC	**1%**

Sections 12-13

GEC has experience designing roadway improvement projects for LADOTD and local entities which incorporate innovative solutions and safety measures in accordance with the standards and specifications of the Department.

This includes the US 11 at Schneider Canal project, constructed in 2018, which incorporates accessibility and a dedicated area for pedestrians and bicyclists along with drainage improvements to reduce the risk of road flooding and water hazards for motorists.



US 11 AT SCHNEIDER CANAL, SLIDELL, LA

GEC

12. Past Performance Evaluation Discipline Table

Past Performance Evaluation Discipline	% of Overall Contract	G.E.C., Inc. (GEC) (**Prime**)	NTB Associates, Inc.	DBE FIRM Vectura Consulting Services, LLC	DBE FIRM APS Engineering & Testing, LLC	Each Discipline must total to 100%
Road	70.00%	85.00%	15.00%			100%
Survey	10.00%		100.00%			100%
Traffic	19.00%			100.00%		100%
Geotech	1.00%				100.00%	100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100.00%	59.500%	20.500%	19.000%	1.000%	100%

13. Firm Size

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
G.E.C., Inc.	Principal	3	3
	Engineer	5	7
	Supervisor-Engineer	5	8
	Engineer Intern	2	3
	Technician	1	1
	Inspector - Lead	3	8
	Inspector - Certified	3	5
	CADD-Operator	2	4
	CADD-Technician	1	2
Vectura Consulting Services, LLC	Supervisor	2	2
	Engineer	4	4
A P S	Engineer	5	5
	Driller	8	8
	Technician	12	12
NTB Associates, Inc.	Principal	1	1
	Engineer	0	1
	Surveyor	2	1
	Supervisor Other	1	2
	Senior Technician	0	1
	CADD Technician	1	5
	Technician	2	2
	CADD Drafter	1	4
	Party-Chief	7	17

Sections 14-17

The GEC Team, supported by NTBA, Vectura, and APS, includes licensed surveyors, engineers, and professionals experienced with completing preliminary and final plans for LADOTD road design projects.

Current GEC staff designed a retrofit of the Airline and Main St. corridor in LaPlace into a safer, more walkable, livable space while remaining consistent with LADOTD project guidelines.

For this project that is currently under construction, GEC completed final engineering plans and specifications in accordance with the LADOTD Roadway Design Procedures and Details Manual.

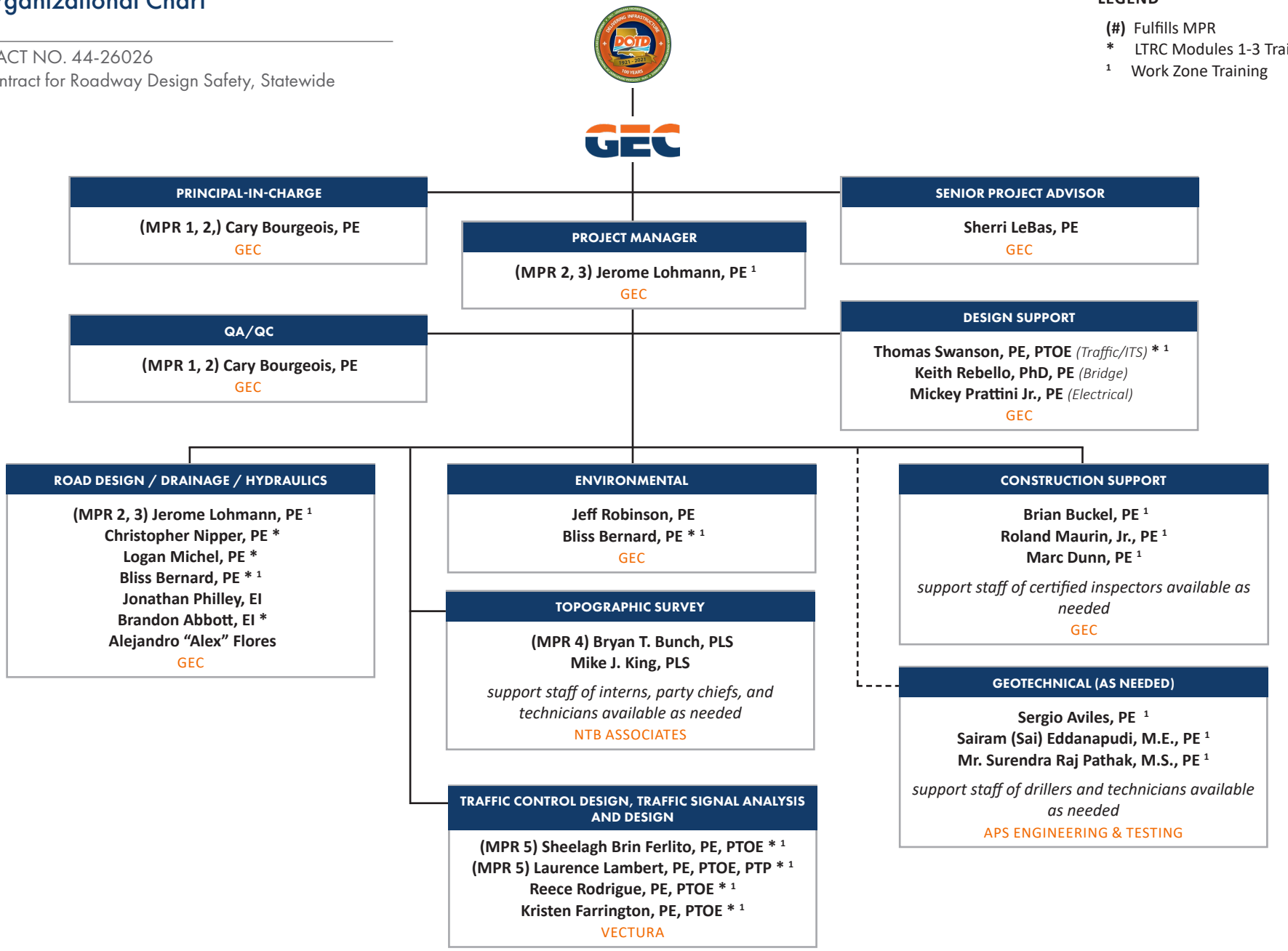
LASAFE AIRLINE AND MAIN COMPLETE STREETS, LAPLACE, LOUISIANA

14. Organizational Chart

CONTRACT NO. 44-26026
IDIQ Contract for Roadway Design Safety, Statewide

LEGEND

(#) Fulfills MPR
* LTRC Modules 1-3 Training
[1] Work Zone Training



15. Minimum Personnel Requirements

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Cary Bourgeois, PE	GEC	PE No. 23414 (Civil)	Louisiana	09/30/2023
2	Cary Bourgeois, PE	GEC	PE No. 23414 (Civil)	Louisiana	09/30/2023
2	Jerome Lohmann, PE	GEC	PE No. 24673 (Civil)	Louisiana	09/30/2024
3	Jerome Lohmann, PE	GEC	PE No. 24673 (Civil)	Louisiana	09/30/2024
4	Bryan T. Bunch, PLS	NTB Associates, Inc.	PLS No. 5014	Louisiana	03/31/2024
5	Sheelagh Brin Ferlito, PE, PTOE	VECTURA CONSULTING SERVICES, LLC	PE No. 25383 (Civil) PTOE No. 932	Louisiana	09/30/2023 09/09/2024
5	Laurence Lambert, PE, PTOE, PTP	VECTURA CONSULTING SERVICES, LLC	PE No. 29901 (Civil) PTOE No. 1303	Louisiana	03/31/2024 02/03/2025

16. Staff Experience

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 / 03-31-2025		
Year registered	1990	Discipline	Professional Engineer, Civil & Environmental
Contract role(s) / brief description of responsibilities	Role on this Project: **Senior Project Advisor**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***As a former LADOTD Secretary, Sherri provides guidance for all of GEC's LADOTD design projects.***	*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, Louisiana.** *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 noisewalls 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, Louisiana.** *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	**LADOTD: Baton Rouge, LA.** *Secretary* - Ms. LeBas set the vision & led LADOTD in the delivery of the $1.8 B annual transportation infrastructure capital & operating program. She developed & discussed transportation policy, issues, feedback, future planning with stakeholders, media, citizens & local, state & national public & elected officials. She pursued & obtained funding working with state & 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; D-B projects on I-12 in Livingston Parish; & two D-B Interchange projects on US 90 (Future I-49).

Firm employed by	**G.E.C., Inc.**
Name	**Sherri LeBas, PE** *Continued Resume*
05/05 – 03/10	**LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (LADOTD): Baton Rouge, LA.** *Change Management Facilitator (1 year); Assistant to the Secretary of Policy (2 years); Deputy Secretary (2 years)* - Ms. LeBas was a facilitator on the Change Management Team which today is referred to as Quality Continuous Improvement (QCIP). She facilitated teams consisting of LADOTD staff, consultants and other stakeholders for utility relocations, project Management and consultant services. As Assistant Secretary for Policy, Ms. LeBas worked with staff and the Secretary to **develop the $1.2 Billion list of roadway projects that were funded** with State surplus dollars in 2007, 2008 and 2009. She served as the program manager for this $1.2 Billion surplus program, scheduling projects, managing the budget and working through issues in order to get the program delivered on time and within budget. As Deputy Secretary, Ms. LeBas served as the program manager for the $430 million American Recovery and Reinvestment Act (ARRA) working with LADOTD staff to deliver the projects within the federally set deadlines of 50% of the funding obligated within 6 months and the remainder within a year.
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.
01/98 – 09/03	**STATE OF LOUISIANA NON-STATE ENTITY CAPITAL OUTLAY PROGRAM: Statewide, LA.** *Program Manager* - Ms. LeBas served as Program Manager at the Division of Administration (DOA)/Facility Planning & Control (FP&C) for the non-state projects that receive funding through the State of Louisiana. She was responsible for the development of the Cooperative Endeavor Agreement between the State and the local entity, working with local entities in the delivery of projects in accordance with State guidelines, cash flow from inception through construction. At any one time 75 to 100 active projects were in production including but not limited to waterlines, sewer lines, pump stations, roadways, livestock arenas, renovation of theaters, park roadways and amenities and port facilities.
09/95 – 05/97	**ESTHERWOOD CANAL BRIDGE, LA 1124 (STATE PROJECT NUMBER 801-22-0007): Acadia Parish, LA.** *Project Design Supervisor LADOTD Road Design Section* - Ms. LeBas served as the **road design engineer supervisor** for the in-house design of the project. The design included all design aspects of a bridge replacement project including drainage, typical sections, horizontal and vertical alignment, cross sections, quantity calculations, summary of estimated quantities in accordance with LADOTD standard specifications.
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 within the corridor to discuss driveway access, modifications, and concerns.

Firm employed by	G.E.C., Inc.		
Name	**Cary Bourgeois, PE**	Years of relevant experience with this employer	38
Title	Senior Vice President	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	B.S. / 1983 / Civil Engineering		
Active registration number / state / expiration date	23414 / Louisiana / 09-30-2023		
Year registered 1989	Discipline: 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 years of experience specified in the applicable MPR(s).
 **As Senior VP of Engineering, Cary provides design guidance on all engineering projects.**	*Mr. Bourgeois is GEC's Senior Vice President involved in supervising activities and performing design services on several large-scale projects. Mr. Bourgeois has more than 36 years of experience in the areas of Roadway, Bridge, Toll Collection Systems, and Intelligent Transportation Systems (ITS) design along with extensive experience in safety inspection of bridges. He has valuable experience in the design and geometry associated with roadways and bridge structures. He is thoroughly familiar with AASHTO Policy on Geometric Design of Highways and Streets, AASHTO Standard Specifications for Highway Bridges, Manual on Uniform Traffic Control Devices, the Highway Capacity Manual and the Standard Specifications for Structural Support for Highway Signs, Luminaries and Traffic Signals. He has provided ITS deployment and implementation planning, field device optimum positioning and placement, civil/structural engineering, and plan and specification development. As Principal-in-Charge, he has managed design and development, and supervision of plans and specifications, as well as general construction engineering and inspection.*
06/17-12/21	**H.003074, I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Principal-in-Charge/QA/QC* - Mr. Bourgeois oversaw road design in accordance with **LADOTD's Roadway Design Procedures and Details Manual**, along with the 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, allowed LADOTD to make an informed decision on widen or replace the existing bridges. The data supported the replacement of the bridges. GEC designed concrete slab spans, pre-stressed concrete girder spans and steel girder spans. All pre-stressed girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specs.
2019-Present **SECTION 17 PROJECT**	**LASAFE AIRLINE AND MAIN COMPLETE STREETS: Laplace, LA.** *Principal-in-Charge/QA/QC* - Mr. Bourgeois oversaw the project desugbed in accordance with **LADOTD's Roadway Design Procedures and Details Manual**. Design consists of a 10' and 5' sidewalk along the north side of US 61 **for improved accessibility and mobility and curb bump outs to reduce the crosswalk distances and eliminate parking within the vicinity of the crosswalks to improve sight distance of pedestrians at the crossings.** 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. GEC also provided design and illumination of the shared use path along LA 44 that connects to Main St. (LA 44). This includes **additional illumination design for improved safety and visibility for visitors of the neighboring park**.
09/20-Present **SECTION 17 PROJECT**	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Principal-in-Charge* - Mr. Bourgeois is overseeing design of a six-lane, curb and gutter roadway with subsurface drainage, bridge replacement, green infrastructure, **extended turn lanes, upgraded signage, signal improvements, highly visible lane markings, protected merge and turn lanes, rumble strips, and pedestrian facilities**. GEC's design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Mr. Bourgeois supervised a study of the existing bridge over Dawson Creek. Based on the load rating, GEC recommended that the existing bridge be replaced and feature he pedestrian facilities with **barriers to separate pedestrians/ bicyclists from vehicular traffic**. This project included a level 2 TMP.
10/19-11/20	**I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA.** *Principal-in-Charge* - The project included the replacement of two slab span bridges, approach roadways, mill and overlay, and drainage. Mr. Bourgeois was Principal-in-Charge and oversaw the design phase of the project.

Firm employed by	G.E.C., Inc.
Name	**Cary Bourgeois, PE** *Continued Resume*
04/19-12/21	**H.013542 / CHEVELLE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: Baton Rouge, LA.** *Principal-in-Charge* - GEC performed a Design Study, including hydraulics, environmental, and geotechnical considerations, overseeing topographic survey and Right-of-Way (ROW) Mapping as required; developing preliminary and final construction plans and cost estimates. GEC will oversee construction phase services and preparation of an as-designed load rating for the bridge according to LADOTD criteria. The project includes 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, both located in Baton Rouge, LA.
03/95-06/10	**450-15-0089 / ROUTE I-10, CAUSEWAY BLVD TO 17TH STREET CANAL: Metairie, LA.** *Project Manager/Engineer*-of-Record/Structural Engineer - Mr. Bourgeois performed Quality Assurance and project management on this project. He specifically acted as QA for all disciplines involved including surveying, structures/bridge design, electrical & controls design and civil engineering design. Project consisted of widening while under traffic of 1.64 miles of urban interstate highway from six to 10 lanes with roadway and bridges. He performed PPC girder layout and design and performed the design check of a two-span (425' total length) continuous steel girder with integral steel intermediate bent.
02/19-Present	**MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA.** *Principal in Charge* - GEC is preparing plans, specifications, and estimates for the removal and replacement of an existing asphalt and concrete pavement and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. Mr. Bourgeois oversees GEC's design services as principal in charge.
1991-1997	**ROUTE I-12, I-10 FROM ACADIAN THRUWAY TO U.S. 61 (S.P. NO. 700-28-0004): Baton Rouge, LA.** *Project Manager* - This project consisted of the rebuilding and widening while under traffic of 2.2 miles of urban interstate highway with roadway and bridges. The bridges consist of AASHTO pre-stressed concrete girders (50' to 90' spans) and steel plate girders (135' to 180' spans). The project also required bridge feasibility and drainage studies.
03/91-Present	**GNOEC LAKE PONTCHARTRAIN CAUSEWAY, CONSULTING ENGINEER: St Tammany and Jefferson Parishes, LA.** *Principal-in-Charge* - GEC has served as Consulting Engineer for GNOEC since 1991 performing Trust Indenture Services in accordance with the GNOEC General Bond Resolution. Mr. Bourgeois has been associated with the project since the selection of GEC as Consulting Engineer and has served as Project Manager for over 10 years. In this time GEC has designed and implemented over $200,000,000 in improvements to the GNOEC system. Our responsibilities have included: recommendations for operations and maintenance of Lake Pontchartrain Causeway, review of the operating budget, emergency response, inspection and reporting, annual physical condition inspection in accordance with National Bridge Inspection Standards, planning and scheduling of future GNOEC repair and improvement projects, review of Toll Plaza configurations and toll system operation, preparation of construction contract plans, specifications and estimates for various repair and improvement projects, and construction inspection and shop drawing review. The Legacy Toll Collection System was installed in 1994 under GNOEC Project I & IIC – North Shore Toll Plaza Improvements. The 1994 Legacy Toll Collection System expanded the North Toll Plaza from 3 lanes to 4 lanes and replaced all Automatic Vehicle Classification (AVC) & Automatic Vehicle Identification (AVI) equipment, installed a new toll booth in lane 4, retrofitted the original toll booths in lanes 1-3 and installed Weigh-In-Motion in lanes 1 & 2. In addition to the original design and installation GEC and Mr. Bourgeois has been involved in the operations and maintenance of the Legacy Toll Collection System and planning for its soon to be completed replacement.
07/09-06/12	**U.S. ARMY CORPS OF ENGINEERS, LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY, HURRICANE PROTECTION PROJECT LPV 17.2, BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE: Metairie, LA.** *Overall Project Manager* - This project was located in Jefferson Parish, Louisiana and was part of the Lake Pontchartrain and Vicinity, New Orleans, Louisiana, Hurricane Protection Project. This reach consisted of levees, floodwalls, crib walls, Causeway Boulevard and other miscellaneous access points. The designs were intended to bring the hurricane protection to the Phase II 100-year level. The professional services required of GEC included detailed engineering and design (E&D), preparation of a Design Report (DR), preparation of plans and specifications (P&S), and E&D support during advertisement.
1997-2012	**ROUTE I-12, ESSEN LANE INTERCHANGE (S.P. NO. 454-01-0051 AND 258-32-0016): Baton Rouge, LA.** *Project Manager* - This project consists of the installation of on and off ramps to complete the I 12/Essen Lane Interchange. The off ramp consists of a 1,200' long eight-span bridge with continuous curved steel girder units. The project would also involve the construction of sound barriers.

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: **Project Manager, Road Design**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***Jerome has dedicated his 38 year career to the preparation, development, and management of LADOTD and municipal roadway projects throughout Louisiana***	*Mr. Lohmann has served as Project Manager/Design Engineer responsible for the design and management of projects ranging from off-system bridge replacements or entity overlays to interstate widening and major interchanges. Mr. Lohmann has completed and/or managed preliminary plans and cost estimates for the design and development of construction plans for roadway improvement projects, including providing hydraulic analysis and design of drainage features on roadway construction projects in accordance with the current edition of DOTD's Hydraulics Manual. He has experience with reviewing existing data, as-built plans, improvement studies, boring information, traffic data, and field reconnaissance. He has experience designing plans in accordance with the latest Louisiana Standard Specifications for Highways and Bridges and in the current editions of DOTD's Roadway Design Procedures and Details Manual, Bridge Design Manual, Hydraulics Manual, EDSM I.1.1.11, Guidance for PRR Projects, 3R Minimum Design Guidelines and DOTD Pavement PRR Minimum Design Guidelines, and DOTD Minimum Design Guidelines. This includes the LASAFE Airline and Main Street project, currently under construction, which utilized the LADOTD Roadway Design Procedures and Details Manual. In addition, he is currently managing 90% final design plans for the I-10 Williams to Veterans project utilizing LADOTD Design Procedures and Details. Mr. Lohmann reviews Design Reports, Design Exceptions, and Design Waivers as needed for road design projects. He has also developed Level 2 Transportation Management Plans for roadway construction projects after a stage 0 has been completed. He will apply this vast knowledge to the management of task orders as needed on this IDIQ contract as Project Manager/Design Engineer, supported by a team of engineers, engineer interns, CADD technicians, and administrative staff.* ***Mr. Lohmann served as Project Manager or Design Engineer on all five GEC projects included in Section 17 of this response.***
09/20-Present **SECTION 17 PROJECT**	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Project Manager* - Mr. Lohmann is Project Manager, overseeing design of a six-lane, curb and gutter roadway with subsurface drainage, bridge replacement, green infrastructure, **extended turn lanes, upgraded signage, signal improvements, highly visible lane markings, protected merge and turn lanes, rumble strips, and pedestrian facilities**. GEC's design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Mr. Lohmann supervised a study of the existing bridge over Dawson Creek . Based on the load rating, GEC recommended that the existing bridge be replaced and feature he pedestrian facilities with **barriers to separate pedestrians/bicyclists from vehicular traffic**. This project included a level 2 TMP.
11/15-Present	**H.003074 / I-10 WIDENING, WILLIAMS BLVD. TO VETERANS BLVD.: Jefferson Parish, LA.** *Project Manager* - GEC is currently designing the widening of I-10 between Williams Boulevard and Veterans Boulevard interchanges in Jefferson Parish. Mr. Lohmann is currently managing **final design plans which are over 90% complete in accordance with DOTD's Roadway Design Procedures and Details Manual**. 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. Included in the project is the replacement and widening of the bridges over Canal No. 3 and Veterans Blvd. Sound Barriers, both ground-mounted and structure-mounted on the north side of I-10, form part of this project. 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. Mr. Lohmann provided design in the preliminary plans phase and design review of the roadway during the final plans phase. This project included a level 2 Transportation Management Plan (TMP).
12/21-Present **SECTION 17 PROJECT**	**SHARP ROAD: Mandeville, LA.** *Project Manager* - Mr. Lohmann is managing the preparation of preliminary and final construction plans for roadway improvements, subsurface drainage installation, and sidewalk construction. Design increases safety for this heavily trafficked roadway by **improving pavement conditions and drainage, along with providing a safe place for pedestrians and bicyclists**.

Firm employed by	G.E.C., Inc.
Name	**Jerome Lohmann, PE** *Continued Resume*

09/19-present **SECTION 17 PROJECT**	**LASAFE-AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Project Manager* - Mr. Lohmann managed the development of typical sections and preliminary layout for the project in accordance with **LADOTD's Roadway Design Procedures and Details Manual**, which consists of a 10' and 5' sidewalk along the north side of US 61 **for improved accessibility and mobility and curb bump outs to reduce the crosswalk distances and eliminate parking within the vicinity of the crosswalks to improve sight distance of pedestrians at the crossings.** 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. The project is currently under construction.
11/15-08/16 **SECTION 17 PROJECT**	**H.011435 / US 11 IMPROVEMENTS AT SCHNEIDER CANAL: Slidell, LA.** *Project Manager* - The project elevated US 11 at the levee so that ongoing construction of the levee (in separate projects by the Parish) could continue beyond this point without a break in flood protection at the highway. The road section is a divided two-lane raised median with full-width shoulders and curb & gutter drainage to **reduce the risk of road flooding and water hazards for motorists. Safety modifications include signage and striping improvements and intersection safety modifications**. The highway remained on-grade on embankment and was raised approximately 10 feet at the levee. Approximately 2,300 feet of the highway was affected. GEC accomplished all aspects of design with its own in-house personnel, excluding geotechnical services. GEC completed the construction plans for this project in the summer of 2016. It incorporates an improved curbed road section including a raised median and a bike path. This project was the first project ever designed with LADOTD specifications that included a levee. Mr. Lohmann designed approximately 2,700' of divided two lane and multi-lane roadway to raise the roadway over the levee on Schneider Canal. This project included a level 2 Transportation Management Plan (TMP).
02/19-Present	**MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA.** *Project Manager* - GEC is preparing plans, specifications, and estimates for the **removal and replacement of an existing asphalt and concrete pavement** and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. As PM, Mr. Lohmann has provided contract management, assists with design reviews, and performed fee negotiation.
02/17-10/17 **SECTION 17 PROJECT**	**H.008046 LA 3152: CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Project Manager* - This project involved the milling and overlaying of LA 3152 and **new pavement marking and signage**. Along with the milling and overlaying, turns lanes were being added, extended, etc., so new pavement sections were designed. Responsibilities included Scope, Fee project management and QA/QC associated with this project.
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 EA through final plans**. On 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. This project included a level 2 TMP.
2002-2013	**700-99-0266 / TIMED PROGRAM PROJECT MANAGEMENT: Statewide, LA.** *Design Segment Manager* - Mr. Lohmann was responsible for **taking over 8 LADOTD TIMED projects at different stages of completion and coordinated all preconstruction activities through letting**. His duties included overseeing the Contract Design Consultant (CDC), justifying contract changes, **design review**, managing plan in hand inspections, **ensuring that the CDC used current DOTD Standards and Standard Plans and pay items** and resolving day to day problems, along with budgeting.
08/01-05/02	**258-33-0001 / BLUEBONNET BOULEVARD EXTENSION (NICHOLSON DR. TO BURBANK DR.): Baton Rouge, LA.** *Project Manager* - Mr. Lohmann completed preliminary plans for the **widening of Bluebonnet Blvd.** to a 4- and 5-lane urban section for approximately 2.5 miles. He was responsible for project administration and management, coordination of subconsultants, and Quality Control design. This project included a **level 2 TMP**.

Firm employed by	**G.E.C., Inc.**		
Name	**Christopher Nipper, PE**	Years of relevant experience with this employer	6
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: **Road Design, Drainage**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***Chris has more than 7 years of experience with LADOTD standards and specifications for road design projects.***	*Mr. Nipper has 7 years of experience providing preliminary plans and cost estimates for the design and development of construction plans for roadway improvement projects. The first two years of his career were spent as a Road Design Engineer for LADOTD, affording him knowledge of LADOTD standards and guidelines required for roadway projects. He has experience with preliminary plans for roadway projects in accordance with Louisiana Standard Specifications for Highways and Bridges and DOTD's Roadway Design Procedures and Details Manual. This includes current experience with the I-10 Williams to Veterans project which is in the 90% final plans stage and the St. John the Baptist LASAFE Airline and Main Complete Streets project which utilized the LADOTD Roadway Design Procedures and Details Manual and is currently under construction. He has designed projects requiring milling and overlay in accordance with 23 CFR 625, Design Standards for Highways and the current DOTD Design Guidelines for Preservation Projects, EDSM I.1.1.11, Guidance for PRR Projects, and DOTD Pavement PRR Minimum Design Guidelines. Mr. Nipper provides hydraulic analysis and design of drainage features for roadway construction projects in accordance with the current edition of DOTD's Hydraulics Manual. He is also very familiar with AASHTO standards and guidelines and has developed Level 2 Transportation Management Plans for roadway construction projects. 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.*
09/20-Present **SECTION 17 PROJECT**	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Road Design Engineer* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction, a 10-ft. wide shared use path on the west side, a 5-ft. wide sidewalk on the east side, **painted bike lanes, roadway markings, flashing beacons, bus stops, refuge islands, roadway warning lights, high visibility crosswalks, and planting buffers for improved pedestrian safety, accessibility, and mobility to area facilities**. 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 and computed the curve number and associated flow through Dawson Creek.
09/19-Present **SECTION 17 PROJECT**	**LASAFE 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 will accommodate pedestrians and bicyclists to **improve accessibility and mobility, along with curb bump outs to reduce the crosswalk distances and eliminate parking within the vicinity of the crosswalks to improve sight distance of pedestrians at the crossings.** 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. The **reduced travel lane widths**, replacing the shoulder with a bike lane, and constructing parallel parking, curbing, sidewalks, and landscaping helped to **provide a traffic calming effect to keep vehicle speeds lower**. 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, currently under construction, **utilized the LADOTD Roadway Design Procedures and Details Manual.**
06/17-Present	**H.003074, I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Road Design* - Project included the design of 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 bridge bents and girders. He is assisting with **final plans in accordance with LADOTD's Roadway Design Procedures and Details Manual** which are more than 90% complete.

Firm employed by	G.E.C., Inc.
Name	**Christopher Nipper, PE** *Continued Resume*
02/20-Present	**H.013897, I-10 & I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Roadway Design* - Mr. Nipper is Roadway Designer for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build Project. **Design is in accordance with Louisiana Standard Specifications for Highways and Bridges and LADOTD's Roadway Design Procedures and Details Manual.**
02/19-07/20	**ST. TAMMANY PARISH GOVERNMENT, I-10 SERVICE ROAD BRIDGE REPLACEMENTS: St Tammany Parish, LA.** *Road Design Engineer*- The project included the replacement of two 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 and calculated all of the quantities and estimated the construction cost for the project.
2017 **SECTION 17 PROJECT**	**LA 3152, CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Designer* - This project involved the milling and overlaying of LA 3152 and **new pavement marking and signage**. 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.
06/22-Present **SECTION 17 PROJECT**	**SHARP RD.: Mandeville, LA.** *Road Design Engineer* - This project involved the design of subsurface drainage systems, and the replacement of existing cross drains to **increase safety for this heavily trafficked roadway by improving pavement conditions and drainage, along with providing a safe place for pedestrians and bicyclists**. The existing cross drains were analyzed and upgraded accordingly to handle the 50-year design storm in that region. The project also involved the reconstruction of the roadway and roadside ditches, while staying within the existing right-of-way, and the construction of a pedestrian walkway. Mr. Nipper was responsible for the entire design for the project, including **standard safety features, including rumble strips, visible lane markings, shoulder wedge, guardrails, and safety end treatments**, along with delineating drainage areas for multiple cross drains, and many subsurface systems, and determining the sizes and placement for these new drainage structures. Mr. Nipper **developed the construction plans** for the project, and also calculated the quantities required for construction.
04/19-05/20	**H.013542 / 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 the horizontal and vertical alignments, calculated the quantities, and prepared the cost estimate for both bridge sites. He also performed a **hydraulic analysis and prepared a hydraulics report** for each bridge.
09/19-Present	**WEST TAMMANY HILLS DRAINAGE: Covington, LA.** *Project Engineer* - Mr. Nipper has assisted in the delineation of **drainage maps and hydraulic calculations**. He was involved in the design of the subsurface drainage systems and the roadway rehabilitation design. He also assisted in the development of the construction plans and associated quantities.
06/20-10/20	**US HWY 190 DRAINAGE CROSSING: Livingston Parish, LA.** *Road Design Engineer* - This project involved the design of a concrete box culvert cross drain. This cross drain was being added alongside an existing box culvert in order to assist with drainage to alleviate backwater flooding. Mr. Nipper calculated the quantities and developed the construction plan documents. Mr. Nipper also assisted in the **drainage analysis** and design of the concrete box culvert.
2018	**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.
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 11' 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. He calculated the quantities & estimated costs associated with the road & drainage systems.

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: **Road Design**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***Logan has 7 years of experience with road design for DOTD projects***	*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. He has experience developing Level 1 & 2 Transportation Management Plans for roadway construction projects and is familiar with the current editions of LADOTD's Louisiana Standard Specifications for Roads and Bridges, DOTD's Roadway Design Procedures and Details Manual, DOTD's Minimum Design Guidelines , Roadside Design Guide, and Hydraulics Manual.*
08/22-Present	**MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA.** *Project Engineer* - GEC is preparing plans, specifications, and estimates for the **removal and replacement of an existing asphalt and concrete pavement** and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. Mr. Michel is providing project design services.
08/22-Present	**H.003074, I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Road Design* - Project included the design of the addition of a lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane. Mr. Michel is reviewing GEC's **final plans** which are more than 90% complete in **accordance with LADOTD's Roadway Design Procedures and Details Manual**.
10/18-10/21	**H.010815.6 / LA 124 EXTENSION (SEGMENT 1): Catahoula Parish, LA.** *Project Engineer* - This 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 LADOTD's Minimum Design Guidelines and Roadside Design Guide,** hydraulic analysis, geometric design, drainage design for multiple culvert locations (RCB culverts & cross drains), cost analysis and estimation.
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 roadway aspects including plan preparation and production; design of vertical alignment and superelevation based on **LADOTD's Minimum Design Guidelines and Roadside Design Guide**, 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 based on **LADOTD's Minimum Design Guidelines and Roadside Design Guide**; ramp and overlay design; superelevation design; urban drainage design; signage and detour layout; and cost estimation.

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 / 03-31-2025		
Year registered 2018	Discipline	Professional Engineer, Civil	
Contract role(s) / brief description of responsibilities	Role on this Project: **Road Design, Drainge, Environmental Coordination**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***Bliss served as the PM for the Louisiana SHSP***	*Mrs. Bernard is a licensed Professional Engineer, experienced with a range of engineering projects including roadway design, environmental planning, water resources coastal/habitat restoration, and traffic and safety engineering. She has extensive knowledge of NEPA regulations and has served as the Project Manager on several Environmental Assessments and Environmental Impact Statements and has assisted in processing numerous environmental permits and documents for local, state, and federal agencies. Mrs. Bernard served as the Project Manager for the Louisiana Strategic Highway Safety Plan and was actively involved in statewide, regional, and local coalitions in establishing plans to improve safety to ultimately reach Destination Zero Deaths. Mrs. Bernard is proficient in ArcGIS, Microstation, HEC-RAS, HEC-HMS, LADOTD's HYDRWIN, and has completed the ATSSA TCT, TCS, and Certified Flagger training courses, NHI Course NEPA & the Transportation Decision-Making Process, the LADOTD Highway Safety Manual Course, and the LADOTD Traffic Engineering Process and Report Training Modules 1, 2, and 3.*
06/14-05/20	**H.972169.1 (4400005388) AND 4400002481. LOUISIANA DOTD SHSP IMPLEMENTATION: Statewide.** *Project Manager*- The SHSP is data driven and includes proven strategies for reducing traffic fatalities and injuries on Louisiana roadways. Ms. Bernard served as the Project Manager and provided technical assistance to the SHSP, facilitated breakout sessions, and prepared meeting documents at regional coalition meetings, statewide emphasis area team meetings, and implementation team meetings. She assisted LADOTD in providing onsite and remote technical assistance for other road user programs/projects, including bicyclist, pedestrians, transit, drivers, and other users and programs. Ms. Bernard assisted with developing detailed action plans for each emphasis area in the SHSP, assisting emphasis area teams and regional safety coalitions in developing new strategies, coordinating the statewide action plans with the regional safety coalition action plans, providing emphasis area team and regional safety coalitions with support as needed, maintaining the overall SHSP public and partner involvement process, refining the SHSP project selection process, and various other tasks in establishing an SHSP for the State of Louisiana.
02/18-12/21	**H.006459 / RODDY /CHURCHPOINT RD ROUNDABOUT: Ascension Parish, LA.** *Project Manager* - Mrs. Bernard was Project Manager on this project re-design. Due to funding restrictions, the project was not constructed in a timely manner, and the Parish issued the prime consultant with the project in 2018 to update the original submittals in accordance with updated LADOTD standards. The project was needed to improve safety at the intersection of Roddy Road/Churchpoint Road in Ascension Parish. She directed survey crews and traffic data collection crews in updating existing topographic survey and traffic data to update outdated information. Using this information, she developed an **updated intersection study report and environmental categorical exclusion report**. She assisted in updating all other prior plan documents in accordance with new LADOTD standards including geotechnical and pavement design, engineering plans, drainage plans, right-of-way maps, and all other bid and construction documents.
01/16-04/17	**H.011014 / LA 3002: U-TURN: Denham Springs, LA.** *Project Manager*- Mrs. Bernard served as the Project Manager and assisted with the preliminary and final plans for the proposed LA 3002 U-Turn in Denham Springs, Louisiana. This project provides for the construction of a U-Turn between North Range Road and South Range Road (LA 3002), subsurface drainage, and roadway striping modifications. She developed the environmental categorical exclusion, preliminary and final design plans, which included the design of a new roadway, widening existing roadways, intersection improvements, signage and striping, and subsurface drainage. She developed final plan documents, which included title sheet, typical sections, plan and profile sheets, drainage plan and profile sheets, quantities, geometric layout, detail sheets, cross sections, and completed a subsurface drainage analysis using LADOTD's HYDRWIN program.

Firm employed by	G.E.C., Inc.
Name	**Bliss Bernard, PE** *Continued Resume*
01/20-12/21	**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 responsible for managing and providing all **engineering, environmental, and planning services required to determine necessary improvements along the corridor.** The purpose of the project was to improve operations and safety along LA 37. Safety improvements were intended to reduce both the number and severity of crashes, and operational improvements included alternatives to increase capacity, reduce traffic delays, and improve the overall level of service in an effort to move people and goods more efficiently. The most common and severe overrepresented crash types was non-collision roadway departures and lack of paved shoulders, substandard roadside ditch slopes, objects within the clear zone, poor lighting, and insufficient pedestrian facilities all contributed to the number and severity of crashes. Mrs. Bernard managed the overall project and was responsible for establishing design criteria in accordance with LADOTD and overseeing concept development and evaluation for roadway alternatives to improve both safety and operations. She served as the engineer-of-record, preparing the Stage 0 Feasibility Study & Environmental Inventory to examine feasibility of improving mobility and operations. She evaluated alternatives and presented findings to LADOTD to select 3 preferred alternatives for 3 segments along LA 37. Upon completion of alternatives traffic study, she was responsible for environmental documentation and developed final signed and sealed Stage 0 Feasibility Report including Stage 0 Checklist, Environmental Checklist, roadway engineering plans, and opinion of probable cost.
05/17-05/20	**H.001271 / CANE RIVER BRIDGE CHURCH STREET ENVIRONMENTAL ASSESSMENT: Natchitoches Parish, LA.** *Project Manager* - Mrs. Bernard served as the project manager and she provided planning, public outreach, & engineering & environmental services necessary to gauge public support & document information necessary for LADOTD and FHWA to reach an environmental decision as required by NEPA. **The purpose of the project was to address structural and functional deficiencies and improve safety along the Cane River Bridge and adjacent intersections. She developed concepts to improve safety including addressing the non-standard intersection configuration, reduced queuing, dedicated pedestrian facilities, improved signage and striping, and turn-lanes.** She analyzed project impacts by coordinating and assisting in developing various technical studies, including traffic and safety studies, line & grade study, GIS mapping, wetland delineation & threatened and endangered species study, phase 1 EA, air & noise impact studies, and cultural resources surveys. She directed all activities for numerous stakeholder meetings, public meetings, and public hearings. Through the compilation of all studies required by NEPA and public/agency involvement, she developed the Final EA and FONSI, which were approved by FHWA and LADOTD. She developed and received approval on the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in the State of Louisiana.
06/19-09/20	**STAGE 0 FEASIBILITY STUDY OF MODERN ROUNDABOUTS: Lafayette Parish, LA.** *Engineer*- The project entailed developing Stage 0 Feasibility Studies for 30 conceptual roundabout locations throughout Lafayette Parish for the Acadiana Metropolitan Planning Organization. Mrs. Bernard served as an engineer, and was responsible for data collection, feasibility studies, **environmental inventory, and conceptual design of numerous roundabouts in accordance with LADOTD standards, to improve safety at intersections**. She also managed the traffic sub-consultant, ensuring quality control of all submittals.
02/15-01/19	**H.010723 NORTH BOULEVARD PROMENADE & H.009783 BATON ROUGE GREENWAY: East Baton Rouge, LA.** *Project Manager*- The BR Greenway is a part of an interconnected network of bike/pedestrian pathways that links inner city neighborhoods and expands to downtown parks, businesses, & cultural attractions, utilizing the existing BREC parks, interstate infrastructure, & public rights-of-way. Mrs. Bernard served as the Project Manager and lead engineer to construct a multi-use path, bike lanes, intersection improvements, sidewalks, and median design along the median of North Boulevard from 5th Street to East Boulevard and along East Boulevard to the intersection with the I-10/I-110 interchange. Mrs. Bernard made initial site visits and coordinated with the survey team to assess existing conditions, pathway dimensions, and utility layout. She assisted with the design of the North Boulevard Promenade and the Baton Rouge Greenway in Downtown Baton Rouge, which established a multi-use path within the existing boulevard, created a secondary path as a different way to experience the trees and gardens, and provided safe crossings for bicycle and pedestrian traffic. The design of the multi-use path required Mrs. Bernard to develop typical sections, grading plans, signage and striping layout, geometric layout, demolition layout, and other engineering plans and specifications. Mrs. Bernard was also tasked with developing preliminary and final cost estimates, construction documents, coordination with sub-consultants, and packaging for submittal to LADOTD. **Mrs. Bernard was responsible for the engineer's opinion of probable cost, which was highly accurate as the construction bid came in at 1.9% below the engineer's estimate.**

Firm employed by	**G.E.C., Inc.**		
Name	**Jonathan Philley, EI**	Years of relevant experience with this employer	2
Title	Road Design	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	B.S. / 2019 / Civil Engineering		
Active registration number / state / expiration date	34937 / Louisiana / 03-31-2024		
Year registered 2022	Discipline: Engineer Intern		
Contract role(s) / brief description of responsibilities	Role on this Project: **Road Design**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***Jonathan has 4 years of road design experience***	*Mr. Philley has 4 years of experience with many projects, including roadway widening and realignment. In addition, he has designed drainage systems and milling and overlay. As engineer intern in GEC's Roadway Division, Mr. Philley assists in the preparation of preliminary plans and cost estimates for the design and development of construction plans for roadway improvement projects. He has experience with providing hydraulic analysis and design of drainage features on roadway construction projects in accordance with the current edition of DOTD's Hydraulics Manual, the Louisiana Standard Specifications for Highways and Bridges, and LADOTD's Roadway Design Procedures and Details Manual. He is also very familiar with AASHTO standards and guidelines, EDSM I.1.1.11, Guidance for PRR Projects, 3R Minimum Design Guidelines, DOTD Pavement PRR Minimum Design Guidelines, DOTD Minimum Design Guidelines, 23 CFR 625, Design Standards for Highways and the current DOTD Design Guidelines for Preservation Projects.*
04/21-Present **SECTION 17 PROJECT**	**LASAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Engineer Intern* - 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 for **improved accessibility and mobility, along with curb bump outs to reduce the crosswalk distances and eliminate parking within the vicinity of the crosswalks to improve sight distance of pedestrians at the crossings.** 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. Philley provided design assistance for the project, currently under construction, which **utilized the LADOTD Roadway Design Procedures and Details Manual**.
04/21-Present **SECTION 17 PROJECT**	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Engineer Intern* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction, a 10-ft. wide shared use path on the west side, a 5-ft. wide sidewalk on the east side, **painted bike lanes, roadway markings, flashing beacons, bus stops, refuge islands, roadway warning lights, high visibility crosswalks, and planting buffers for improved pedestrian safety, accessibility, and mobility to area facilities..** The project includes replacement of existing bridges at Dawson Creek. Mr. Philley is providing design assistance for the project and calculating quantities for storm sewer design. (City-Parish Project No. 19-CP-HC-0034)
04/21-Present	**WEST ST. TAMMANY HILLS DRAINAGE: St Tammany Parish, LA.** *Designer* - This project involved **milling and overlaying** of the existing road, replacing the existing surface drainage system to bring it up to current standards. This project required the analysis of the local drainage areas. Using the collected data from the drainage areas a subsurface drainage system was designed. Quantities for the milling/overlaying and the drainage system were computed. The drainage system was designed according to the **current LADOTD standards and guidelines** (LADOTD Roadway Design Procedures and Details Manual and the 2011 LADOTD Hydraulics Manual).
03/22-Present	**LA 45 DRAINAGE IMPROVEMENTS: St Tammany Parish, LA.** *Designer* - This project involved replacing the existing surface drainage system to bring it up to current standards. This project required the analysis of the local drainage areas. Using the collected data from the drainage areas a subsurface drainage system was designed. Quantities for the drainage system were computed. The drainage system was designed according to the **current LADOTD standards and guidelines** (2011 LADOTD Hydraulics Manual).

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: **Road Design, Drainage**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 **Brandon has 2 years of experience with road projects**	*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 horizontal and vertical alignments, pavement design, quantity and drainage calculations and watershed delineations. He has assisted with the design of over 90 bridges across Louisiana on LADOTD projects. He also assisted with several governmental projects involving pipeline design/improvements and geotechnical solutions regarding pipeline installations. He has handled cost estimations, report/document/project tracking, site project visits, invoice agreement verification and building permit applications. He is proficient in AutoCAD Civil 3D, Microstation V8i, and HEC-RAS / HEC-HMS. Mr. Abbott has completed the Traffic Engineering Analysis Process and Report Modules 1-3. He has experience developing Transportation Management Plans for roadway construction projects and is familiar with the current editions of LADOTD's Louisiana Standard Specifications for Highways and Bridges, DOTD's Roadway Design Procedures and Details Manual, Bridge Design Manual, and Hydraulics Manual. Mr. Abbott also completed the following training: HEC-RAS Essentials 1D & 2D and Structures with HEC-RAS.*
08/22-Present **SECTION 17 PROJECT**	**SHARP ROAD: Mandeville, LA.** *Engineer Intern* - Mr. Abbott is assisting with the preparation of preliminary and final construction plans for roadway improvements, subsurface drainage installation, and sidewalk construction to **increase safety for this heavily trafficked roadway by improving pavement conditions and drainage, along with providing a safe place for pedestrians and bicyclists.** Design also includes **standard safety features, including rumble strips, visible lane markings, shoulder wedge, guardrails, and safety end treatments.**
08/22-Present	**MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA.** *Project Engineer* - GEC is preparing plans, specifications, and estimates for the **removal and replacement of an existing asphalt and concrete pavement** and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. Mr. Abbott is providing design assistance.
08/22-Present	**H.003074, I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Road Design* - Project included the design of the addition of a lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane. Mr. Abbott 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	**WEST TAMMANY HILLS DRAINAGE: Covington, LA.** *Engineer Intern* - Mr. Abbott is assisting with the development of a drainage report, along with plans for the installation of subsurface drainage for the residential area north of the Crestwood Subdivision in Covington.
02/22-08/22	**NORTH CANAL DRAINAGE IMPROVEMENT PROJECT: Baker, LA.** *Engineer Intern* - Assisted in the creation of plan sets and design components for the improvement of the drainage system for North Canal in Baker, LA. Conducted a cost analysis for all design aspects and construction costs. Assisted in the Benefit-Cost Analysis under supervision of a senior project engineer.
02/22-08/22	**BOZEMAN CREEK DRAINAGE PROJECT: Baker, LA.** *Engineer Intern* - Conducted a cost analysis for all design aspects and construction costs. Assisted in the Benefit-Cost Analysis under supervision of a senior project engineer.
02/22-08/22	**BRUSHY CREEK DRAINAGE PROJECT: Baker, LA.** *Engineer Intern* - Conducted a cost analysis for all design aspects and construction costs. Assisted in the Benefit-Cost Analysis under supervision of a senior project engineer.

Firm employed by	**G.E.C., Inc.**		
Name	**Alejandro "Alex" Flores**	Years of relevant experience with this employer	30
Title	Senior Planner	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization	M.S. / 2020 / Transportation, B.S. / 2006 / Urban & Regional Planning, A.S. / 1991 / Architectural Engineering, A.S. / 1991 / Civil Engineering		
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: **Road Design**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***Alex routinely provides design services for roadway improvement projects***	*Mr. Flores has over 30 years of experience promoting a vision of sustainable urban and regional development and its implementation in community and regional planning projects. He has extensive experience in project design which incorporates safety and connectivity for pedestrians, bicyclists, transit users, and motorists in planned corridors. His experience includes a broad field of practice ranging from large scale master-planned residential projects, mixed-use communities planning and design, to small scale residential developments, incorporating short and long range transportation master planning strategies. His approach to community design and transportation planning is based on the principles of smart growth development to serve the economy, the community and the environment. Mr. Flores has participated in the preparation of Stage 0 Feasibility Studies, and in the design of numerous mixed-use projects in the New Orleans Metropolitan area. The studies and projects addressed the safety improvements and connectivity for people walking, bicycling, and driving and the design of community elements such as streets, drainage sewer and water systems. He has ample experience in detailed site design and industrial master planning, complex urban planning, park creation/restoration, and planning and design of public spaces. He has participated in the implementation of complete streets policy in community development projects, streetscape, roadway maintenance, preservation, and modernization projects.*
10/19-Present	**MID CITY GROUP C, D, & E, FEMA RECOVERY ROADS PROGRAM: New Orleans, LA.** *Project Engineer* - GEC is preparing plans, specifications, and estimates for the **removal and replacement of an existing asphalt and concrete pavement** and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. Mr. Flores performed project scoping and cost estimate.
05/17-Present	**ST. BERNARD GROUP A, RR165 FEMA CAPITAL IMPROVEMENT PROGRAM: New Orleans, LA.** *Project Manager* - In addition to Project Management, Mr. Flores participated in the design of street **reconstruction, drainage point repairs** and waterline improvements. The tasks performed included preliminary design, final design, bid and award, **construction administration, resident inspection and record drawings**. Presently, the project is in the construction close-out phase. The project consists of 36 blocks. GEC's design was performed in accordance with the General Specifications for Street Paving of City of New Orleans, DPW, and with the New Orleans Sewerage and Water Board specifications. Project ID: RR165 Street Improvements, DPW PW 21032 and Water Replacement Program, SWB PW 21031.
10/24-05/15	**CLEARVIEW PARKWAY TURN LANE IMPROVEMENTS AT MOUNES: Jefferson Parish, LA.** *Project Manager/Designer* - Mr. Flores participated in the **design of roadway widening and left turn lane** to serve southbound traffic on Clearview Parkway at Mounes Street. The tasks performed by Mr. Flores included geometric layout, topographic information coordination, horizontal alignment, utility coordination-relocation, grading plan, storm water pollution prevention plan, plan and profile sheets, joint layout, pavement markings layout, summary sheets, typical sections, notes, special details, Jefferson Parish and LADOTD approvals, suggested sequence of construction and construction administration. The design included modifications to the existing traffic signal and new pavement markings for Clearview Parkway. All design was in accordance with DOTD and AASHTO requirements. The design was reviewed and approved by DOTD. Construction was inspected by and accepted by DOTD.

Firm employed by	**G.E.C., Inc.**		
Name	**Jeff Robinson, PE**	Years of relevant experience with this employer	27
Title	Senior 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 / 03-31-2025		
Year registered 2001	Discipline: Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Environmental Coordination**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***Jeff has prepared SWPPP in accordance with LADOTD standards***	*Mr. Robinson has more than 25 years of civil/environmental engineering project management experience and provides planning, coordination and consulting services for federal and state regulatory compliance issues for numerous governmental and private sector clients. Mr. Robinson is widely respected for his thorough and highly objective approach to environmental, hydrologic, transportation and geotechnical issues as they relate to permitting, design, federal and state compliance, wetlands, hazardous materials, and other critical issues surrounding major infrastructure projects. Few engineers can match the breadth and depth of his experience. He is well-versed in NEPA documentation, HTRW investigations, environmental baseline studies, wetland mitigation bank planning and permitting, ASTM E 1527 Phase I ESA, storm water planning/design, noise analyses, and asbestos inspections. Mr. Robinson successfully completed the NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making".*
02/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Environmental Lead* - Mr. Robinson is Environmental Lead for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the Project, including preparation of the project's **Storm Water Pollution Prevention Plan (SWPPP).** Mr. Robinson prepared the SWPPP in accordance with *General Permit for Storm Water Discharges Related to the Louisiana Department of Transportation and Development's Statewide Construction and Maintenance Activities Resulting in Land Disturbance* (Permit LAR600000).
08/19-Present	**H.011670.6 / I-10/LOYOLA INTERCHANGE IMPROVEMENTS: Jefferson Parish Louisiana, LA.** *Environmental Lead* - Mr. Robinson is Environmental Lead for GEC's Owner Verification Services (OV) team. His responsibilities included quality assurance reviews and acceptance of the project's **Storm Water Pollution Prevention Plan (SWPPP)**, and he verified compliance of the DB Contractor's SWPPP in accordance with *General Permit for Storm Water Discharges Related to the Louisiana Department of Transportation and Development's Statewide Construction and Maintenance Activities Resulting in Land Disturbance* (Permit LAR600000).
2002-2009	**700-99-0266 / LOUISIANA TIMED MANAGERS (LTM): Statewide, LA.** *Environmental Program Manager* - Mr. Robinson was responsible for all environmental planning, permitting and design pursuant to the construction of 35 project segments comprising more than 260 miles of new highway construction addressed in DOTD's Transportation Infrastructure Model for Economic Development (TIMED) Program. 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 preparation of **Storm Water Pollution Prevention Plans (SWPPP)** and permitting for all highway construction segments in accordance with *General Permit for Discharges of Storm Water From Construction Activities – Five Acres or More* (LAR100000).
01/14-05/17	**H.004987 / U.S. HWY. 190 / COLLINS BOULEVARD WIDENING (US-190B – LA 25): Covington, LA.** *Environmental Project Manager* - Mr. Robinson's responsibilities included project management for the preparation of an **Environmental Assessment (EA) with Finding of No Significant Impact (FONSI)** for the widening of approximately three miles of U.S. Hwy 190 in Covington in accordance with DOTD, FWHA, and NEPA requirements, a project which will include the construction of new bridges across the Bogue Falaya River. 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 wetlands mitigation and permitting, Sections 4(f) and 6(f) consultations, floodplains, and threatened and endangered species consultations. Mr. Robinson was responsible for this NORPC-led effort to improve traffic flow efficiency through the primary north-south roadway corridor.

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: **Construction Coordination**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 **Brian has 40 years of experience with construction support for LADOTD projects**	*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*
09/19-Present **SECTION 17 PROJECT**	**LASAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Construction Inspection* - GEC designed roadway improvements and a shared use path along Airline Highway that would connect to Main St. **in accordance with the LADOTD Roadway Design Procedures and Details Manual.** GEC's design **improves accessibility and mobility and provides curb bump outs to reduce the crosswalk distances**. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Mr. Buckel oversees the inspection staff for the project which is currently under construction.
09/12-Present	**EAST BATON ROUGE CITY PARISH STREET AND ROAD REHABILITATION PROGRAM (DPW PROJECT NO. 15-CEST-0001): East Baton Rouge Parish, LA.** *Principal-in-Charge* - This project began in 1990 and GEC has been the prime consulting engineer, responsible for **construction inspection for all City of Baton Rouge Street Improvements** since 1991. In this role, GEC provides one project engineer, one senior chief inspector, and two chief inspectors. These inspectors must be certified by LADOTD in both asphalt and concrete construction. In addition, GEC provides between 5 and 6 inspectors certified by LADOTD in Asphaltic Concrete Paving, Portland Cement Concrete Paving or Embankment and Base Course construction.
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.
07/19-Present	**H.011670 / I-10/LOYOLA INTERCHANGE IMPROVEMENTS: Jefferson Parish, Louisiana.** *Principal-in-Charge* - GEC, selected as the Owner Verification firm, is providing all necessary engineering & related services for Design-Build Construction Support Services for the administration of the Design-Build contract on behalf of LADOTD, along with managing the implementation of the Project's Construction Quality Assurance Program (CQAP). Mr. Buckel is providing assistance, support, and constructability review to the LADOTD Project Manager to verify requirements of the contract documents are met.

Firm employed by	**G.E.C., Inc.**		
Name	**Roland Maurin Jr., PE**	Years of relevant experience with this employer	8
Title	Construction Engineer	Years of relevant experience with other employer(s)	39
Degree(s) / Years / Specialization		B.S. / 1977 / Civil Engineering	
Active registration number / state / expiration date		20553 / Louisiana / 09-30-2024	
Year registered	1983	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Construction 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 years of experience specified in the applicable MPR(s).
 ***Roland has 46 years of experience with construction support for LADOTD projects***	*Prior to joining GEC in 2014, Mr. Maurin was Assistant District Administrator LADOTD Operations, managing District 62 district-wide operations which included roadway, bridge, and facility maintenance, movable bridge operations, ferry landings, rest area operations, roadside development, and fleet management. He served as manager of traffic engineering, traffic operations, and bridge inspection and painting of state (on system) and local (off system) bridges. He was also district incident commander for all road/weather events, preparations, coordination with authorities, and after event activities. In addition, he served as District Maintenance Engineer LADOTD for seven years, overseeing all LADOTD maintenance activities in District 62 in Hammond, Terrebonne Parish, and Lafourche Parish. For 13 years, he served as Resident Construction Engineer, performing contract administration over all construction projects in St. John, St. Helena, and northern Tangipahoa parishes. He has the following certifications: ATSSA TCT/TCS, ATSSA Flagger*
01/15-Present	**SALES TAX STREET AND ROAD REHABILITATION PROGRAM (DPW PROJECT NO. 15-CEST-0001): East Baton Rouge Parish, LA.** *Project Engineer* - This project began in 1990 and GEC has been the **prime consulting engineer, responsible for construction inspection for all City of Baton Rouge Street Improvements** since 1991. In this role, GEC provides one project engineer, one senior chief inspector, and two chief inspectors. These inspectors must be certified by LADOTD in both asphalt and concrete construction. In addition, GEC provides between 5 and 6 inspectors certified by LADOTD in Asphaltic Concrete Paving, Portland Cement Concrete Paving or Embankment and Base Course construction.
05/15-09/21	**H.009479 / WEST LAROSE VERTICAL LIFT SPAN BRIDGE REHABILITATION: Larose, LA.** *Project Engineer* - Mr. Maurin was the Project Engineer representing the LADOTD on the rehabilitation of the West Larose Bridge. The $26M project included a new fender system construction, removal of the existing paint system and repainting, structural repairs and bolt replacement, and rehabilitation of the electrical and mechanical systems.
11/14-03/18	**H.005972 / GNOEC, 9-MILE TURNAROUND SPANS, CROSSOVER #5 WIDENING: St. Tammany and Jefferson Parishes, LA**. *Project Oversight* - This project is the most recent to expand the Lake Pontchartrain Causeway. Mr. Maurin had project oversight of this project. Hurricane Katrina severely damaged the access ramps on the 9-Mile Turnaround. 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 $8.3M project constructed a platform between the Northbound and Southbound bridges that is approximately 120'x80'. The platform, constructed of AASHTO Type IV PPC Girders, was designed for full vehicle loading and the placement of a communications tower. All GNOEC and Cell Phone equipment located at the turnaround was moved to the platform.
06/16-04/18	**H.011217 / GNOEC – DEMOLITION OF THE 9 MILE: St. Tammany and Jefferson Parishes, LA.** *Construction Engineer* - Mr. Maurin had project oversight and supervision over AASHTO SiteManager Approval of DWRs and final change orders, as well as compiling the final punch list for acceptance.
09/06-06/13	**ASSISTANT DISTRICT ADMINISTRATOR LADOTD OPERATIONS:** Mr. Maurin was the manager of District 62 district-wide operations to include **roadway, bridge and facility maintenance**, movable bridge operations, ferry landings, rest area operations, roadside development and fleet management. Manager of traffic engineering, traffic operations and bridge inspection and painting of state (on system) and local (off system) bridges. District incident commander for all road/weather events, preparations, coordination with authorities and after events.

Firm employed by	**G.E.C., Inc.**		
Name	**Marc Dunn, PE**	Years of relevant experience with this employer	8
Title	Construction Engineer	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering	
Active registration number / state / expiration date		43705 / Louisiana / 03-31-2024	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Construction 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 years of experience specified in the applicable MPR(s).
 ***Marc has 12 years of experience***	*Marc Dunn is an Engineer assisting the Project Engineer in field operations and office work on numerous projects. He has experience on asphalt paving, catch basins, drainage, sanitary sewer, and embankment and base course projects. He also has a vast understanding of Site Manager, developing LPA project plans and understanding of LADOTD specifications. Mr. Dunn has experience with collection of street condition data utilizing the PASER rating method and QuickCapture program. Certifications: ATSSA TCS, ATSSA Flagger*
2014-2019	**SALES TAX STREET AND ROAD REHABILITATION PROGRAM: East Baton Rouge Parish, LA.** *Engineer* - Mr. Dunn was an engineer assisting the Project Engineer for this project which began in 1990. Mr. Dunn provided oversight of inspectors, developed plans and quantities for upcoming projects, handled partial estimates and change orders and assisted the project engineer on project administration for the past 5 years. GEC has been the **prime consulting engineer, responsible for all aspects of construction inspection for all City of Baton Rouge Street Improvements**. These projects include a variety of rehabilitations jobs; PPC paving patching, asphalt patching, asphaltic concrete overlay, crack sealing and full reconstruction including soil cement. Mr. Dunn has served as Engineer on the following projects: 14-09 Winbourne Ave, 14-15 Crack Sealing, 15-01 Carrington Place, 15-02 H.010648 Acadian Thruway Project, 15-03 Santa Maria, 15-04 Magnolia Trace & Shadows of White Oak, 15-05 Brookstown, 15-06 H.010650 OLOL Project, 15-07 Old Perkins Barringer Foreman, 15-08 Woodale & Lobdell, 15-09 Pearirs Road & Comite Drive, 15-10 Crack Sealing, 15-11 PCC Partial Depth Patching, 15-12 Stumberg, 16-01 H.011364 Goodwood Blvd., 16-02 H.011363 Sherwood Blvd., 16-03 Sherwood Forest Streets, 16-04 Dalyrmple, 16-05 Bluebonnet and Nicholson, 16-06 Arbor Walk, 16-07 Choctaw, Prescott and Airway, 16-09 Goodwood and Sherwood Forest, 16-10 H.011842 Chocktaw Drive Pavement Preservation. (DPW Project No. 15-CEST-0001)
05/15-Present	**H.009479 / WEST LAROSE VERTICAL LIFT SPAN BRIDGE REHABILITATION: Larose, LA.** *Engineer* - Mr. Dunn is an engineer assisting the Project Engineer with the rehabilitations of the West Larose Bridge. The project includes a new fender system construction, removal of the existing paint system and repainting, structural repairs and bolt replacement, and rehabilitation of the electrical and mechanical systems.
11/16	**BATON ROUGE ITS DEPLOYMENT (PHASE 3): Ascension, East Baton Rouge, Iberville, Livingston, Pointe Coupee, and West Baton Rouge Parishes, LA.** *Engineer Intern* - Mr. Dunn was the Engineer Intern assisting the Project Engineer with the **Engineering and Inspection services** for the Baton Rouge ITS Deployment Phase 3 Project. The project consisted of construction and integration of five (5) new DMS sites, ten (10) new CCTV sites, one (1) new hub site, thirty (30) Bluetooth Vehicle Detectors (combined with new and existing sites), and five (5) miles of new fiber optic build-out, conduit, and associated pullboxes.
07/19-Present	**H.011670 / I-10 LOYOLA INTERCHANGE IMPROVEMENT, DESIGN-BUILD PROJECT: Jefferson Parish, LA.** *Assistant Project Engineer* - GEC, selected as the Owner Verification firm, is providing all necessary engineering & related services for Design-Build **Construction Support Services** for the administration of the Design-Build contract on behalf of LADOTD, along with managing the implementation of the Project's Construction Quality Assurance Program (CQAP). Mr. Dunn is overseeing the inspectors performing owner verification and the QC firm on the daily field operations. He assists the Project Engineer on design review meetings and field operations.

Firm employed by	NTB Associates, Inc.		
Name	Bryan T. Bunch, PLS	Years of relevant experience with this employer	14
Title	Executive Vice President	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		B.S. / 1998 / Survey and Land Information Systems	
Active registration number / state / expiration date		5014 / Louisiana / 03-31-2024	
Year registered	2009	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		Role on this Project: **Topographic Surveying**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/22 – 03/23	**LADOTD MONKHOUSE TO I-49:** Caddo Parish, LA (4400017713) Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, and Mobile Laser Scanning for interstate rehabilitation.
08/21 – 03/23	**LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 05, 08, & 58:** (4400019337) Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.
04/21 – 03/23	**LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 02, 03, 07, 61, & 62:** (4400019338) Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.
12/20 – 03/22	**LADOTD LA 47 IWGO BRIDGE REHABILITATION, HISTORIC BRIDGE IMPROVEMENT (HBI):** Orleans Parish, LA (4400017713) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL C & D subsurface utility services for bridge repair/ rehabilitation.
03/21 – 03/22	**CITY-PARISH WARD CREEK AT SIEGEN LANE:** East Baton Rouge Parish, LA (22-DR-US-0013) Survey Project Manager managed field crews and technicians for control, topographic, and boundary surveys along with QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.
12/20 – 03/21	**LADOTD LA 6:** Youngs Bayou Bridge Rehab, Natchitoches Parish, LA (4400017713 & H.013821.5) Asst. Project Manager assisted in the supervision and review of survey data and processing for topographic surveying services.
05/15 – 12/20	**CITY OF BOSSIER, WALTER O. BIGBY CARRIAGEWAY (N. PKWY EXT.):** Bossier Parish, LA (City Proj. No. 8-15) Quality Control Surveyor supervised south LA field crews and technicians for Static GPS Control, topographic, boundary, and hydrographic surveying services, QL A, B, C, and D subsurface utility designation/locating, and construction management support services.
12/17 – 07/20	**LADOTD I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12:** West & East Baton Rouge Parishes, LA (H.004100.5) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
07/19 – 02/20	**LADOTD I-10:** Loyola Interchange, Kenner, Jefferson Parish, LA (H.011670) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating services, and surveys in support of QL B, C, and D subsurface utility designating for approximately 5 miles.
12/18 – 01/20	**LADOTD LA 951:** Roadway Washout Repairs, East Feliciana Parish, LA (H.013643) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys, QL A, B, C, and D subsurface utility designating/locating, and surveys in support of QL A, B, C, and D subsurface utility designating/locating for approximately 2,600 feet.

Firm employed by	**NTB Associates, Inc.**
Name	**Bryan T. Bunch, PLS** *Continued Resume*
03/19 – 10/19	**LADOTD US 167, LA 2:** Middle Slough & Creek Bridges, Union Parish, LA (4400009385 & H. 012037.5) QC Surveyor assisted in the supervision and review of survey data and processing for topographic surveying services.
06/18 – 10/18	**LADOTD I-10:** Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL A, B, C, and D subsurface utility designating/locating for approximately 2 miles.
05/16 – 06/18	**LADOTD LA 675 & LA 87 IMPROVEMENTS IN NEW IBERIA:** Iberia Parish, LA (4400002562 & 4400006814) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and surveys in support of QL A, B, C, and D subsurface utility designating/locating for drainage rehabilitation.
12/15 – 06/17	**LADOTD COTTON TO SILO BRIDGE REPLACEMENT:** St. Mary Parish, LA (4400003592 & H.001723.5) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services and surveys in support of QL B, C, and D subsurface utility designating for roadway rehabilitation and bridge replacement.
07/16 – 03/17	**LADOTD BAYOU FOUNTAIN, ROUTE LA 327 SPUR (GARDERE LANE):** East Baton Rouge Parish, LA (4400006527 & H.002337.5) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services.
05/16 – 12/16	**LADOTD I-110:** Interchange Modifications, East Baton Rouge Parish, LA (4400006527 & H.012422.5) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL B, C, and D subsurface utility designating.
10/15 – 07/16	**LADOTD MACARTHUR INTERCHANGE COMPLETION PHASE II, ROUTE US 90-Z:** Jefferson Parish, LA (4400005142 & H.011309.5) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services for a new roadway connection as a sub-consultant to SDR Engineering.
04/15 – 02/16	**LADOTD I-20 (AIRLINE DRIVE TO I-220) ROUTE I-20:** Bossier Parish, LA (4400005532 & H.011319.5) Asst. Project Manager supervised south LA crew members and technicians for topographic surveying services.
04/15 – 09/15	**LADOTD LA 3094:** Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 & H.011094.5) Asst. Project Manager assisted in the supervision of field crews and technicians for topographic surveying services.
02/14 – 03/15	**LADOTD EARHART EXPRESSWAY EXTENSION TO US 61, ROUTE LA 3139:** Jefferson Parish, LA (H.004367.5) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL A, B, C, and D subsurface utility designating/locating.
07/12 – 01/14	**LADOTD I-10 LOYOLA AVE. TO WILLIAMS BLVD.:** Jefferson Parish, LA (H.003074.5 & H.009087.5) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL A, B, C, and D subsurface utility designating/locating for interstate rehabilitation.
04/13 – 09/13	**LADOTD LA 506 CASTOR RELIEF BRIDGES, ROUTE LA 506:** Caldwell Parish, LA (345-03-0029, 400001798, & H.002650.5) Asst. Project Manager assisted in the supervision of field crews and technicians for topographic surveying services.
01/12 – 04/12	**LADOTD I-12 WALKER TO SATSUMA:** Livingston Parish, LA (4400001798 & H.009836.5) Project Surveyor assisted in the supervision of field crews, file processing, drafting, and submittals for topographic surveys and surveys in support of QL B, C, and D subsurface utility designating for interstate rehabilitation.
02/11 – 08/11	**LADOTD I-20 REHABILITATION WESTERFIELD AVENUE TO INDUSTRIAL DRIVE, DISTRICT 04:** Bossier Parish, LA (H.003860.5 & 700-99-0525) Project Surveyor assisted in the supervision of south LA field crews, file processing, drafting, and submittals for topographic surveys and surveys in support of QL B, C, and D subsurface utility designating.

Firm employed by	**NTB Associates, Inc.**		
Name	**Mike J. King, PLS**	Years of relevant experience with this employer	16
Title	Staff Surveyor	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		B.S. / 2012 / Construction Management	
Active registration number / state / expiration date		5127 / Louisiana / 09-30-2023	
Year registered	2015	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		Role on this Project: **Topographic surveying services**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/22 – 03/23	**LADOTD MONKHOUSE TO I-49:** Caddo Parish, LA (4400017713) Assistant Survey Project Manager assisting in the management of field crews and technicians for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, surveys in support of QL C & D subsurface utility services, and Mobile Laser Scanning for interstate rehabilitation.
08/21 – 03/23	**LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 05, 08, & 58:** (4400019337) Assistant Survey Project Manager assisting in the management of field crews and technicians for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.
04/21 – 03/23	**LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 02, 03, 07, 61, & 62:** (4400019338) Assistant Survey Project Manager assisting in the management of field crews and technicians for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.
03/22 – 03/22	**CITY OF BATON ROUGE/EAST BATON ROUGE PARISH, MOVEBR BLUEBONNET BLVD. (PERKINS – PICARDY):** East Baton Rouge Parish, LA (19-CP-HC-0034) Quality Control Surveyor reviewed and processed data for topographic surveys and surveys in support of QL A, B, C, and D utility designating/ locating throughout the approximately 1.5 miles of the project corridor.
03/21 – 03/22	**CITY-PARISH WARD CREEK AT SIEGEN LANE:** East Baton Rouge Parish, LA (22-DR-US-0013) Quality Control Surveyor reviewed and processed data for control, topographic, and boundary surveys along with surveys in support of QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.
09/21 – 03/22	**LADOTD LA 47 IWGO BRIDGE REHABILITATION, HISTORIC BRIDGE IMPROVEMENT (HBI):** Orleans Parish, LA (4400017713) Assistant Survey Project Manager assisted in the management of field crews and technicians for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL C & D subsurface utility services for bridge repair/ rehabilitation.
12/20 – 03/21	**LADOTD LA 6, YOUNGS BAYOU BRIDGE REHAB:** Natchitoches Parish, LA (4400017713 & H.013821.5) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge rehabilitation.
05/15 – 12/20	**CITY OF BOSSIER, WALTER O. BIGBY CARRIAGEWAY (N. PKWY EXT.):** Bossier Parish, LA (City Proj. No. 8-15) Quality Control Surveyor reviewed data and drafting for topographic surveys and surveys in support of QL A, B, C, and D subsurface utility designation/locating.
12/17 – 07/20	**LADOTD I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12:** West & East Baton Rouge Parishes, LA (H.004100.5) Assistant Survey Project Manager assisted in the management of field crews and technicians for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
07/19 – 02/20	**LADOTD I-10, LOYOLA INTERCHANGE:** Kenner, Jefferson Parish, LA (H.011670) Assistant Survey Project Manager assisted in the management of field crews and technicians for topographic surveys and surveys in support of QL A, B, C, and D subsurface utility designating/locating.

Firm employed by	Vectura Consulting Services, LLC		
Name	Sheelagh Brin Ferlito, PE, PTOE	Years of relevant experience with this employer	7
Title	Principal	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		B.S. / 1988 / Civil Engineering	
Active registration number / state / expiration date		25383 / Louisiana / 9-30-2023	
Year registered	1993	Discipline	Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/21 - Current	**H.007160 - EBR COMPUTERIZED TRAFFIC SIGNAL, PHASE VB:** Baton Rouge, Louisiana. Brin is the task leaders for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
07/19 – current	**MOVEBR NEW CAPACITY PROJECTS PROGRAM MANAGEMENT:** (Baton Rouge, LA) Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.
07/19 – current	**H.004791 DOTD BELLE CHASSE BRIDGE & TUNNEL REPLACEMENT PPP:** Belle Chasse, LA. Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by Louisiana DOTD. She coordinated the detour plans based on the sequence of construction as part of the Level 2 Transportation Management Plan (TMP).
09/20 – 12/21	**H.010960.5 LA 30 ROUNDABOUTS AT TANGER I-10:** Ascension Parish, LA. Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.
07/18 – 04/19	**LA 1 PEDESTRIAN CROSSWALK STUDY AND TRAFFIC / PEDESTRIAN SIGNAL DESIGN:** West Baton Rouge Parish, Addis, LA. Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17-04/18	**US 11 AT US 190 BUS. (FREMAUX AVE.) PEDESTRIAN CROSSWALK STUDY AND TRAFFIC / PEDESTRIAN SIGNAL EQUIPMENT DESIGN:** Slidell, LA Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.

Firm employed by	Vectura Consulting Services, LLC
Name	**Sheelagh Brin Ferlito, PE, PTOE** *Continued Resume*
04/14 – 12/14	**H.002301 SIGNAL DESIGN FOR N. SHERWOOD FOREST DR. WIDENING PROJECT:** (Baton Rouge, LA) As the project engineer, Brin designed three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	**EBR 03-TS-CI-0026 CE&I FOR EBR TRAFFIC SIGNAL SYSTEMS JEFFERSON HIGHWAY CONSTRUCTION:** (Baton Rouge, LA) Brin was the Project Resident Engineer on behalf of EBR for performing CE&I services for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM/EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
09/13 – 04/14	**S.P. 700-99-0477 JEFFERSON HWY. SIGNAL DESIGN:** (Baton Rouge, LA) Ms. Ferlito designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans and specifications.
03/05 – 11/05	**AIRLINE HWY WIDENING SPN 700-99-0332:** (Baton Rouge, LA) Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	**EBR TRAFFIC SIGNAL SYSTEMS PHASES IV AND V SPN 700-17-0172:** (Baton Rouge, LA) Brin was the project engineer for the design of 66 signalized intersections on eight arterials in Baton Rouge which included traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

Firm employed by	**Vectura Consulting Services, LLC**		
Name	**Laurence Lucius Lambert, II, PE, PTOE, PTP**	Years of relevant experience with this employer	7
Title	Principal	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization	B.S. / 1997 / Civil Engr.; M.S. / 2006 / Civil Engr. (Transportation focus); M.B.A. / 2010		
Active registration number / state / expiration date	29901 / Louisiana / 03-31-2024		
Year registered 2001	Discipline: Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **TMP Supervisor / Traffic Signal Design QC**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/21 – 02/22	**H.013267 CAPITAL AREA PATHWAYS PROJECT:** (Baton Rouge, LA) Laurence was project manager for a traffic study to evaluate trail crossings at three state routes that required DOTD approval. The traffic study included traffic data collection, safety analysis, existing conditions analysis and alternative analysis. Laurence used the DOTD Traffic Engineering Manual, MUTCD, and FHWA guidance to develop the most effective trail crossing alternatives.
07/19 – current	**MOVEBR NEW CAPACITY PROJECTS PROGRAM MANAGEMENT:** (Baton Rouge, LA) At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided peer review for the traffic studies for Ben Hur Road and Lee Drive.
04/18 – 12/21	**H.010960.5 LA 30 ROUNDABOUTS AT TANGER & I-10 GONZALES:** (Ascension, LA) Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
04/18 – 12/21	**H.011909.5-4 ROUNDABOUT, US 171 AT BOONE ST.:** (Vernon Parish) Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.
02/20 – 09/21	**COLLEGE DRIVE CORRIDOR ENHANCEMENT FROM PERKINS ROAD TO I-10:** (Baton Rouge, LA) Laurence was the project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from DOTD was required. After the 7-day, 24-hour counts were collected in March of 2020, DOTD stopped all data collection due to the impacts of COVID-19. After a pause of a year, Vectura closely worked with the City of Baton Rouge and DOTD to provide sufficient data that traffic patterns were returning to pre-COVID conditions and allowed PM peak hour data to be collected. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.
09/17-04/18	**US 11 AT US 190 BUS. (FREMAUX AVE.) PEDESTRIAN CROSSWALK STUDY AND TRAFFIC / PEDESTRIAN SIGNAL EQUIPMENT DESIGN SLIDELL:** LA Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.

Firm employed by	**Vectura Consulting Services, LLC**
Name	**Laurence Lucius Lambert, II, PE, PTOE, PTP** *Continued Resume*
10/17 - 10/18	**H.013025 LA 182 (UNIVERSITY AVENUE) CORRIDOR PLANNING STUDY:** (Lafayette, LA) Laurence was the lead transportation engineer for a Corridor Planning Study for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. Laurence collected AM & PM peak vehicle turning movement counts as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to develop growth rates and design year volumes. Laurence then performed Highway Capacity Manual analysis for 5 intersections along the intersection analyses for the signalized and roundabout controlled alternatives. Included in the study was a safety analyses of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.
09/16 - 04/17	**H.004957.5 I-12 TO BUSH - LA 3241:** (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA) Laurence was the lead traffic engineer for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM traffic simulation model of the preferred alternative.
07/16-01/17	**FHWA INTERSECTION & INTERCHANGE GEOMETRICS:** Innovative Design Considerations for All Users (Norfolk, VA) At the request of the FHWA division office for Virginia, Laurence was asked to peer review a set of design plans for a Displaced Left Turn (DLT) in Norfolk, VA. The plans were part of a design-build project that included widening a corridor, modifications to an interchange and the implementation of a DLT. Vectura specifically reviewed and commented on the intersection geometry, pavement markings and signage. The findings were summarized in a technical memorandum as well as “red line” comments were scanned and submitted to the FHWA Virginia Division office for their use.
06/16 - 09/17	**H.004490 STAGE 0 ROUNDABOUT STUDIES:** (Lafayette Parish, LA) Laurence performed a Stage 0 Feasibility Study for roundabouts at ten intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification, turning movement counts for peak periods and speed data for mainlines. Once the traffic data was collected, Laurence performed traffic signal warrants analyses, performed a Sidra unsignalized, signalized and roundabout analyses. After the analyses were completed, Laurence developed a report that captured the results.
03/10 - 11/11	**S.P. NO. 700-09-0171 STAGE 0 AND 1 STUDY I-49 INNER CITY CONNECTOR:** (Shreveport, LA) This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the Stage 0, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
09/06 - 09/07	**EBR 06-CS-HC-00012 DOWNTOWN BATON ROUGE SIGNAL PROJECT:** (Baton Rouge) Laurence was the Project Manager to develop construction plans to upgrade 29 signals in downtown Baton Rouge as part of the EBR Green Light Plan. Laurence developed a design study that included traffic data collection, handicap ramp recommendations, countdown pedestrian signals and internally illuminated street name signs.
04/04 - 09/06	**STAGE 0 I-10 AT PECUE LANE INTERCHANGE JUSTIFICATION STUDY:** (Baton Rouge, LA) Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

Firm employed by	**Vectura Consulting Services, LLC**		
Name	**Reece Rodrigue, PE, PTOE**	Years of relevant experience with this employer	3
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		42074 / Louisiana / 03-31-2024	
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Project Engineer for Traffic Control Design, Signal CE&I and TMP**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/21 - current	**MOVEBR DIRECT SELECT FOR TRAFFIC SIGNAL DESIGN:** Baton Rouge, LA Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This projected included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
07/21 – Current	**H.007160 - EBR COMPUTERIZED TRAFFIC SIGNAL, PHASE VB:** (Baton Rouge) Reece is part of the team responsible for Construction Engineering and Inspection. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
01/21 – 05/21	**H.013256 - I-10 ITS SCOTT TO LAKE CHARLES:** (Lafayette, Acadia, and Jefferson Davis Parishes) Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using DOTD's Bid Tabulation and Cost Estimating Tool.
09/20 – 12/21	**H.011909.5-4 ROUNDABOUT US 171 AT BOONE ST.:** (Vernon Parish) Reece was a project engineer, who participated in the production of the temporary signal design associated with the sequence of construction for the roundabout at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20 – 12/21	**H.010960.5 LA 30 ROUNDABOUTS AT TANGER I-10:** (Ascension Parish) Reece was a project engineer, who assisted in the production of the temporary signal design associated with the sequence of construction for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
04/20 - Current	**H.004791 DOTD BELLE CHASSE BRIDGE & TUNNEL REPLACEMENT PUBLIC-PRIVATE PARTNERSHIP PROJECT:** (Belle Chasse) Reece is the project engineer who designed the temporary traffic signal for the intersection of LA 23 at Engineers Rd. The design of the temporary signals is set for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan, which were also used in planning for the permanent and temporary signal timing plans. Reece was also responsible for the production of permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated STOP bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. Reece maintains correspondence with the fellow design engineering team for product consistency. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.

Firm employed by	**Vectura Consulting Services, LLC**		
Name	**Kristen Gahagan Farrington, PE, PTOE**	Years of relevant experience with this employer	1
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization	B.S. / 2014 / Civil Engineering		
Active registration number / state / expiration date	42785 / Louisiana / 03-31-2023		
Year registered 2018	Discipline: Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Project Engineer for Traffic Control Design, Signal CE&I and TMP**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/21 - current	**CP NO. 16 CI-US-0032 BUS RAPID TRANSIT (BRT) IMPROVEMENT PROJECT:** (Baton Rouge, LA) Kristen a project engineer for a traffic design study and traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
08/21 – 04/22	**H.013267 DOWNTOWN TO SCOTLANDVILLE PARKWAY TRAIL SAFETY ENHANCEMENT STUDY:** (Baton Rouge, LA) Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting vehicular speed and volume data at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.
02/20 – 09/21	**MOVEBR COLLEGE DRIVE ENHANCEMENT PROJECT:** (Baton Rouge, LA) Kristen assisted with the data collection task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
6/19 - 2/21	**H.013459 US 167 IMPROVEMENTS STAGE 0 ELSIE STREET TO GILBERT STREET:** (St. Landry Parish, LA) Kristen served as project manager for a Stage 0 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, as well as a benefit-cost analysis of all improvements considered. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
6/19 - 2/21	**H.013460 US 167 IMPROVEMENTS STAGE 0 ENOLA STREET TO ROSS ROAD:** (Evangeline Parish, LA) Kristen served as project manager for a Stage 0 study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.

Firm employed by	**APS Engineering and Testing, LLC**		
Name	**Sergio Aviles, PE**	Years of relevant experience with this employer	9
Title	President	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	B.S. / 2001 / Civil Engineering		
Active registration number / state / expiration date	33571 / Louisiana / 03-31-2024		
Year registered 2007	Discipline: Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Geotechnical Project Manager/Design guidance/Field Crew and lab management**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/19-06/20	**PROJECT NO. H.004100:** I-10 Widening LA 415 to Essen LN- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the water borings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Aviles was the project manager to the Geotechnical Investigations. CMAR project
08/16-10/19	**PROJECT NO. H.012422:** I-10/I-110 Interchange Modification at Terrace Ave- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits by A P S Laboratory. Mr. Aviles was the project manager to the Geotechnical Investigations.
11/17-2/18	**PROJECT NO. H.013193:** US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Aviles was the project manager to the Geotechnical Investigations.
11/19-Present	**PROJECT NO. H.001352 AND H.002273:** Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19- A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be the Geotechnical designers for the project. Mr. Aviles is the project manager for the project design team. CMAR project
03/19-05/19	**PROJECT NO. H.001344:** US 190 over Bogue Falaya River- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Aviles is the project manager for the project design team.
12/19-3/20	**PROJECT NO. H.010155:** US 90 Railroad Overpass SE of LA 85- A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendation. Mr. Aviles is the project manager for the project design team.
02/17-10/17	**PROJECT NO. H.002861:** Earhart Expressway/Causeway Boulevard: APS was tasked with developing the LRFD factors for both existing structures and the new elevated sections to connect to Causeway Blvd. Per the task order APS drill and tested 85 borings to 120 feet near the proposed and existing structures. APS engineering staff provides designer with pile tip elevations for five elevated ramps to connect Earhart to Causeway Blvd. Provided boring logs, information on site conditions, site preparation recommendations, and load- length curves. Mr. Aviles is the project manager to the Geotechnical investigations and analysis assigned to help calculating the resistance factors.
07/14-08/14	**PROJECT NO. 700-51-0110:** US 90 elevated portion for the future I-49 corridor. APS performed all the preliminary drilling, testing, and CPT for US 90 and Highway 318 Intersection. A total of 46 boring and 11 CPT along with all the testing required by LADOTD. Mr. Aviles was the project manager to the Geotechnical investigations and analysis as assigned for roads and bridges design.

Firm employed by	**APS Engineering and Testing, LLC**		
Name	**Sairam (Sai) Eddanapudi, M.E., PE**	Years of relevant experience with this employer	9
Title	Chief Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		B.E. / 1999 / Civil Engineering; M.E. / 2002 / Civil Engineering	
Active registration number / state / expiration date		35129 / Louisiana / 03-31-2024	
Year registered	2008	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Geotechnical Engineer/QA/Design 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 years of experience specified in the applicable MPR(s).
09/19-Present	**PROJECT NO. H.004100:** I-10 Widening LA 415 to Essen LN- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the water borings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai was the project QA to the Geotechnical Investigations. CMAR project
08/16-10/19	**PROJECT NO. H.012422:** I-110 Interchange Modification at Terrace Ave- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits by A P S Laboratory. Mr. Sai was QA to the Geotechnical Investigations.
11/17-2/18	**PROJECT NO. H.013193:** US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Sai was QA to the Geotechnical Investigations.
11/19-Present	**PROJECT NO. H.001352 AND H.002273:** Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19- A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be the Geotechnical designers for the project. Mr. Sai is the Senior Design Engineer for the project design team.
03/19-05/19	**PROJECT NO. H.001344:** US 190 over Bogue Falaya River- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Sai is the Senior Design Engineer for the project design.

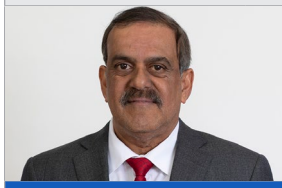
Firm employed by	**APS Engineering and Testing, LLC**		
Name	**Mr. Surendra Raj Pathak, M.S., PE**	Years of relevant experience with this employer	5
Title	Staff Engineer	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		B.E. / 1998 / Civil Engineering; M.Sc. / 2007 / Civil Engineering; MSCE / 2013 / Civil Engineering	
Active registration number / state / expiration date		43487 / Louisiana / 09-30-2023	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Geotechnical Engineer - Review field logs, lab data, and Design 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 years of experience specified in the applicable MPR(s).
09/19-Present	**PROJECT NO. H.004100:** I-10 Widening LA 415 to Essen LN- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the water borings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Surendra was the project QC to the Geotechnical Investigations.
08/16-10/19	**PROJECT NO. H.012422:** I-110 Interchange Modification at Terrace Ave- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits by A P S Laboratory. Mr. Surendra was QC to the Geotechnical Investigations.
11/17-2/18	**PROJECT NO. H.013193:** US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Surendra was QC to the Geotechnical Investigations.
11/17-2/18	**PROJECT NO. H.002273, H.000710, AND H.001352:** Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19: A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 12 deep borings for the new and replacement bridges at Highway 19, 67, and 964. APS tested for strength and engineering characteristics of the soils. Mr. Surendra was QC to the Geotechnical Investigations.
11/19-Present	**PROJECT NO. H.001352 AND H.002273:** Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19- A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be the Geotechnical designers for the project. Mr. Surendra is a design Engineer for the project design team.
03/19-05/19	**PROJECT NO. H.001344:** US 190 over Bogue Falaya River- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Surendra is a design Engineer for the project design team.
12/19-3/20	**PROJECT NO. H.010155:** US 90 Railroad Overpass SE of LA 85- A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendation. Mr. Surendra is a design Engineer for the project design team.

Firm employed by	**G.E.C., Inc.**		
Name	**Thomas Swanson, PE, PTOE**	Years of relevant experience with this employer	16
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: **Traffic Coordination & QA/QC**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***Tom has over 30 years of experience with transportation planning and traffic engineering***	*Mr. Swanson's career began over 40 years ago when he worked as an electrician for the U.S. Navy. He later graduated in Civil Engineering and has focused much of his career on traffic, ITS, & electrical engineering projects since 1992. While in GEC's Electrical Department, Mr. Swanson has provided professional engineering services associated with Stage 0 Feasibility Studies, Stage 1 Environmental Assessments, traffic studies & traffic signal design, traffic data collection & analysis, traffic signal warrant analysis, traffic signal timing & optimization, design of isolated traffic signal intersections, development of traffic control devices plans and computerized signal system design and engineering projects. Mr. Swanson has working knowledge of LADOTD's Sign Manual, Pavement Marking Manual, Traffic Signal Manual, Traffic Engineering Process and Report, and Traffic Engineering Manual. He has completed Modules 1-3 of the Traffic Engineering Process and Report Course offered by LTRC. Mr. Swanson has completed a number of Level 1-4 Transportation Management Plans (TMP), both for ITS and lighting projects. He supports GEC's engineering group by providing traffic engineering analysis and design in support of the production of preliminary plans for the design and development of construction plans for roadway improvement projects.*
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. Mr. Swanson performed the Stage 0 and was involved in the **Transportation Management Plan**.
05/14-12/15	**GNOEC, COLD MILL AND OVERLAY THE EAST AND WEST CAUSEWAY BLVD APPROACHES: Mandeville, LA.** *Traffic Engineer* - Mr. Swanson provided **traffic engineering services** for numerous extended-term data collection of 24-hour counts to mill and overlay the Causeway Blvd. approaches in conjunction with GEC's ongoing contract.
09/19-Present **SECTION 17 PROJECT**	**LASAFE 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 St (LA 44) 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.
2018	**FLEUR DE LIS BLVD IMPROVEMENTS: New Orleans, LA.** *Traffic Engineer* - Mr. Swanson performed a **Highway Safety Analysis** and designed the striping and signage for the roadway, which included crosswalks and roadside parking.
2013	**ESSEN LANE WIDENING, DISTRICT 61: Baton Rouge, LA.** *Traffic Engineer* - Project included widening and improvements of Essen Lane in Baton Rouge between Jefferson Highway and I-10, by adding additional lane in the southbound direction. Mr. Swanson designed modifications and enhancement of existing signals, and the development of a Transportation Management Plan.
04/16-10/16	**H.010843/ORMOND BLVD. REHAB: St. Charles Parish, LA.** *Traffic Engineer* - Mr. Swanson performed traffic counts a new roadway striping plan.
2012 **SECTION 17 PROJECT**	**H.008046 / LA 3152 CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Traffic Engineer* - Mr. Swanson performed a study of the existing alignment and recommended geometric improvements, specifically improvement of the Clearview/Airline Highway and Clearview/Mounes Ave. Intersections. Performed the Stage 0 for the project, and involved in the **Transportation Management Plan** for the construction project.

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 / 03-31-2025		
Year registered 1992	Discipline: Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities	Role on this Project: **Bridge Coordination**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 ***Keith has 30 years of experience with bridge design services***	*Dr. Rebello has 30 years of structural engineering experience following his research work on non-linear deformation behavior of pre-stressed concrete bridges. He has designed and managed a variety of structural projects involving complex interstate and 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 and finite element analysis where required.*
09/20-Present **SECTION 17 PROJECT**	**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. Dr. Rebello performed an investigation of the existing bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This 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. Dr. Rebello's design of the new bridges will provide five lanes of traffic (three through and two turn lanes) in the southbound direction and three lanes of through traffic in the northbound direction. Pedestrian facilities will continue across the bridges and will **feature barriers to separate pedestrians/ bicyclists from vehicular traffic**. (City-Parish Project No. 19-CP-HC-0034)
07/12-Present	**H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Structural Engineer* - This project includes 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. Dr. Rebello is the Project Manager for this project and oversaw the structural design, plan preparation and Q.C.
04/13-Present	**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
08/91-12/92	**S.P. 455-08-0097 / I-49/I-20 INTERCHANGE: Shreveport, LA.** *Project Engineer* - Dr. Rebello was responsible for the design of abutments, bridge bents and the realignment of retaining walls for two intersecting 2-span continuous composite plate girder bridges.
04/19-12/21	**H.013542 / CHEVELLE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: Baton Rouge, LA.** *Structural Project Manager* - This project includes 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 slab span bridge. Both bridges will have pedestrian walks and are located in Baton Rouge, Louisiana. Dr. Rebello is the Project Manager for this project and is overseeing the structural design, plan preparation, quantity estimates, as-designed rating, and quality control.

Firm employed by	**G.E.C., Inc.**		
Name	**Mickey Prattini Jr., PE**	Years of relevant experience with this employer	7
Title	Electrical Section Manager	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization	B.S. / 2004 / Electrical Engineering		
Active registration number / state / expiration date	35993 / Louisiana / 03-31-2025		
Year registered	2011	Discipline	Professional Engineer, Electrical
Contract role(s) / brief description of responsibilities	Role on this Project: **Electrical/Lighting Coordination**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
 **Mickey has 18 years of experience**	*Mr. Prattini's more than 18 years of electrical design experience includes lighting design and quality control, wastewater treatment facilities and lift stations, multiple pump motor installations in hazardous (classified) locations, generator installation projects, and multiple government (municipal and transportation) projects. Mr. Prattini is experienced with NFPA standards required by electrical projects and is capable of completing the design and project management related tasks required for this project. He has consistently managed client and stakeholder relations along with design challenges to produce quality deliverables in line with the project's delivery schedule.*
09/19-Present **SECTION 17 PROJECT**	**LASAFE AIRLINE AND MAIN STREET COMPLETE STREETS: St. John the Baptist Parish, LA.** *Electrical Engineer of Record* - Mr. Prattini designed and supervised the **electrical design of the roadway lighting system**. This project involved the design and illumination of a shared use path along Airline Highway that will connect to Main Street **for improved safety and visibility for visitors of the neighboring park**. This shared use path will accommodate pedestrians and bicyclists. Additional illumination is provided for the parking area of St. John Parish Utilities building, located at the intersection of Main Street and Airline Highway.
06/15-Present	**RETAINER NO. 44-2746, T.O. H.010916 / PRIEN LAKE MAIN SPAN RE-DECK: Lake Charles, LA.** *Quality Control / Electrical Engineer of Record* - Mr. Prattini performed **Quality Control** for this project for one task order, and is the **Electrical Engineer of Record** for a separate task order. Project makeup consists of the following types of roadway lighting standards: 12 ground-mount low mast and 50 barrier-mount low mast. GEC provided design services under two Task Orders and will provide CE&I under a third.
02/16-05/18	**RETAINER NO. 44-2746, T.O. H.003462 / I-12 AT NORTHSHORE BOULEVARD INTERCHANGE LIGHTING: Slidell, LA.** *Quality Control* - Mr. Prattini performed **Quality Control** for this project. Services included design, development of plans and specifications, and CE&I as required.
11/16-02/17	**RETAINER NO. 44-2746, T.O. H.010440 / I-210 OVER CALCASIEU RIVER WEST OF I-10 INTERSTATE LIGHTING: Lake Charles, LA.** *Quality Control*- Mr. Prattini performed **Quality Control**. Services include feasibility study, design, development of plans and specifications, and CE&I as required.
01/17-06/18	**RETAINER NO. 44-2746, T.O. H.012602 / MORRISON ROAD INTERSTATE LIGHTING: New Orleans, LA.** *Quality Control* - Mr. Prattini performed **Quality Control** for this project. Project limits included the I-10 / Morrison Road Interchange. GEC provided design and construction services under two separate Task Orders.
02/17 – Present	**RETAINER NO. 44-2746 & RETAINER NO. 44-11354 T.O. H.012469, US 190: MISSISSIPPI RIVER BRIDGE – NAVIGATION LIGHT REPLACEMENT: Baton Rouge, LA.** *Quality Control / Electrical Engineer of Record* - Mr. Prattini performed **Quality Control** under retainer 44-2746 and **Engineer of Record** under retainer 44-11354. Project makeup consists of installing a new generator, navigation lighting, and aviation lighting. GEC provided design services only under this contract.
6/20-Present	**H.007300 / LADOTD, KANSAS LN. – GARRETT RD. CONNECTOR: Monroe, LA.** *Electrical Engineer of Record* - Mr Prattini is **overseeing the electrical design** of the project. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing.

17. Firm Experience

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Road, Environmental, CEI/OV** **
Project Name	**Sharp Rd.**	Firm responsibility (prime or sub?)	Prime
Project Number	N/A	Owner's Name	St. Tammany Parish Government
Project Location	Mandeville, Louisiana	Owner's Project Manager	Christopher Coervers
Owner's address, phone, email	21454 Koop Dr., Mandeville LA, 70471, (985) 898-2552, cjcorvers@stpgov.org		
Services commenced by this firm (mm/yy)	11/21	Total consultant contract cost ($1,000's)	$ 568
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$ 385

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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GEC is providing preliminary and final construction plans in accordance with AASHTO Standards and the LADOTD Road Design Manual for improvements to Sharp Road in Mandeville, LA. Sharp Road is currently a narrow two-lane roadway with steep open ditches and no shoulders or pedestrian facilities. The purpose of the project is to **increase safety for this heavily trafficked roadway by improving pavement conditions and drainage, along with providing a safe place for pedestrians and bicyclists**.

GEC completed preliminary and final plans in less than 3 months for this project to widen a narrow rural roadway in Mandeville and reduce the number of roadway departure crashes.

GEC's scope includes developing preliminary and final plans to produce bid documents and construction engineering and inspection services for roadway improvements, subsurface drainage installation, sidewalk construction, and adhering to the requirements of the LADOTD Transportation Alternatives Program (TAP) grant funding. The improved design along the approximate 2.5-mile road section includes the addition of sidewalks and subsurface drainage along the north side of the roadway for safer pedestrian access and improved ditches on the south side of the roadway (widening and safer side slopes) for **reduced ponding along the roadway and safety**. Studies show that flattening side slope of ditches and installing subsurface drainage reduces both the number and severity of collisions when compared to sections with steeper side slopes and no subsurface drainage (FHWA Roadside Improvements, 2017). The sidewalks are being funded under the TAP program, which is a federally funded program with a goal of building a more balanced transportation system that includes pedestrians and bicyclists as well as the motoring public. The pedestrian features include the addition of a 5-to-7-ft. sidewalk along the north side of the roadway with associated subsurface drainage, pedestrian crossings, ADA-accessible ramps, signage, striping, and rumble strips. This will provide a safe route for pedestrians and bicyclists to access neighborhoods and surrounding key destinations. **GEC's design also includes standard safety features, including rumble strips, visible lane markings, shoulder wedge, guardrails, and safety end treatments.**

GEC is also providing the hydraulic design in accordance with the current edition of the LADOTD Hydraulics Manual. GEC Environmental staff performed an analysis on potential environmental constraints to identify any major community issues impacted by the project during construction and operational phases of the project. GEC is providing all permitting services, including Wetland permits (404 and Nationwide) and Section 10 permits from USACE and Scenic Rivers permit (as applicable). Other GEC services include project status reports, pre-bid and preconstruction meetings, and submission of design schedule. GEC is overseeing geotechnical investigations, analysis, and design, along with surveying and title work services to perform topographic and boundary surveying. Upon completion of design, GEC will provide construction engineering inspection services.

FIRM MEMBERS INVOLVED: *Cary Bourgeois, PE, Jerome Lohmann, PE, Christopher Nipper, PE, Brandon Abbott, EI, Jonathan Puls, PE, Jeff Robinson, PE*

Firm Name	**G.E.C., Inc.**			Past Performance Evaluation Discipline(s)*	**Road** **
Project Name	**US 11 Improvements at Schneider Canal**			Firm responsibility (prime or sub?)	Prime
Project Number	H.011435	Owner's Name	St. Tammany Parish Government, LADOTD		
Project Location	Slidell, Louisiana			Owner's Project Manager	Donna O'Dell
Owner's address, phone, email	21490 Koop Drive, Mandeville, LA 70471, (985) 898-2522, dsodell@stpgov.org				
Services commenced by this firm (mm/yy)	03/15	Total consultant contract cost ($1,000's)	$ 4,900		
Services completed by this firm (mm/yy)	08/16	Cost of consultant services provided by this firm ($1,000's)	$ 442		

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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GEC designed improvements to US Hwy 11 at its intersection with the St. Tammany Parish flood protection levee near Lake Pontchartrain. The Parish funded design of the project and LADOTD funded construction. GEC accomplished all aspects of design with its own in-house personnel, excluding geotechnical services. GEC produced all plans and specifications for the improvements to this state route in accordance with LADOTD standards. GEC understood the importance of this project to St. Tammany Parish and, to ensure that the Parish did not lose Federal funding, GEC submitted final stamped plans to LADOTD for advertisement with the Parish's approval before receiving a signed contract from the Parish. This project was also the first project ever designed with LADOTD specifications that included a levee. Construction of the project was completed in 2018.

Originally a two-lane rural roadway with open ditches, GEC redesigned the state route as a divided four-lane road section with 10-ft. shoulders and raised median, incorporating full-width shoulders and curb and gutter drainage. The project also elevated US 11 approximately 10-ft. at the levee so that ongoing construction of the levee (in separate projects by the Parish) could continue without a break in flood protection at the highway. Approximately 2,300-ft. of the highway remained on-grade on embankment. The project was further complicated by the presence of Schneider Canal (approximately 90-100-ft. wide) which was directly adjacent and parallel to the levee. GEC redesigned the large triple-barrel box culvert cross drain under US 11 for Schneider Canal from its original 70-ft. length to 200-ft.

The addition of the 10-ft. shoulders provides **accessibility and a dedicated area for pedestrians and bicyclists while the drainage improvements reduce the risk of road flooding and water hazards for motorists.** GEC's design also incorporated protected turn and merge lanes along this non-signalized section, providing improved safety for motorists. Due to the absence of traffic signals, GEC engineers were required to perform extensive calculations to ensure optimal and safe function of traffic along the roadway. **Other safety modifications of the project included signage and striping improvements and intersection safety modifications.** A well-planned 3-phase sequencing plan enabled maintenance of traffic throughout construction. GEC staff also performed a level 2 Transportation Management Plan (TMP).

The addition of a bike path provides accessibility and safety for pedestrians while the drainage improvements reduce the risk of road flooding and water hazards for motorists.

FIRM MEMBERS INVOLVED: *Jerome Lohmann, PE*

Firm Name	**G.E.C., Inc.**			Past Performance Evaluation Discipline(s)*	**Road, Traffic, Bridge** **
Project Name	**Bluebonnet Blvd. (Perkins Road to Picardy Avenue)**			Firm responsibility (prime or sub?)	Prime
Project Number	City-Parish Project No. 19-CP-HC-0034		Owner's Name	City-Parish of East Baton Rouge	
Project Location	Baton Rouge, Louisiana			Owner's Project Manager	Tom Stephens, PE
Owner's address, phone, email	PO Box 1471, Baton Rouge, LA 70821, (225) 389-3186, tstephens@brla.gov				
Services commenced by this firm (mm/yy)		09/20	Total consultant contract cost ($1,000's)		$ 1,885
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm ($1,000's)		$ 995

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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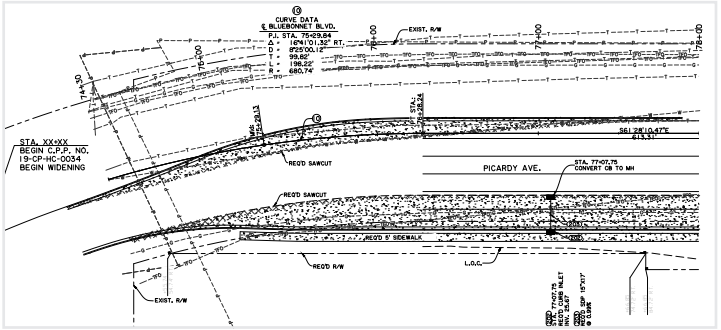
GEC completed a design study, preliminary plans, and is currently 95% complete with the final design for the widening of Bluebonnet Blvd. from Perkins Road to Picardy Avenue and replacement of the existing bridges over Dawson Creek in accordance with MOVEBR Design Guidelines and the LADOTD Road Design Manual.

The traffic study identified two intersection locations along the corridor that had crash rates greater than twice the statewide average, one intersection that was on LADOTD's high PSI list, and a segment that is on LADOTD's high PSI segment and overrepresented crashes for rear-end and side-swipe crashes. Three pedestrian crashes occurred during the 3-year analysis period, all at the same intersection, and the Bicycle Planning Tool showed the entire corridor having a poor bicycle LOS.

GEC's design includes widening from four-lanes to a six-lane, curb and gutter boulevard with protected turn lanes, subsurface drainage, green infrastructure, and pedestrian facilities. To improve safety for both vehicular and pedestrian traffic, GEC consolidated and removed driveways and altered parking encroachments along the corridor for improved access management principles. GEC's design includes a 10-ft. wide shared use path on the west side, a 5-ft. wide sidewalk on the east side, **painted bike lanes, roadway markings, flashing beacons, bus stops, refuge islands, roadway warning lights, high visibility crosswalks, and planting buffers for improved pedestrian safety, accessibility, and mobility to area facilities.** Other safety features implemented in GEC's design includes **extended turn lanes, upgraded signage, signal improvements, highly visible lane markings, protected merge and turn lanes, and rumble strips.** GEC staff performed a level 2 Transportation Management Plan (TMP).



To improve safety for both vehicular and pedestrian traffic, GEC consolidated and removed driveways and altered parking encroachments along the corridor for improved access management principles.

GEC also provided a hydraulic analysis for the Dawson Creek Bridge replacement and a study of the existing bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. GEC recommended that the existing bridge be replaced. The new bridges will provide five lanes of traffic (three through and two turn lanes) in the southbound direction and three lanes of through traffic in the northbound direction. **The pedestrian facilities will continue across the bridges and will feature barriers to separate pedestrians/bicyclists from vehicular traffic.**

GEC is also participating in public and other agency meetings.

FIRM MEMBERS INVOLVED: *Cary Bourgeois, PE, Keith Rebello, PhD, PE, Jerome Lohmann, PE, Chris Nipper, PE*

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Road, Traffic, Environmental, CE&I/OV, Survey, Geotechnical**		**
Project Name	**LASAFE Airline and Main Complete Streets**			Firm responsibility (prime or sub?)	Prime
Project Number	N/A	Owner's Name	St. John the Baptist Parish		
Project Location	Laplace, Louisiana		Owner's Project Manager	Rene Pastorek	
Owner's address, phone, email	1811 W. Airline Hwy., LaPlace, Louisiana 70068, (985) 651-5565 ext. 1154, r.pastorek@stjohn-la.gov				
Services commenced by this firm (mm/yy)	09/19	Total consultant contract cost ($1,000's)	$ 1,160		
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$ 1,160		

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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GEC provided all necessary engineering design in accordance with LADOTD standards for the Airline and Main Complete Streets project, a resilient infrastructure and community nonstructural mitigation/flood risk reduction project now under construction in LaPlace, LA. The vision for this project is to demonstrate how to plan for a future of heightened flood risk in a low-risk area by incorporating storm water management strategies into public infrastructure projects while providing residents with enhanced and safer active transportation options. This presented an opportunity to retrofit the corridor into a safer, more walkable, livable space while remaining consistent with LADOTD project guidelines.

GEC designed a retrofit of the corridor into a safer, more walkable, livable space while remaining consistent with LADOTD project guidelines.

GEC's scope of services ranged from engineering design, environmental permitting, traffic engineering, topographic survey, SUE, geotechnical investigation, water and sanitary sewer relocation, hydrologic and hydraulic analysis, landscaping services (green infrastructure), and construction management and inspection services. GEC staff also completed a Level 2 Transportation Management Plan (TMP) for the project. The traffic study, completed by GEC, identified locations of high potential for safety improvements based upon crash data; these areas include the segment of LA 44 and five intersections. The corridor also had an abundance of driveways open for the entire frontage of the properties. There was a lack of continuous sidewalks with ADA compliance and the overall pedestrian environment was not conducive to the safe passage of bicycles and pedestrians. GEC's design included a curb and gutter corridor with 10-ft. lanes, 7.5-ft. parallel parking areas, bike lanes, multi-use paths, sidewalks and striped crosswalks. This design included 5-ft. sidewalks along both sides of LA 44 for **improved accessibility and mobility and curb bump outs to reduce the crosswalk distances and eliminate parking within the vicinity of the crosswalks to improve sight distance of pedestrians at the crossings. The reduced travel lane widths, replacing the shoulder with a bike lane, and constructing parallel parking, curbing, sidewalks, and landscaping helped to provide a traffic calming effect to keep vehicle speeds lower.** Other safety improvements included eliminating pull-in parking, high-visibility crosswalks, pedestrian warning signs, and upgraded signage and striping. Existing ditches were reshaped to add subsurface drainage and bioswale type enhancements to reduce runoff erosion and provide a level of storm water filtration. GEC also provided design and illumination of the shared use path along LA 44 that connects to Main St. (LA 44). This includes **additional illumination design for improved safety and visibility for visitors of the neighboring park**, which contains educational components related to LASAFE strategies that have been incorporated into the design. Along Main St., which has been rehabbed with a mill and overlay, GEC incorporated green infrastructure solutions, including providing parallel parking utilizing decorative brick and permeable base to reduce time of concentration.

GEC conducted field surveys for a wetland delineation within the project footprint and prepared a wetland delineation report that was submitted to the New Orleans Corps of Engineers to request a Preliminary Jurisdictional Determination (JD). GEC also prepared and submitted Corps of Engineers Section 404 Wetland permit application, Louisiana Department of Natural Resources Coastal Use permit application, and requested a Letter of No Objection from the Pontchartrain Levee Board for activities proposed within 1,500 feet of the Mississippi River Main Line Levee. GEC coordinated with all three agencies through the completion of each permit or request.

GEC engineers calculated preliminary and final quantities and developed the final estimated construction cost. The final engineering plans and specifications have been completed in accordance with the LADOTD Roadway Design Procedures and Details Manual. Additionally, staff developed fees for all costs from surveying to construction. The project is currently under construction with an estimated completion of June 2023.

FIRM MEMBERS INVOLVED: *Cary Bourgeois, PE, Jerome Lohmann, PE, Christopher Nipper, PE, Jonathan Philley, EI, Mickey Prattini Jr., PE, Jeff Robinson, PE, Tom Swanson, PE, PTOE, Brian Buckel, PE*

Firm Name	**G.E.C., Inc.**			Past Performance Evaluation Discipline(s)*	**Road, Traffic, Survey** **
Project Name	**LA 3152: Clearview Operational Improvements**			Firm responsibility (prime or sub?)	Prime
Project Number	H.008046	Owner's Name	Jefferson Parish Government		
Project Location	Jefferson Parish, Louisiana		Owner's Project Manager	Mark Drewes, PE	
Owner's address, phone, email	1221 Elmwood Park Blvd., New Orleans, LA 70123, (504) 736-6783, JPPW@jeffparish.net				
Services commenced by this firm (mm/yy)	08/14	Total consultant contract cost ($1,000's)		$ 120	
Services completed by this firm (mm/yy)	08/17	Cost of consultant services provided by this firm ($1,000's)		$ 120	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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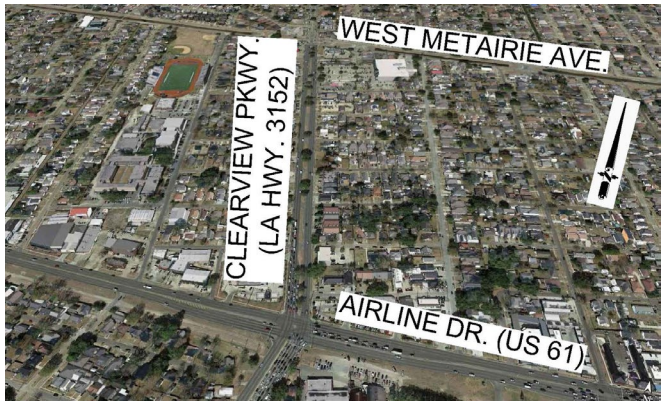
GEC provided engineering design services for the implementation of a Regional Planning Commission study of the Clearview Parkway corridor which is part of the LA Hwy 3152 Route in Jefferson Parish. GEC's scope included **improvements to the traffic flow and safety** for approximately 3,000 linear feet of the corridor, from Airline Drive (US Hwy 61) to West Metairie Avenue. The emphasis of this project was on short-term **Transportation System Management (TSM)** capacity and operational measures to facilitate increased traffic flow resulting from the recent Huey P. Long Bridge widening.

GEC's scope also included modifications to the median to provide left turn lanes, modifications to the intersections to provide right turn lanes, construction of new sidewalks and handicap ramps at all intersections to implement the Complete Streets concept, **a complete cold mill and overlay of the corridor, and new pavement marking and signage.** An additional turn lane was provided at Airline Drive. Waterlines with fire hydrants which were located in the median had to be relocated to accommodate the changes.

GEC provided the following services:

- field reconnaissance
- intersection safety, operational, and accessibility analysis
- traffic signal review for improved turning movements and queuing at intersections
- managed the topographic survey
- opinions of probable construction cost
- preparation of construction plans for bidding by LADOTD
- preparation of special technical specifications for bidding

GEC provided the complete design of the corridor, along with intersection safety, operational, and accessibility analysis.



FIRM MEMBERS INVOLVED: *Jerome Lohmann, PE, Christopher Nipper, PE, Alejandro Flores, Thomas Swanson, PE, PTOE*

Firm Name	**NTB Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Survey**	**
Project Name	**I-20: Monkhouse to I-49, Route I-20**		Firm responsibility (prime or sub?)	Prime	
Project Number	4400017713 / H.010468.5	Owner's Name	LaDOTD Baton Rouge		
Project Location	Caddo Parish, LA		Owner's Project Manager	Barrett Smith, PLS	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, (225) 379-1133, barrett.smith@la.gov				
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost ($1,000's)		$ 1,354	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$ 1,296	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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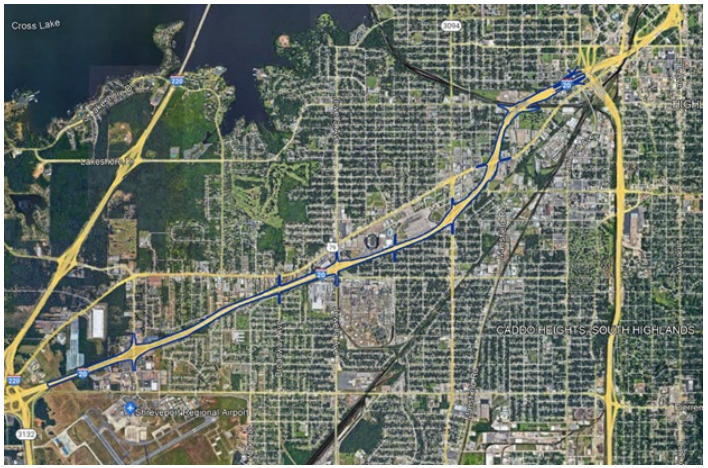
NTBA is performing Static GPS Control, topographic surveying services, HDS 3D Terrestrial Laser Scanning, and QL C & D subsurface utility investigation for interstate rehabilitation. Surveys and utility investigation are being performed along I-20 beginning approximately 4,200 ft. southwest of the intersection of Monkhouse Dr. and I-20 and proceed in a northeasterly direction along I-20 ending at the westerly end of the I-20/I-49 interchange, with total linear distance of approximately 4.89 miles. Monkhouse Drive, Jewella Avenue, Hearne Avenue, Greenwood Road, Texas Avenue, and Lakeshore Drive. NTBA managed our sub-consultant, E.S.P. Associates, P.A., for Mobile Laser Scanning Services of hard surfaces along the route. NTBA performed data extraction of mobile scan data for incorporation into Inroads and for Point Cloud delivery.

The areas included major thoroughfares, surface streets, railroad rights-of-way, and drainage canals. MicroStation files were the deliverable for the project. All services completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automated procedures.

FIRM MEMBERS INVOLVED: *Bryan Bunch, PLS, Mike King, PLS*



Firm Name	**NTB Associates, Inc.**			Past Performance Evaluation Discipline(s)*	**Survey** **
Project Name	**LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI)**			Firm responsibility (prime or sub?)	Prime
Project Number	4400017713		Owner's Name	LaDOTD Baton Rouge	
Project Location	Orleans Parish, LA			Owner's Project Manager	Barrett Smith, PLS
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, (225) 379-1133, barrett.smith@la.gov				
Services commenced by this firm (mm/yy)		12/20	Total consultant contract cost ($1,000's)		$ 588.4
Services completed by this firm (mm/yy)		03/22	Cost of consultant services provided by this firm ($1,000's)		$ 588.4

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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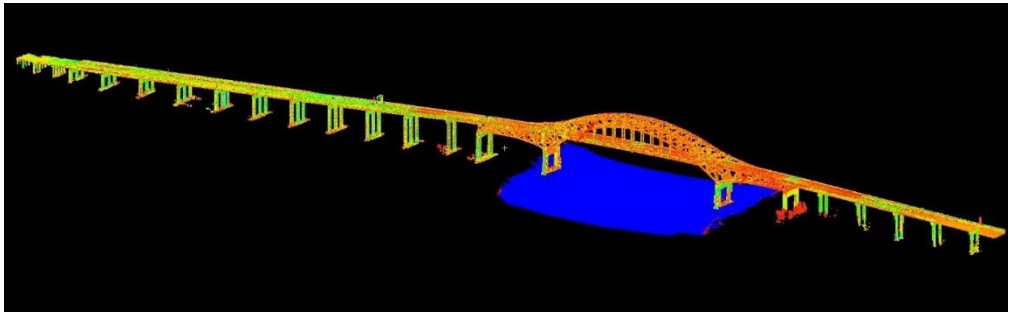
The LA 47: IWGO Bridge Rehabilitation Project is 6,622 feet long Historic Bridge Improvement (HBI) project connecting New Orleans East and Chalmette across the Intercoastal Waterway Gulf Outlet in Orleans Parish. The "Preservation Priority" bridge consists of concrete slab spans, pre-stressed girder spans, welded steel plate girder spans, and tied-arch girder truss spans. NTBA's services on the project entailed installation of six deep rod monuments, topographic surveys, establishing a Static GPS Control Network, HDS 3D Terrestrial Laser Scanning, hydrographic surveying, and QL C, and D Subsurface Utility Engineering Services. From the data collected, NTBA developed surface models to provide drawings of specified piers, joint, and truss locations at 4 separate times as deliverables. NTBA also provided traffic control coordination of a complete closure of the bridge from Friday at 8pm until Monday at 5am on 4 separate occasions to complete the project on time, within budget and with minimal disruption to the public and local businesses.

All services were completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automated procedures.

FIRM MEMBERS INVOLVED: *Bryan Bunch, PLS, Mike King, PLS*



Firm Name	**NTB Associates, Inc.**	Past Performance Evaluation Discipline(s)*	**Survey** **
Project Name	**I-10: LA 415 to Essen Lane on I-10 and I-12**	Firm responsibility (prime or sub?)	Prime
Project Number	H.004100.5	Owner's Name	LaDOTD Baton Rouge
Project Location	West & East Baton Rouge Parishes, LA	Owner's Project Manager	Nicholas J. 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)	12/17	Total consultant contract cost ($1,000's)	$ 7,192
Services completed by this firm (mm/yy)	07/20	Cost of consultant services provided by this firm ($1,000's)	$ 3,824

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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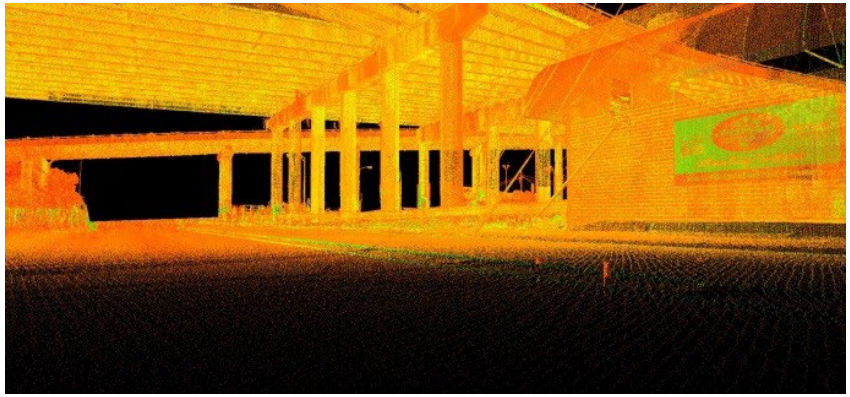
NTBA performed Static GPS Control, topographic surveying services, and HDS 3D Terrestrial Laser Scanning for approximately 10 miles of the project corridor of I-10 and 1.5 miles of the project corridor of I-12 in West Baton Rouge and East Baton Rouge Parishes beginning 1,500 feet west of the entrance/exit ramps of LA 415 and I-10 interchange and ending 500 feet past the gore of the exit/entrance ramps of the Essen Lane Intersection on both I-10 and I-12. NTBA performed the topographic survey of the designation of utilities performed by Cardno as well as NTBA crews to prepare utility maps. This task involved major coordination efforts to schedule field crews in conjunction with Cardno's designating crew to ensure that utility markings were collected timely and correctly. NTBA also developed surface models from LiDAR data obtained from our field crews as well as those of the three other sub-consultants. This involved extensive coordination with the sub-consultants to ensure that the surfaces were seamless at the transitions between the different surveys.

The areas included major thoroughfares, surface streets, railroad rights-of-way, and drainage canals. MicroStation files were the deliverable for this project. NTBA was the prime consultant and in direct supervision and control of seven sub-consultants with multiple project milestones. This project was completed in accordance with the most current edition of the Location and Survey Manual and all currently accepted Location and Survey Automation procedures.

FIRM MEMBERS INVOLVED: *Bryan Bunch, PLS, Mike King, PLS*



Firm Name	**Vectura Consulting Services, LLC**		Past Performance Evaluation Discipline(s)*	**Traffic**	**
Project Name	**I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study**		Firm responsibility (prime or sub?)	Sub	
Project Number	H.004957.5	Owner's Name	LADOTD		
Project Location	Lacombe, LA		Owner's Project Manager	Joachim C Umeozulu, P.E	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1386, Joachim.Umeozulu@la.gov				
Services commenced by this firm (mm/yy)	09/16	Total consultant contract cost ($1,000's)		$1,895.000	
Services completed by this firm (mm/yy)	05/17	Cost of consultant services provided by this firm ($1,000's)		$84.000	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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As part of the DOTD TIMED program, Vectura prepared a formal traffic study for the new alignment of LA 3241. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management and complete streets. The study included analyses for intersection and corridor improvements such as median openings, spacing of openings, signalized, unsignalized and roundabout intersections.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- 7-day (mainlines) and 2-day (side streets) 24-hour tube counts with vehicle classification
- Turning movement counts for morning and evening peak periods
- 15-minute driveway counts
- Traffic Signal warrants, radar speed studies and sight distance evaluation
- Developed growth rate methodology and AM and PM peak forecast traffic volumes

Task 2 Traffic Study

This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1 and

DOTD Traffic Engineering Manual Section 20.2. This task included the following elements:

- Performed Vistro and Sidra analyses for existing conditions
- Performed Vistro and Sidra analyses for Implementation and Design Years.
- Intersection alternatives included restricted median openings, signalized and unsignalized intersections, median U-turns at existing signal locations, restricted crossing U-turn (RCUT) intersections, and roundabouts
- Developed Vissim model of the preferred corridor layout
- Developed Draft Traffic Study Report (3 copies)

Task 3 Safety Analyses

- Developed 3-year crash analyses report as per DOTD standards

FIRM MEMBERS INVOLVED: *Brin Ferlito, Laurence Lambert*

Firm Name	**Vectura Consulting Services, LLC**			Past Performance Evaluation Discipline(s)*	**Traffic** **
Project Name	**East Baton Rouge Parish MOVEBR ($912 Million Dollar) Program**			Firm responsibility (prime or sub?)	Sub
Project Number	CP No. 19-CS-HC-0001		Owner's Name	East Baton Rouge Parish	
Project Location	Baton Rouge, LA		Owner's Project Manager	Tom Stephens, PE	
Owner's address, phone, email	1100 Laurel Street Baton Rouge, LA 70802, (225) 389-3186 ext 5634, TStephens@brla.gov				
Services commenced by this firm (mm/yy)	07/19		Total consultant contract cost ($1,000's)	unknown	
Services completed by this firm (mm/yy)	12/22		Cost of consultant services provided by this firm ($1,000's)	$873	

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.
**This field cannot be left blank and N/A is not acceptable. The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).

As part of the East Baton Rouge Parish MOVEBR ($912 Million Dollar) Program, Vectura currently provides traffic engineering services for all Capacity Projects. Vectura routinely collaborated with EBR Parish and DOTD Stakeholder such as Section 27, Safety Section, and DOTD District 61. The primary task was to peer review all traffic related deliverables from consultants for 25 capacity projects to date. Submittal review in various stages included but not limited to the following:

Scope

- Purpose and need, contract scopes, manhours and fees

Data Collection

- Raw tube counts, peak period determination, signalized / unsignalized intersection turning movement counts, unmet demand, explanation for any count discrepancies, speed data, peak period observations, geometric field documentation, sight distance, warrants analyses

Design Year Volume Development

- Travel Demand Model data, Growth rate methodologies in accordance with NCHRP 765, design year volume development

Existing and No Build Analyses

- HCS, Synchro, SIDRA, VISSIM, analyses for existing and No Build conditions based on traffic volumes, lane usage, truck percent, required SIDRA roundabout settings, speed, and Traffic Signal Inventory form information
- CATScan, collision diagrams, conflict points, crash analyses report as per DOTD standards
- Defined problems

Tier 1

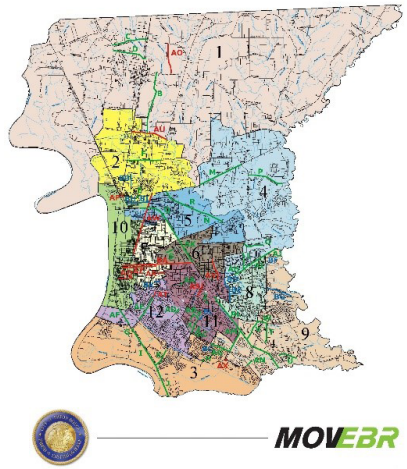
- Preliminary high-level list of alternatives based on defined problems and established comparison criteria.

Build Year Alternative Analyses

- Reviewed traffic volume redistribution, alternative conceptual layouts included access management, restricted median openings, signalized /unsignalized intersections, median U-turns at existing signal locations, RCUT intersections, and roundabouts
- Turn lane calculations, AutoTURN, construction cost estimates

Design

- Confirmed design plans matched recommendations in the Traffic and Design Studies
- Reviewed construction plans including geometric layout, striping, signs, roundabout and traffic signal design
- Plan in Hand, coordinated with EBR TED, DOTD, utilities, consultant team



FIRM MEMBERS INVOLVED: *Brin Ferlito, Laurence Lambert, Reece Rodrigue*

Firm Name	**Vectura Consulting Services, LLC**	Past Performance Evaluation Discipline(s)*	**Traffic** **
Project Name	**LA 1 at LA 990 Crosswalk Study and Traffic Signal Design**	Firm responsibility (prime or sub?)	Prime
Project Number	H.011558	Owner's Name	West Baton Rouge Parish Government
Project Location	Slidell, LA	Owner's Project Manager	Kevin Durbin, PE, AICP
Owner's address, phone, email	880 N. Alexander Avenue Port Allen, LA 70767 (225) 336-2434 Kevin.Durbin@wbrcouncil.org		
Services commenced by this firm (mm/yy)	11/20	Total consultant contract cost ($1,000's)	$22.000
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm ($1,000's)	$22.000

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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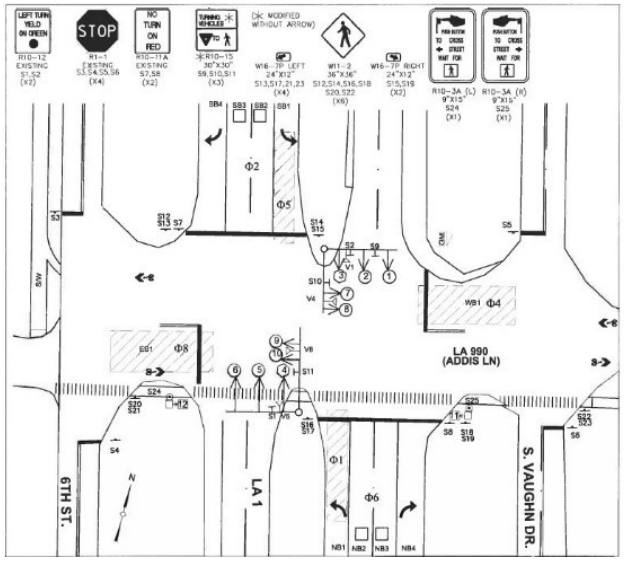
Vectura was hired by West Baton Rouge Parish to perform a Crosswalk Traffic Engineering study and to develop Traffic Signal Design plans for the intersection of LA 1 and LA 990 (Addis Lane) in Addis, LA. The crosswalk was first conceptualized as part of a trail that connects the Mississippi River Trail to points west of LA 1 in the West Baton Rouge Parish Comprehensive Plan (PlanWEST) dated 9/22/11 as well as included in a Stage 0 report titled CMAQ Proposal WBR-2 dated 04/30/14.

A Crosswalk Traffic Engineering Study was performed based on the Traffic Engineering Manual (TEM) Section 3B.2.9, Section 20.2 & EDSM VI.3.1.6 Section 5 and included the following elements:

- Collected 24-hour traffic approach volumes, speed data, crash history and sight distance
- Collected AM and PM peak hour vehicle and pedestrian turning movement counts
- Developed safety analyses using 3-year crash data from Crash1 as per DOTD standards
- Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9
- Performed AM and PM Peak signal timing and progression for existing conditions
- Performed AM and PM Peak signal timing and progression for future conditions



Traffic Signal Construction Plans was performed for LA 1 at LA 990 based on the latest DOTD Traffic Signal Inventory v3.2, DOTD Signal Design Manual, MUTCD & EDSM VI.3.1.6 Section 5. This task included signal timing parameter calculations, signal equipment layout, wiring diagram, DOTD pay items, estimated quantities and construction cost. Vectura also assisted with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.

FIRM MEMBERS INVOLVED: *Brin Ferlito, Laurence Lambert, Reece Rodrigue*

Firm Name	**APS Engineering and Testing, LLC**			Past Performance Evaluation Discipline(s)*	**Geotech** **
Project Name	**I-10 Widening LA 415 to Essen LN**			Firm responsibility (prime or sub?)	Sub
Project Number	H.004100	Owner's Name	LADOTD		
Project Location	Baton Rouge, LA			Owner's Project Manager	Kristy Smith, P.E.
Owner's address, phone, email	1201Capitol Access Rd., Baton Rouge, La. 70802-4438, 225-379-1016, Kristy.Smith2@la.gov				
Services commenced by this firm (mm/yy)	09/19	Total consultant contract cost ($1,000's)			N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)			$ 400

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
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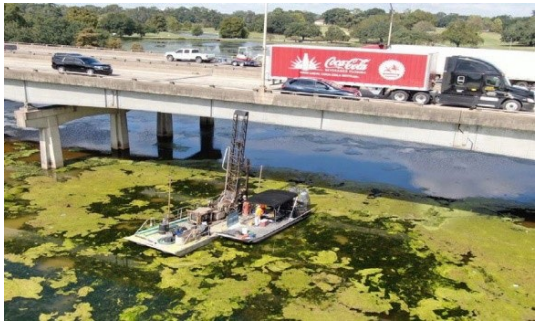
Geotechnical Investigation to provide client with the necessary information for planning and design I-10 widening. A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. Along with this drilling and sampling, A P S will also test for strenght and engineering characteristics of the soils a total of eight (8) over the water borings and 44 land borings with approximate 1000 triaxial compression, consolidated drained or undrained (UU) and atterberg limits.

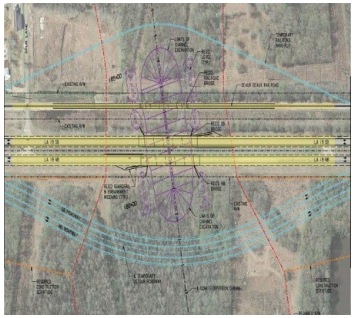


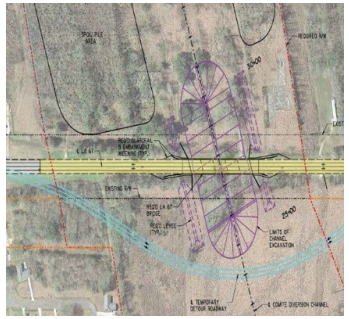
FIRM MEMBERS INVOLVED: *Sergio Aviles, PE, Sai Eddanapudi, M.E., PE, Surendra Raj Pathak, M.S., PE*

Firm Name	**APS Engineering and Testing, LLC**	Past Performance Evaluation Discipline(s)*	**Geotech** **
Project Name	**Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge**	Firm responsibility (prime or sub?)	Sub
Project Number	H.001352 and H.002273	Owner's Name	Huval & Associates, Inc.
Project Location	East Baton Rouge Parish, LA	Owner's Project Manager	Thomas M. Gattle, III, P.E.
Owner's address, phone, email	922 West Pont Des Mouton Road Lafayette, LA 70507, Wk: (337) 234-3798 Fax: (337) 234-2475, tgattle@huvalassoc.com		
Services commenced by this firm (mm/yy)	05/20	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$ 115

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.
**This field cannot be left blank and N/A is not acceptable. The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).

Geotechnical engineering to provide client with the necessary information for planning and build of LA 19 RR bridge – slope stability (embankment), LA 19 RR Bridge – Embankment / MSE Wall Settlement/Retaining Wall, LA 19 Twin Bridges – PPC Piles, LA 67 Bridge – Drilled Shafts. All the necessary design will be done. A P S no T.O. issued as of today. A P S also drilled and sampled all the borings for DOTD thru the Geotechnical Retainer and tested in house by A P S Laboratory.





FIRM MEMBERS INVOLVED: *Sergio Aviles, PE, Sai Eddanapudi, M.E., PE, Surendra Raj Pathak, M.S., PE*

Firm Name	**APS Engineering and Testing, LLC**			Past Performance Evaluation Discipline(s)*	**Geotech** **
Project Name	**US-90 Railroad Overpass (S. East of LA-85)**			Firm responsibility (prime or sub?)	Sub
Project Number	H.010155	Owner's Name	SHREAD-KUYRKENDALL & ASSOCIATES, INC.		
Project Location	Iberia Parish, LA			Owner's Project Manager	Nicci D. Gill
Owner's address, phone, email	13016 Justice Ave. Baton Rouge, LA 70816 (225) 296-1335, (225) 296-1338 (fax), ngill@skaengr.com				
Services commenced by this firm (mm/yy)	11/19	Total consultant contract cost ($1,000's)			N/A
Services completed by this firm (mm/yy)	03/20	Cost of consultant services provided by this firm ($1,000's)			$ 105

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.
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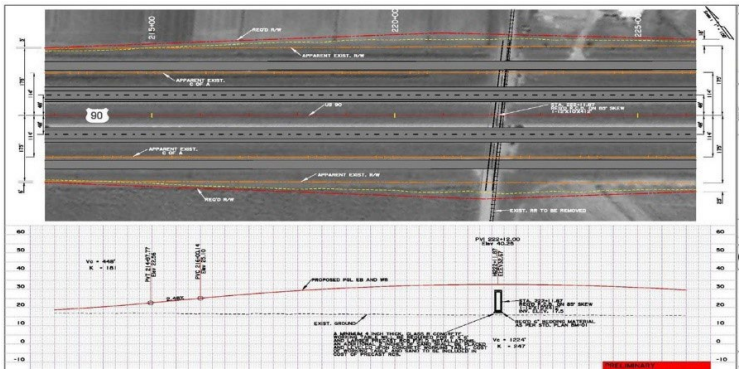
Geotechnical investigation to provide client with the necessary information for planning and design of a 12 ft. x 10 ft. RCP, 412 ft. in length. A total of six (6) deep borings were completed by APS. Over 60 atterbergs and UU were tested by APS with 18 consolidation tests. All the necessary testing done by in house by APS Laboratory.

FIRM MEMBERS INVOLVED: *Sergio Aviles, PE, Sai Eddanapudi, M.E., PE, Surendra Raj Pathak, M.S., PE*



Section 18

This graphic outlines some example project types and scope elements that may be issued as a part of this contract, considerations to approach, similar projects, and past performance narratives.

The GEC Team is equipped with lessons learned and the knowledge of how to proactively approach these various types of projects to provide successful and timely deliverables.

LOW COST SAFETY IMPROVEMENTS FOR PRR PROJECTS

APPROACH: Assess existing conditions and crash reports, complete the Safety Assessment Process Checklist, follow Guidance for PRR Projects, 3R Minimum Design Guidelines, and LADOTD Road Design Manual to implement low cost safety improvements commonly used in PRR projects.

STANDARD ROADWAY SECTION WITH ABNORMAL CRASHES

APPROACH: Consider countermeasures such as flattening foreslopes, using shoulder wedge, evaluating signage and striping, widening, providing shoulders, flatten ditches, rumble strips, turn lanes, realign curves, and other countermeasures.

HORIZONTAL/VERTICAL CURVES

APPROACH: Remove obstacles or delineate areas with advance signing, utilize raised reflective pavement markers, and use shoulder wedge where possible. Consider widening lanes and/or paving shoulders.

SIGNALIZED INTERSECTIONS

APPROACH: Consider advanced warning signs or overhead or ground mounted lane use signing, supplemental signal heads, advanced detection control systems, pedestrian signals, higher visibility crosswalks, flashing yellow turn signals, re-examine warrants and sight distance, or re-analyzing traffic counts and overall signal timings.

STOP CONTROLLED INTERSECTIONS

APPROACH: Consider countermeasures such as transverse rumble strips, flashing beacons, advanced warning signs, adjusting signs, or doubling up signs.

DOTD PAST PERFORMANCE NARRATIVES

"The consultant demonstrated an effective knowledge of DOTD's policies and procedures and was responsive to modifications to those procedures at the request of DOTD. The submitted plans were of very high quality and were very comprehensive for preliminary plans."

"It was apparent throughout the plan development and submittal process that the consultant has very good understanding of the structural design of a very complex structure. The deliverables were thorough and of good quality."

"The consultant submitted a very good set of final plans. The consultant addressed the final plan comments quickly and correctly."

"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 staff was very deligent with analyzing the contractor's CPM schedule. They assisted the Department with analysis of contractor claims for time due to utility delays etc. Were always very responsive to any questions or concerns that the Department had."

GEC

18. Approach and Methodology

IDIQ Contract for Roadway Design Safety

Summary of Experience

G.E.C., Inc. (GEC) is pleased to offer LADOTD a team significantly experienced in the delivery of LADOTD projects, which includes projects that aim to improve safety across the state.

> GEC, along with team members NTB Associates, Inc. (NTBA), APS Engineering & Testing, and Vectura Consulting Services, LLC (Vectura) a DBE firm, provides LADOTD all required services to meet the needs of this IDIQ contract.

This team will offer LADOTD a full-service suite of professionals to perform the anticipated typical services required as a part of this contract including: surveying, traffic control design, traffic signal analysis and design, transportation management plans (TMPs), preliminary and final roadway plans, cost estimates, hydraulic analysis and design, road design services during the environmental process, development of special provisions, design exceptions and waivers, quality plan reviews, construction support, and more to provide the highest quality and success for projects to advance to successful construction.

Scope Understanding

The GEC Team understands the importance of the State of Louisiana having an IDIQ as a valuable tool to assist in delivering safety improvement projects. The safety section at LADOTD is recognized for their continual improvement of safety for all users of Louisiana's highway system through the implementation of the highway safety program, with a goal of Destination Zero Deaths. The Strategic Highway Safety Plan (SHSP) outlines various ways to improve safety throughout the state. One of the emphasis areas in this plan is "infrastructure and operations" in which 87% of fatalities and 80% of serious injuries between 2016-2020 in Louisiana involved infrastructure or operations. An abundance of data has been collected as a part of the SHSP, which has culminated in the development of dashboards, hot spots, toolboxes, and trend data that help to identify locations that are in need of safety improvements. Some strategies identified for this emphasis area that may be addressed in these projects issued as a part of this IDIQ include: (1) reducing non-motorized user fatalities and serious injuries, (2) reducing crashes at intersections for all users, and (3) reducing the number of fatalities and serious injuries related to roadway departure.

> GEC understands the systemic approach to safety projects and that safety is the highest priority of the LADOTD. In 2021, an average of three people were killed and five people were seriously injured every day in Louisiana. Projects under this Safety IDIQ will aid in reducing the tragic human and economic toll of fatal and serious injury crashes in Louisiana.

Approach

The GEC Team implements protocols to ensure effective task order management, not only as it relates to this project, but all projects GEC is contracted to complete.

GEC's Project Manager, Jerome Lohmann, PE, will serve as primary contact and will submit deliverables in adherence to the approved schedule. **For over 39 years, he has managed and designed numerous road projects to LADOTD standards.** This includes the LASAFE Airline & Main St. (LA 44) project, (pictured above), which is currently under construction. This project utilized the LADOTD Roadway Design Procedures & Details Manual and implemented numerous safety improvements to provide residents with enhanced and safer active transportation options.

Jerome Lohmann has a proven past history of being a proactive project manager through his industry expertise, effective communication skills, and leadership qualities. He will first work to gain a clear understanding of LADOTD's needs and goals through effective communication and we will maintain this communication throughout the project, execute task orders in a timely manner, identify stakeholders (permitting agencies, landowners, utilities, railroads, & others as appropriate) and provide contract management that includes delivery on schedule, maintaining the budget, and management of design staff as they design one or multiple projects in a given time.

GEC's 36+ year portfolio of road and bridge projects is diverse, ranging from low-cost safety improvements such as pavement markings, signage, and surface treatments, to pedestrian facilities, intersection improvements, and even multi-lane urban roadways and interstate widening. Our team of professional engineers and support staff have significant experience in the design of all major AASHTO highway classifications. GEC has maintained a core team of engineers that specialize in transportation and safety projects in our Baton Rouge Headquarters and Metairie offices supported by technical staff.

> GEC's LA 3152: Clearview Operational Improvements project emphasized safety improvement and traffic management. GEC provided engineering services, including a Level 2 TMP, emphasizing Transportation Systems Management capacity & operational measures to facilitate increased traffic flow resulting from the recent Huey P. Long Bridge widening. GEC's scope included median and intersection modifications, turn-lanes, relocation of fixed objects to outside of the clear zone, new pavement markings and signage, and the construction of new sidewalks and handicap ramps at all intersections.

The GEC Team understands the types of projects that may be issued as a part of this contract and is well versed in LADOTD's typical sequence of project development. For this IDIQ, the approach will vary depending on the scope and any previous studies and work that may have already been performed. The GEC Team stands ready to serve as an

extension of LADOTD staff to provide effective design solutions to address safety, while implementing cost-saving methods while being responsive and attentive throughout the project.

The following outlines example scope elements or task orders that may be issued as a part of this IDIQ contract and our potential solutions for each item:

SAFETY IMPROVEMENTS TO A ROADWAY WITH HIGH ROADWAY DEPARTURE CRASHES

POTENTIAL SOLUTION GEC could implement countermeasures into the design of the facility including widened and/or paved shoulders to provide drivers with a larger recovery area, removing fixed objects outside of the travel lanes, ditch slope modifications, friction surface treatments, enhanced pavement markings, increasing horizontal curve radii, installing median barriers, rumble strips, and implementing ITS technologies. ***The GEC Team has prepared numerous traffic studies, engineering plans, surveys, and performed CE&I for similar types of projects.***

SAFETY IMPROVEMENTS DUE TO POOR ACCESS MANAGEMENT

POTENTIAL SOLUTION GEC could implement design features to reduce the number of conflict points, including consolidating existing driveways, requiring right-in/right-out access, implementing road diets, installing pedestrian refuge & curb extensions, and installing medians. ***According to FHWA, driveway consolidation can result in a decrease in crashes of up to 31% and, similarly, median installations of up to 40%.*** A critical component of evaluating access management implementation, especially the installation of medians that will restrict turns near intersections, provides drivers with an alternative for access to any properties within the turn-restricted area.

SAFETY IMPROVEMENTS TO REDUCE CRASHES AT INTERSECTIONS

POTENTIAL SOLUTION GEC could implement countermeasures, including verifying sight triangles, eliminating obstructions, systemically improving intersection signals, signing, marking, and lighting, analyzing traffic control devices including signal timings, flashing yellow arrows, and designing for appropriate road capacity to reduce crosswalk length and conflicts.

SAFETY IMPROVEMENTS TO REDUCE CRASHES WITH PEDESTRIANS OR BICYCLISTS

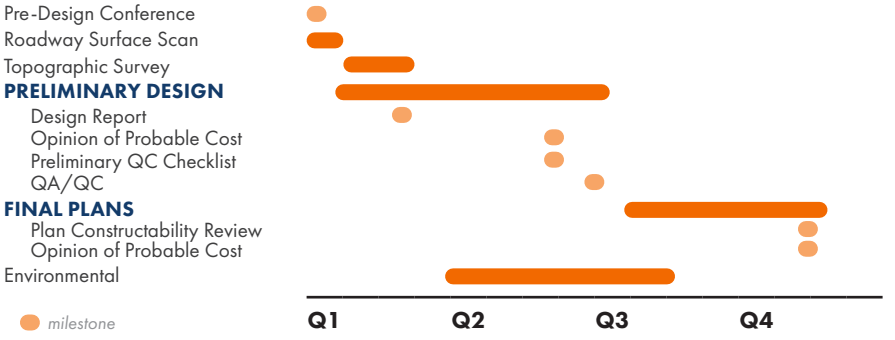
POTENTIAL SOLUTION GEC could implement design features to improve safety for pedestrians and cyclists include providing a safe, ADA-compliant, dedicated facility to accompany these users, upgrading and/or implementing pedestrian actuation with push-buttons, installing crosswalks and ADA ramps, implementing complete streets features, pedestrian refuges, and analyzing proven speed countermeasures.

Methodology

The GEC Team will follow the standard steps outlined in the LADOTD Road Design Manual and by following relevant guidelines such as the Highway Safety Manual. The following is an overview of the project development process GEC will follow for a standard project that may be issued as a part of this IDIQ; however, it will be altered appropriately for each independent task order scope. A sample project schedule is included (Figure 1) displaying a typical task order that would be issued as a part of the IDIQ contract.

FIGURE 1. **SAMPLE PROJECT SCHEDULE**

This schedule represents the order of tasks anticipated for a typical road design task order issued by this IDIQ



Project Kickoff & Field Visit

Once a project is assigned by Task Order, and a Notice to Proceed (NTP) is issued, GEC will hold a kickoff meeting with LADOTD staff to determine the status and scope of the project considering LADOTD's safety data outcomes and goals and objectives. GEC will perform a field review to determine any constraints and analyze the identified safety issues. GEC will establish the pre-design criteria, schedule, and known safety issues and will review at the meeting. Safety, traffic, geotechnical, pavement design, as-built plans, and other relevant data will be requested and reviewed at this meeting. Project points of contact, schedule, budget, invoicing procedures, & other project management tasks will be discussed and established. Minutes from this meeting will be prepared and distributed to all attendees and will become a part of the official project record.

Topographic Surveys & Geotechnical Borings

NTBA will perform survey services to provide topographic surveys and other field information necessary for the design and development of plans. NTBA will ensure that topographic survey adheres to all modern survey theory, practice, and procedures and will follow the latest version of the LADOTD Location Survey Manual and Procedures and EDSM I.1.1.11. This includes all accepted horizontal and vertical control standards as stated in the manual. The LADOTD feature table code list and symbols shall be utilized and met with those included in the latest edition of the survey feature code guidebook produced by the LADOTD Location and Survey Section and Automation. 3D Terrestrial Scanning may be utilized in conjunction with traditional means and methods to capture topography as applicable for each site and will adhere to all LADOTD Standards as related to Terrestrial and Mobile Scanning. All deliverables will adhere to the electronic standard as set forth by LADOTD.

Traffic Control Design, Traffic Signal Analysis and Design, Transportation

Management Plans (TMPs)

Vectura will perform all necessary traffic tasks to complete the task order. All proposed engineers for the project of Vectura have completed the LADOTD Traffic Engineering Process and Report (TEPR) class and are certified PTOE's. Vectura will provide all engineering services necessary for the design and analysis of traffic control features on safety projects in accordance with LADOTD's Sign Manual, Pavement Marking Manual, Traffic Signal Manual, the Traffic Engineering Process and Report (TEPR), and the Traffic Engineering Manual. Vectura will also follow EDSM VI.1.1.8, which outlines what is required for a TMP. Depending on what traffic engineering services are required as a part of any task order, Vectura will perform the following tasks:

- Vectura will coordinate with LADOTD to obtain existing traffic volume and safety data and prior safety analyses, to develop traffic control design plans, alternative route design, traffic signal design, and any other traffic engineering scope requirements.
- If historic data is not available, Vectura will follow the Traffic Study Scope of Services as outlined on the LADOTD Traffic Engineering website. Staff from Vectura have worked closely with the staff of LADOTD through the development and implementation of the TEPR process. This team will utilize this experience to navigate the TEPR process to produce the required deliverables.
- Along with specifying the correct TTC Details, Vectura will coordinate with the road designers on a Work Zone Impact Management Strategy document to minimize risk and delays to the travel public.
- Dependent on the level of required TMP, submittals may include: TTC Details and Plan, Mitigation, Evacuation Strategies, Detour Analysis, Queue Analysis, Work Restrictions, Safety Analysis, and Stakeholder/Public Involvement.

Preliminary / Final Roadway Design, Plan Development, Cost Estimates, Special Provisions

The GEC Team will provide designs that address existing safety issues for all users and varying scenarios. The GEC Team has performed similar services, addressing safety across all users—motorists, vehicles, pedestrians, bicyclists, and transit at intersections, multi-use paths, sidewalks, along a corridor, at medians, and other various locations. GEC will review traffic/safety studies, Stage 0 studies, Road Safety Assessment (RSA) reports, crash reports, predictive method spreadsheets, and other safety-related data to ensure appropriate design. The GEC Team will follow the LADOTD Roadway Design Procedures and Details Manual in developing preliminary and final roadway plans and cost estimates. The team will then also use the corresponding section to document decisions and any possible Design Waivers or Design Exceptions. Some of these projects may require letter sized plans, for example, low-cost safety improvement projects. GEC has prepared letter size plans for other projects, and is familiar of those requirements, if such conditions are required. GEC will also prepare associated cost estimates and any necessary special provisions.

> GEC is prepared to provide and knowledgeable of delivering a set of plans according to LADOTD Road Design requirements as detailed below. We will work with LADOTD to adapt the delivery process to the design of the project elements needed or required for the scope of the project for efficient delivery with quality.

30% PRELIMINARY PLANS

a. Field reviews, develop pre-design criteria and minimum design guidelines
b. Topographic survey, including apparent right-of-way and traffic data
c. Plan Sheets to include: plan and profile sheets with existing topo, establishing horizontal and vertical alignment, typical sections, title sheet

60% PRELIMINARY PLANS

a. Revise based upon comments received in 30% Preliminary Plan review
b. Existing and proposed hydraulics calculations and map
c. Plan Sheets to include: plan and profile sheets including revised horizontal and vertical alignments, geometric details, cross sections, typical sections, existing and proposed drainage, utility and railroad recommendations, earthwork computations, preliminary right-of-way taking, and sequence of construction and signing

95% PRELIMINARY PLANS (PLAN-IN-HAND)

a. Revise based upon comments received in 60% Preliminary Plan Review
b. A preliminary QA/QC will be performed and then a pre-plan-in-hand review will take place before the plan-in-hand is distributed
c. Plan sheets to include: title sheet, typical sections, plan and profile, including right-of-way taking lines, existing and proposed drainage, geometric details, sequence of construction, construction signing, summary of estimated quantities, and cross sections
d. Once the plans are distributed, a plan-in-hand meeting will be scheduled. Attendees typically include LADOTD, municipal/parish representatives, LADOTD district personnel, and members of the design team. The GEC Team will assist in scheduling and conducting the meeting and documenting comments received.

100% PRELIMINARY PLANS

a. Revise based upon comments received in 95% Plan-In-Hand Review
b. Final right-of-way taking lines transmitted to location and survey
c. Permit sketches, if needed; at this time environmental clearance may be necessary. The GEC Team has staff to provide for any required environmental tasks.
d. Preliminary cost estimate

60% FINAL PLANS

a. Revise based upon comments received in 100% Preliminary Plan Review
b. Final typical sections and hydraulic design
c. Plan sheets to include: summary sheets and tables, join layouts, graphical grades, right-of-way maps, horizontal and vertical geometry, traffic signal design, construction notes

95% FINAL PLANS (ADVANCE CHECK PRINTS)

a. Revise based upon comments received in 60% Final Plan Review
b. Revise preliminary cost estimates and summary tables
c. Final QA/QC Check, Constructability review form, Special Provisions
d. Assemble Plans and perform pre-advance check prints review (90% Final)

98% FINAL/100% FINAL PLANS

a. Advance check print comments addressed, revise plans and cost estimates as necessary
b. Develop final cost estimate, specifications, and any necessary special provisions
c. Other items may include SWPPP, final design report, etc.
d. Signed and sealed plans, specifications, and general files are transmitted

18. Approach and Methodology

GEC is very familiar with the LADOTD and national and local standards and practices. Due to our diverse portfolio of roadway design and management services for both LADOTD and municipalities, GEC is poised to provide LADOTD with robust experiences that will allow the GEC team to provide innovative solutions to the toughest roadway design challenges. The GEC Team will prepare all plans in accordance with the most current LADOTD CAD standards.

> For the LASAFE Airline and Main Complete Streets project, completed in accordance with the LADOTD Roadway Design Procedures and Details Manual, GEC's design reduced travel lane widths, replacing the shoulder with a bike lane, and constructing parallel parking, curbing, sidewalks, and landscaping helped to provide a traffic calming effect to keep vehicle speeds lower.

In addition to the resumes included in Section 16, GEC support staff includes a depth of highly knowledgeable and skilled CAD personnel, experienced in utilizing Bentley's Microstation, InRoads, and CADConform programs. **The GEC Team is aware of the LADOTD transition to OpenRoads and if such transition shall occur during this IDIQ, The GEC Team is prepared to transition appropriately.** The GEC Team will upload e-deliverables into the LADOTD ProjectWise repository at any necessary milestone as required by the Task Order. For each required LADOTD submittal, as summarized in the box below, the GEC Team will perform stringent quality reviews to ensure all required items are submitted and that they are accurate and meet our quality acceptance criteria.

Hydraulic Analysis and Design

GEC will provide all hydraulic analysis and design of drainage features on any issued task order. LADOTD's requirements, which shall govern hydraulic analysis and design, are specified in the current edition of LADOTD's Hydraulics Manual. GEC will perform any necessary hydraulic analyses to provide adequate design drainage to ensure that stormwater is effectively managed.

Road Design Services during the Environmental Process

GEC will develop engineering drawings and details, which illustrate proposed work with the purpose of obtaining required permit(s). In addition to performing the required environmental services, GEC also has experience preparing exhibits, setting up, providing displays, technical presentations, and attending/managing Public Meetings and hearings. The GEC Team has prepared numerous Storm Water Pollution Prevention Plans (SWPPP) in accordance with General Permit for Storm Water Discharges Related to the Louisiana Department of Transportation and Development's Statewide Construction and Maintenance Activities Resulting in Land Disturbance. The environmental staff on the GEC Team have completed the NHI Course NEPA and the Transportation Decision-making Process and have served as the Project Manager on and authored numerous LADOTD NEPA documents including: EAs, EISs, categorical exclusions, FONSIs, and Section 4f Net Benefit Statements.

Quality Plan Reviews

GEC's written Quality and Assurance procedures meet LADOTD's requirements and serve as the basis for our work on all contracts, requiring that each member of the team follows the procedures so that work is performed correctly and delivered on time and within budget. Deliverables must comply with current standards and sound practices and reflect current technology. An independent professional checks the deliverables and the originator corrects any errors. The lead roadway Quality Control reviewer, Cary Bourgeois, PE has 36 years of supervising and performing design services on a variety of roadway and bridge projects. Thomas Swanson, PE, PTOE, with 25 years of experience, will perform all necessary traffic engineering quality control reviews.

> GEC has in-depth experience in developing Special Provisions, which will be contained in the project's contract documents and describe any required work that amends the Standard Specifications and Supplemental Specifications in the LADOTD's Standard Specifications for Roads and Bridges. GEC will author and provide these documents, if necessary, for any task order issued.

Construction Support

In Stage 5 of the Project Delivery process, GEC provides construction support and construction related engineering for projects we have designed. GEC stands ready to provide shop drawing reviews, signal acceptance testing, and plan revisions to adjust for unforeseen conditions. Construction Support shall consist of all services required to review and address Requests for Information (RFIs) from LADOTD's Construction Contractor. The Consultant shall be required to respond to all RFIs within 48 hours. Cost recovery for all RFIs due to plan/specification clarity or plan/specification error shall be as noted in the Errors and Omissions clause as established in the Original Contract.

Workload / Firm Size

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.**

> In choosing the GEC Team, LADOTD will have sufficient resources to be dedicated to simultaneous task orders and complete projects on time and on budget. We look forward to a continued working relationship with LADOTD on this project and appreciate the Selection Committee's review of our extensive qualifications. GEC and our team have the experience and knowledge to provide LADOTD with design plans that will improve and define the state's transportation system for future generations. We are immediately ready and available to assist LADOTD.

Sections 19-23

GEC staff have experience implementing safety improvements for road projects.

For the OC Haley Blvd. Streetscape in New Orleans, GEC's design included installing new ADA-compliant curb ramps and high-visibility striping for crosswalks and bike lanes for improved safety.

OC HALEY STREETSCAPE, NEW ORLEANS

GEC

19. Workload

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State project number	Project name	Remaining unpaid balance**
G.E.C., Inc.	Road	H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	70,810
		H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	89,160
G.E.C., Inc.	Bridge	H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	29,573
		H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Bridge & Sound Walls) (Sub to Huval)	135,000
		H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	174,800
		H.004540.5	Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services (Sub to HNTB)	219,878
		H.015342	Infrastructure Investment and Jobs Acts (IIJA), Off-System Bridge Program, District 61 Less EBR	3,639
		H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	148,795
G.E.C., Inc.	Environmental	H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	69,052
		H.011358.1	US 190 (Vine Street) RAISE Grant Application	47,380
G.E.C., Inc.	ITS	H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	19,447
		H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	86,000
G.E.C., Inc.	CE&I/OV	H.010724.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Pecan Island Road Over the Chenal, Pointe Coupee Parish	0
		H.012465.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Flashing Yellow Arrow Part 3	418,859
		H.010960.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 30 Roundabouts at Tanger Mall and I-10	675,975
		H.015022.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 976: LA 81 - US 190	36,053
		H.014694.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 426: LA 73 - Sherwood Forest	215,876
		H.002735.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - Bayou Vermillion Bridge	31,498
		H.003003.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-10: I-49 - LA 328	149,343
		H.002151.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - Bayou Parc Perdue and Creek Bridges	0
		H.002868.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-49 S: Amb Caffery / US 90 Interchange	877,543
		H.013265.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - US 90: LA 14 to LA 83	578,781
		H.003370.6	IDIQ for Painting Inspection & Environ. Monitoring with CE&I, Statewide - I-220/I-20 Interchange IMP & BAFB Access	0
		H.010000.6	IDIQ for Painting Inspection & Environ. Monitoring with CE&I, Statewide - US 171: Calcasieu River Bridge Repairs	71,877
		H.011670.6	I-10/Loyola Interchange Improvements, Jefferson Parish	0
		H.011965.6	LA 47: IWGO Bridge Rehabilitation (HBI) (CE&I) (sub to GPI)	189,116
G.E.C., Inc.	Other (Electrical)	H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	301,419
		H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	350,000
		H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	45,000

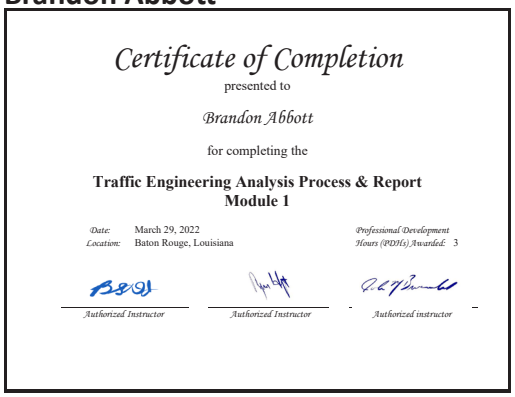
G.E.C., Inc.	Other (Electrical)	H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	54,012
		H.013442.6	IDIQ Contract for Electrical Statewide - I-10: Crowder Boulevard Interstate Lighting	43,208
		H.013617.6	IDIQ Contract for Electrical Statewide - I-10: I-610E Interchange Lighting, Task Order (T.O.) No. 1	164,164
		H.014552.5	IDIQ Contract for Electrical Statewide - I-49: LA 31 Interchange Lighting (Opelousas), T.O. No. 2	273,910
		H.014556.5	IDIQ Contract for Electrical Statewide - I-49: US 190 Interchange Lighting (Opelousas), T.O. No. 3	309,952
		H.014557.5	IDIQ Contract for Electrical Statewide - I-49: Judson Walsh Drive Interchange Lighting (Opelousas), T.O. No. 4	320,591
		H.014553.5	IDIQ Contract for Electrical Statewide - I-49: LA 3233 Interchange Lighting (Opelousas), T.O. No. 5	376,863
		H.004774.5 & H.007300.6	Kansas Lane - Garrett Rd Connector and I-20 Improvements, Ouachita Parish (Sub to Lazenby & Associates, Inc.)	9,070
		H.012874.6	Retainer Contract for Electrical Services - I-55: LA 22 Interstate Lighting (Sub to Buchart-Horn)	20,153
G.E.C., Inc.	Other (DOTD Support Services)	4400017329	Retainer Contracts for Innovative Procurement and Alternative Delivery Support Services (Sub to HNTB Corporation) (No Task Orders Issued) (NOTE: No work expected for GEC under this Contract)	0
G.E.C., Inc.	Other (Program Management	4400016958	Road Transfer Program Management, Statewide (NOTE: The Average Annual billing is approximately $290,000/ year. We are in year 3 of 6. This billing represents 1 person stationed at DOTD. Thus, unlikely to bill this entire remaining balance. (Program Management ONLY – NO Planning, Road or Bridge Design work)	1,499,121
		H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	197,293
		H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	110,483
NTBA	Survey	4400019338	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Sigma)	$34,789
NTBA	Survey	4400019337	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	$197,181
NTBA	Survey	4400017713	IDIQ Contract for Professional Surveying Services – Task Order No. 5 – Monkhouse to I-49, Caddo Parish	$67,791
NTBA	Survey	4400019715	IDIQ Contract for Hydrographic Surveying Services – Task Order No. 7 – Spring Bridges	$53,625
NTBA	Survey	4400017067	Louisiana Watershed Initiative (LWI) Modeling Contract – Region 1, Task Order No. 3 (Sub to Atkins)	$602,819
NTBA	Survey	4400017713	IDIQ Contract for Professional Surveying Services – Task Order No. 8 – I-10: LA 415 to Essen on I-10 and I-12, East Baton Rouge, Parish	$377,912
NTBA	Other (SUE)	4400014660	IDIQ Contract for Subsurface Utility Engineering – Task Order No. 4 – I-10: LA 415 to Essen on I-10 and I-12, East Baton Rouge, Parish	$26,366
Vectura	Traffic	H.010616	I-20: LA 544 Overpass Replacement	120,664
Vectura	Traffic	H.005168.2	New Orleans Rail Gateway Jefferson Highway EA	51,079
Vectura	Traffic	H.005168.2	New Orleans Rail Gateway Avondale EA	144,494
Vectura	CE&I	H.007160	EBR Computerized Traffic Signal, Ph VB	49,600
Vectura	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	14,740
Vectura	Traffic	H.012030.5	KCS RR Overpasses HBI	28,026
Vectura	ITS	H.011504.5	Alexandria ITS Phase 2	54,179
A P S	GEOTECH	H.013127	Retainer Contract for Geotechnical Services	$275,300

*NTBA - **NTB Associates, Inc.***
*Vectura - **Vectura Consulting Services, LLC***

20. Certifications/Licenses

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

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 (PDH's) 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 (PDH's) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Brandon Abbott

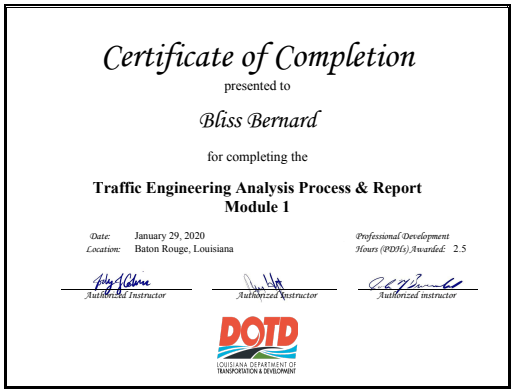
for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Bliss Bernard



Certificate of Completion

presented to

Bliss Bernard

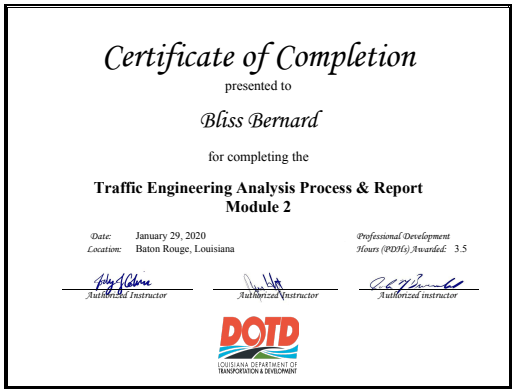
for completing the

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

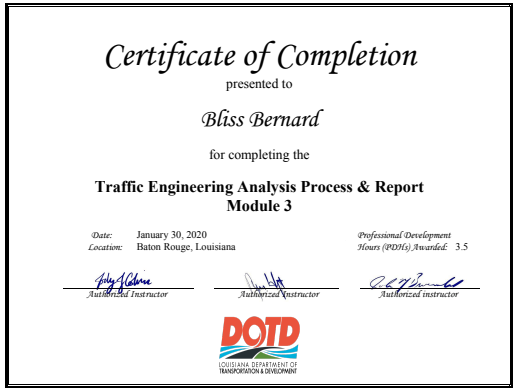
for completing the

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
EVERY MINUTE SAVES LIVES

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

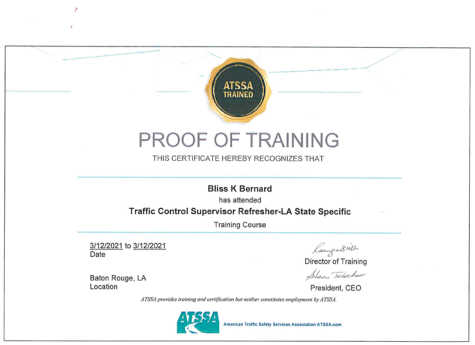
This is to affirm that
Bliss Bernard

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



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

Baton Rouge, LA
Location

Director of Training

President, CEO

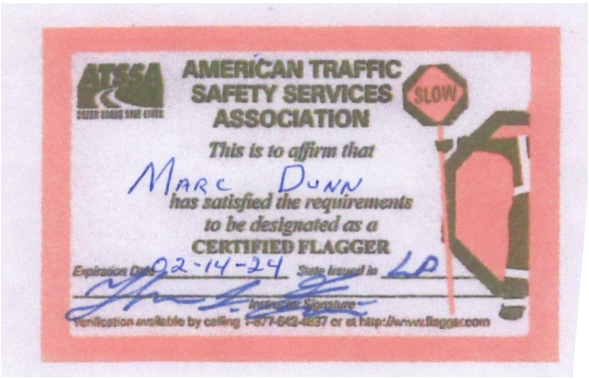
ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

20. Certifications/Licenses

Brian Buckel

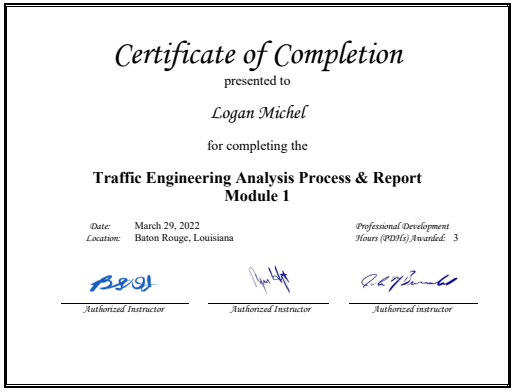
Marc Dunn

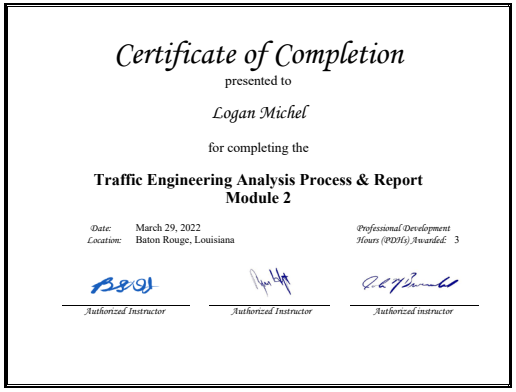


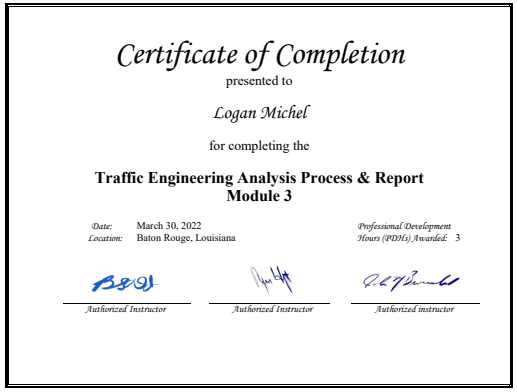
Jerome Lohmann

Roland Maurin

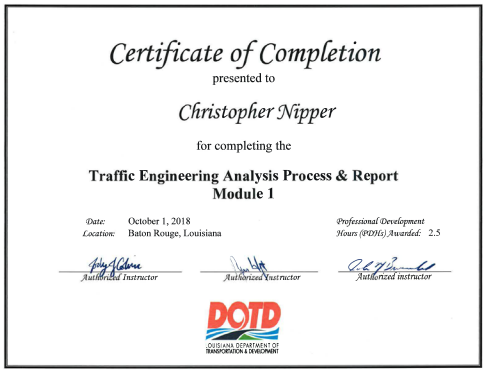
Logan Michel

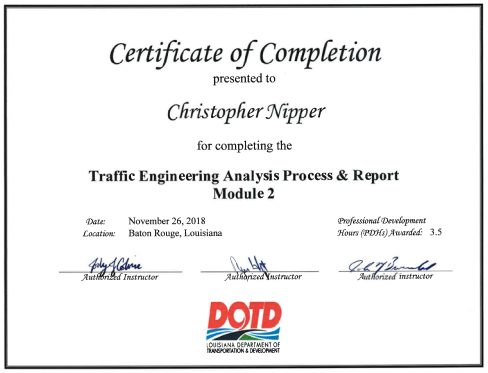


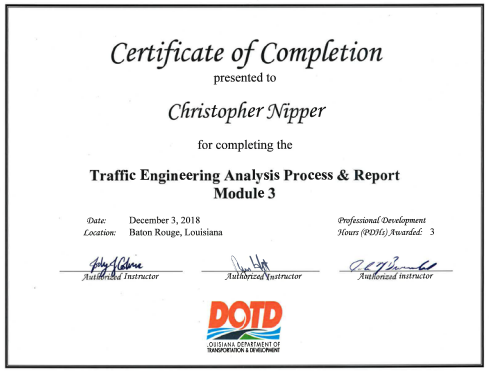




Christopher Nipper







20. Certifications/Licenses

Thomas Swanson

Certificate of Completion

presented to

Thomas Swanson

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: January 17, 2019
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 2

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

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Thomas Swanson
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

Baton Rouge, LA
Location

Vice President of Member Services

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

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)

Vectura Consulting Services, LLC

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

NC488490, NC541330, NC541340

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

20. Certifications/Licenses

Brin Ferlito

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Transportation Professional Certification Board Inc. TPCB

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Ms. Sheelagh B. Ferlito, P.E., PTOE
Vectura Consulting Services, LLC

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 9/9/2024.

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 9/9/2024. 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.

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brin Ferlito
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/29/2022 to 4/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

ATSSA American Traffic Safety Services Association ATSSA.com

20. Certifications/Licenses

Laurence Lambert

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 500 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Mr. Laurence L. Lambert, II, P.E., PTOE, PTP
Vectura Consulting Services, LLC
PO Box 14269
Baton Rouge, LA 70898-4269 USA

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 2/3/2025.

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 2/3/2025. 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.

Reece Rodrigue

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: November 5, 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

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

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

Laurence Lambert

From: Reece Rodrigue
Sent: Friday, June 10, 2022 8:55 AM
To: Laurence Lambert
Subject: FW: TPCB Renewal Approval Notice

See renewal notice below.

Reece Rodrigue, PE, PTOE
Vectura Consulting Services, LLC
m. 504.421.2782

From: info@ite.org <info@ite.org>
Sent: Friday, May 6, 2022 8:20 AM
To: Reece Rodrigue <rrodrigue@vecturacs.com>
Subject: TPCB Renewal Approval Notice

Transportation Professional Certificatic

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • I

Mr. Reece J. Rodrigue, P.E., PTOE
Vectura Consulting Services, LLC

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 7/17/2025.

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 7/17/2025. 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

1

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.

2

Certificate of Training

this certifies that

Reece Rodrigue

has successfully completed the training program requirements for

ATSSA Online Flagger Certification Training Course

Awarded on this **24th** *day of* **September 2020**

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Reece Rodrigue
has attended
Traffic Control Supervisor-LA State Specific
Training Course

9/4/2019 to 9/5/2019
Date

Baton Rouge, LA
Location

Vice President of Member Services

President, CEO

ATSSA American Traffic Safety Services Association ATSSA.com

Kristen Gallagan

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Kristen Alice Gahagan
Buchart Horn, Inc.
728 Hesper Ave
Metairie, LA USA 70005

It is my pleasure to inform you that you have passed the written examination and are certified as a *Professional Traffic Operations Engineer*® (PTOE). As a PTOE you will be recognized as one of a specialized group of traffic operations engineers with the set of skills and expertise needed to successfully solve and implement traffic solutions and create better communities.

The Certification Board previously determined you met all other requirements for certification. If there is no balance due on the attached invoice you may now use the title Professional Traffic Operations Engineer® and/or the initials PTOE in the conduct of your professional practice. If payment is outstanding, you must pay the balance due and only then are you a PTOE.

While you wait for your certificate, your PTOE certification number is: **4863** You should receive your certificate 120 days. If you wish your name to appear on the certificate any differently from how it is shown here, please contact Ann O'Neill **immediately** at certification@tpcb.org or by fax at 202-785-0609.

Kristen Alice Gahagan

Your initial certification fee covers a three-year period and will expire March 26, 2023.

At the end of the three-year period, your certification may be renewed without examination if you demonstrate that you have met the continuing professional development and education activities required. The specific components of the required continuing professional development are described in the enclosed attachment. Begin earning and keeping track of your professional development units so that when it is time to renew, the necessary 45 PDH's will be easily accessible. As of January 1, 2018, TPCB phased in a policy in which 20 percent 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 demonstrate fulfillment of continuing education requirements. The professional record-keeping systems, available from ITE, provide a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.
www.ite.org/pdrks/default.asp

Let me again congratulate you on obtaining this certification. We hope that you will display it with justified pride and carry out your professional activities in a manner to bring added luster to the title and practice of Professional Traffic Operations Engineer®.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB website 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 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.

Should you have questions now or in the future, please do not hesitate to contact me or the staff at the address below.

Sincerely,

Diane W. Morabito

Diane W. Morabito, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Attachments

ATSSA
AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Kristen Farrington
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 7/5/2025 *State Issued in* LA

Instructor Signature

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

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kristen Farrington
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/5/2021 to 4/5/2025
Training Valid Through

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

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)

APS Engineering & Testing, LLC

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

NC221310, NC221320, NC541330, NC541370, NC541380, NC541620, NC541690

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

Certificate Eligibility: October 2022 to October 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

20. Certifications/Licenses

Sergio Aviles

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Sergio Aviles
has attended
Traffic Control Technician Virtual Training
Training Course

1/24/2023 to 1/24/2027
Training Valid Through

CEU: 0.75

Director of Training

Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association ATSSA.com

Sairam Eddanapudi

The American Traffic Safety Services Association

Hereby recognizes that

Sairam Eddanapudi
has attended
Traffic Control Technician-LA State Specific
Training Course

2/5/2019 to 2/5/2019
Date

Baton Rouge, LA
Location

Training & Products Dept. Director

President, CEO

Surendra Pathak

The American Traffic Safety Services Association

Hereby recognizes that

Surendra Pathak
has attended
Traffic Control Technician-LA State Specific
Training Course

2/5/2019 to 2/5/2019
Date

Baton Rouge, LA
Location

Training & Products Dept. Director

President, CEO

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Surendra Pathak
has attended
Traffic Control Supervisor Virtual Training
Training Course

12/28/2022 to
12/28/2026
Training Valid Through

CEU: 1.50

Director of Training

Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association ATSSA.com

21. QA/QC Plan

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

Per advertisement instructions, GEC will submit our 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 (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A, Baton Rouge, LA 70809-9639	Sheelagh Brin Ferlito bferlito@vecturacs.com	225-223-6685
NTB Associates, Inc.	Corporate Headquarters: 525 Louisiana Ave., Shreveport, LA 71101 Branch Office: 8643 Main St., Zachary, LA 70791	Bryan T. Bunch, PLS bbunch@ntbainc.com	225-751-4002
A P S Engineering and Testing, LLC	1645 Nicholson Drive BR, LA 70802	Sergio Aviles, PE, M.ASCE sergio@aps-testing.com	225-456-5714

23. Location

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the advertisement.**

Cary Bourgeois, PE
cbourgeois@gecinc.com
(225) 612-4121

8282 Goodwood Blvd.
Baton Rouge, Louisiana

WWW.GECINC.COM

GEC