Statement of Qualifications

CONTRACT NO. 4400024461

CONTRACT FOR LA 385: RYAN STREET INTERSECTION IMPROVEMENTS

August 2, 2022

DOTD FORM: 24-102

(Revised March 1, 2022)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1.	Contract title as shown in the advertisement	**LA 385: RYAN STREET INTERSECTION IMPROVEMENTS**
2.	Contract number(s) as shown in the advertisement	4400024461
3.	State Project Number(s), if shown in the advertisement	H.012685
4.	Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	**G.E.C., Inc.**
5.	Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.001917
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 (shall be the same person as #9):  Date: August 9, 2022

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s):	Firm(s)' %
	Bonton Associates	**6%**

12. Past Performance Evaluation Discipline Table

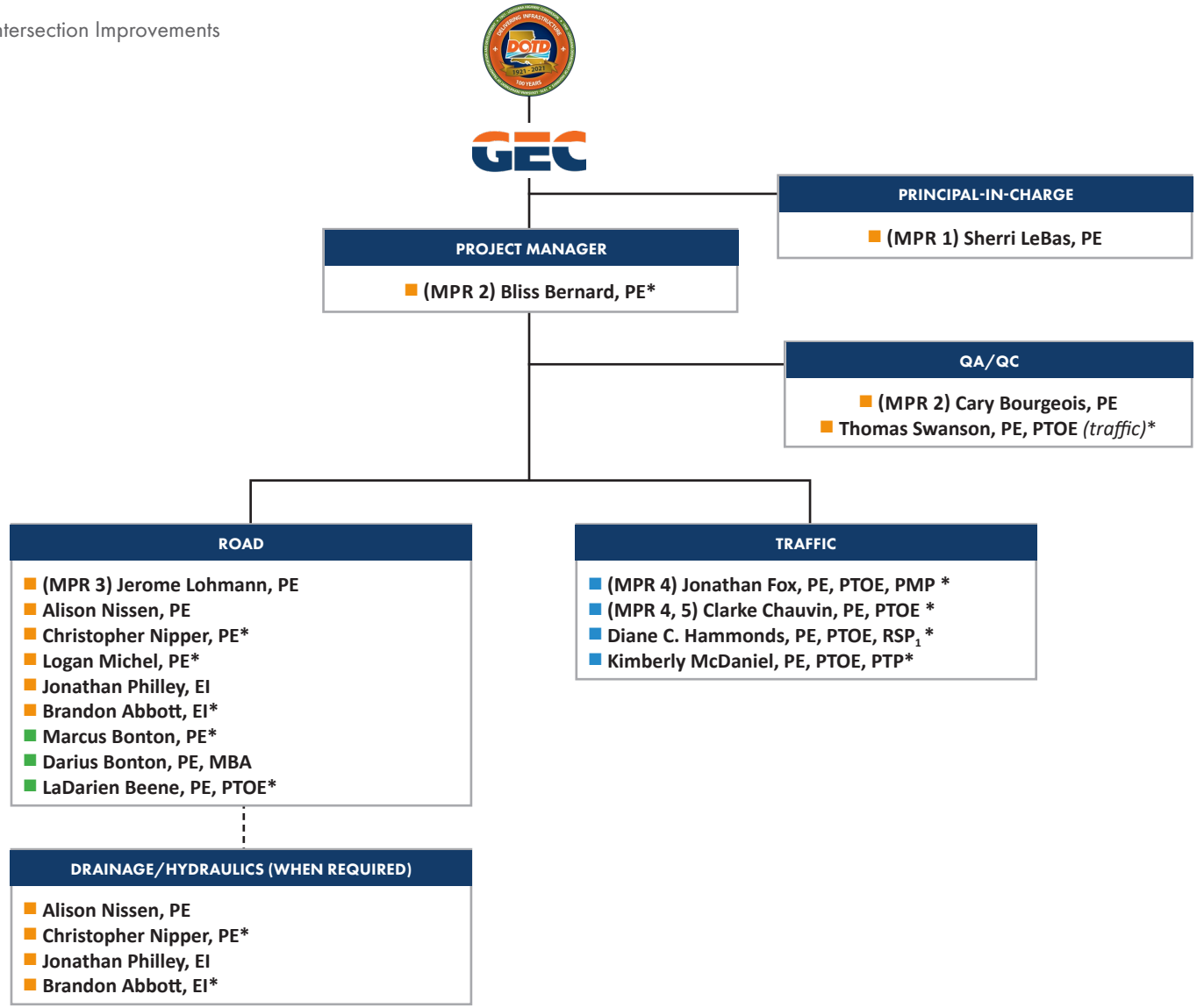
Evaluation Discipline	% of Overall Contract	G.E.C., Inc. (GEC) (**Prime**)	Intelligent Transportation Systems LLC	DBE FIRM Bonton Associates
Road	60%	90%		10%
Traffic	40%	5%	95%	
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.				
Percent of Contract	100%	56%	38%	6%

13. Firm Size

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
G.E.C., Inc.	Principal	2	3
	Engineer	3	7
	Supervisor-Engineer	3	6
	Engineer Intern	2	4
Intelligent Transportation Systems LLC (ITS LLC)	Principal	1	2
	Supervisor Engineer	2	2
	Engineer	1	2
	Engineer Intern	0	1
	Technician	0	6
	Other	0	2
Bonton Associates	Principal	1	3
	Engineer	3	4
	Engineer Intern	0	3

14. Organizational Chart

CONTRACT NO. 44-24461
Contract for LA 385; Ryan Street Intersection Improvements



LEGEND

- G.E.C., Inc.
- ITS LLC
- Bonton Associates
- **(#)** Fulfills MPR
- * LTRC Modules 1-3 Training

PRIME CONSULTANT NAME: **G.E.C., INC.**

15. Minimum Personnel Requirements

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Sherri LeBas, PE	GEC	PE No. 23844 (Civil, Environmental)	Louisiana	03/31/2023
2	Bliss Bernard, PE	GEC	PE No. 42709 (Civil)	Louisiana	03/31/2023
2	Cary Bourgeois, PE	GEC	PE No. 23414 (Civil)	Louisiana	09/30/2023
3	Jerome Lohmann, PE	GEC	PE No. 24673 (Civil)	Louisiana	09/30/2022
4	Jonathan Fox, PE, PTOE, PMP	ITS Intelligent Transportation Systems®	PE No. 33277 (Civil) PTOE No. 2329	Louisiana	09/30/2023 11/07/2022
4	Clarke Chauvin, PE, PTOE	ITS Intelligent Transportation Systems®	PE No. 41770 (Civil) PTOE No. 4337 IMSA No. BE_125780	Louisiana	09/30/2023 11/20/2023 09/18/2022
5	Clarke Chauvin, PE, PTOE	ITS Intelligent Transportation Systems®	PE No. 41770 (Civil) PTOE No. 4337 IMSA No. BE_125780	Louisiana	09/30/2023 11/20/2023 09/18/2022

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 / 03-31-2023		
Year registered	1990	Discipline	Professional Engineer, Civil & Environmental
Contract role(s) / brief description of responsibilities	Role on this Project: **Principal-in-Charge / MPR 1**		

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

Firm employed by	**G.E.C., Inc.**
Name	**Sherri LeBas, PE** *Continued Resume*
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	**Bliss Bernard, PE**	Years of relevant experience with this employer	<1
Title	Vice President Environmental / Business Development	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engineering	
Active registration number / state / expiration date		42709 / Louisiana / 03-31-2023	
Year registered	2018	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Project Manager / MPR 2**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mrs. Bernard is a licensed Professional Engineer, experienced with a range of engineering projects including traffic engineering, roadway & complete streets designs, environmental planning, water resources, & coastal/habitat restoration. She has served as the Project Manager on several traffic, roadway, & complete street projects for LADOTD & local entities. Bliss has successfully proven to have the ability to manage a multitude of projects simultaneously. She is a great relationship builder & excels at collaborating with her clients & team. She is very proactive & communicative, as she uses a unique method of tracking project progress, so that the client is informed at all times of the project, at any interval. She is highly organized, adaptive, creative, & timely in her work. Her creativity & innovativeness allows for fresh & unique submittals, culminating into finished, consistent products. She has completed ATSSA TCT, TCS, & Certified Flagger training courses, NHI Course NEPA & the Transportation Decision-Making Process, LADOTD Highway Safety Manual Course, the LADOTD Traffic Engineering Process and Report Training Modules 1, 2, and 3, and the LADOTD Louisiana Road Safety 101 webinar*
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. In Phase 1, she was responsible for overseeing the traffic engineering study progress to ensure concept development, roadway alternative evaluation, and design criteria was established and approved by LADOTD. In Phase 2, she was 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 conceptual plans, and opinion of probable cost.
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 assisted with 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 various other plans and construction documents. She also completed a subsurface drainage analysis using LADOTD's HYDRWIN program.
02/18-12/21	**RODDY ROAD/CHURCHPOINT ROAD ROUNDABOUT REDESIGN: Ascension Parish, LA.** *Project Manager*- Mrs. Bernard served as the Project Manager on this project re-design. Due to funding restrictions, the project did not get constructed in a timely manner, and Ascension Parish issued the prime consultant with the project in 2018 to update the original submittals (the prime consultant completed the original roundabout study, categorical exclusion, traffic analysis, geotechnical and pavement design, preliminary and final engineering plans in 2013). She directed survey crews and traffic data collection crews in updating the existing topographic survey and traffic data to update outdated information. Using this information, she developed an updated intersection study and revised the 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.

02/15-01/19	**H.010723 NORTH BOULEVARD PROMENADE & H.009783 BATON ROUGE DOWNTOWN GREENWAY: East Baton Rouge, LA.** *Project Manager-* The Baton Rouge Greenway is a part of an interconnected network of bike/pedestrian pathways that links inner city neighborhoods and expands to downtown parks, businesses, and cultural attractions, utilizing the existing BREC parks, interstate infrastructure, and public rights-of-way in Baton Rouge. 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.**
09/20-12/21	**CALCASIEU PARISH TRAFFIC CONTROL DEVICE MONITORING: Calcasieu Parish, LA.** *Engineer-* Mrs. Bernard served as an engineer on this project, which analyzed the inventory of traffic control devices following Hurricane Laura in Calcasieu Parish. After the storm passed, it quickly became evident that the Parish was facing the challenge of unsafe roadways due, not only to fallen debris, but also traffic signals being out, and traffic signs being mangled, fallen, or completely missing. She performed an assessment of traffic control devices from inspectors to evaluate conditions and make recommendations to the parish on storm damage impacts and processed field inventories of traffic control devices based on a prioritization list established by the Parish. The project assessed, repaired, and verified over 11,000 traffic control devices.
01/16-05/22	**H.011773 HANKS DRIVE SIDEWALKS AND PEDESTRIAN IMPROVEMENTS PHASE 1 & 2: East Baton Rouge Parish, LA.** *Project Manager-* Mrs. Bernard served as the Project Manager for the Hanks Drive Sidewalks Pedestrian Improvements- Phase 1 Project and the Transportation Engineer for Phase 2 and 3 of the project, in which she managed and provided engineering to complete a Design Study, Preliminary Plans, and Final Plans in accordance with MovEBR and LADOTD Design Standards for a pedestrian facility and drainage system along Hanks Drive and Landis Drive. She managed all aspects of the Project, including scoping, budget, quality, personnel, schedule, submittals and design of pedestrian facilities, subsurface drainage systems, ADA compliance, intersection improvements, and other related features. The proposed projects combined provided approximately 6,800-ft. and 2,000-ft. of sidewalk and subsurface drainage system along Hanks Drive and Landis Drive, respectively.
03/19-01/22	**ELM GROVE GARDEN PED IMPROVEMENTS: East Baton Rouge Parish, LA.** *Project Manager-* Mrs. Bernard served as the Project Manager and Transportation Engineer and provided engineering services for a pedestrian facility and drainage design in accordance with MovEBR and LADOTD Design Standards along Elm Grove Garden Drive in Baton Rouge, LA. The lack of sidewalks along the project corridor presented an unsafe pedestrian corridor; thus, the proposed project provided a safe and accessible 5-ft. wide sidewalk along both sides of Elm Grove Garden Drive. Mrs. Bernard developed a design study, preliminary engineering plans, and final engineering plans encompassing pedestrian facility design, drainage analyses and design, intersection improvements, ADA and complete streets compliance, signage and striping, utility coordination, construction estimates, and other project related elements.
05/17-03/22	**H.009932 US 80 WIDENING, VANCIL ROAD TO WELL ROAD ENVIRONMENTAL ASSESSMENT: Ouachita Parish, LA.** *Project Manager* - Mrs. Bernard served as project manager and was a member of prime consultant team to develop the EA. She analyzed project impacts by coordinating and assisting in developing various technical studies, including line & grade study, GIS mapping, phase 1 EA, and air & noise impact studies. She prepared reports, presentations, postcard mailers, and other documents for stakeholder & community outreach and worked directly with LADOTD on public outreach via the web. She hosted one of the first LADOTD virtual public meetings held completely online following the COVID-19 pandemic which required adapting many of the standard procedures for the meeting for a social-distance-friendly platform. Through the compilation of all studies required by NEPA and public and agency involvement, she developed the draft EA Report.

Firm employed by	**G.E.C., Inc.**		
Name	**Cary Bourgeois, PE**	Years of relevant experience with this employer	36
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: **QA/QC / MPR 2**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Bourgeois is GEC's Senior Vice President involved in supervising activities and performing design services on several large-scale projects. Mr. Bourgeois is experienced 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 Senior Vice President of Engineering, he manages design and development, and supervises production of plans and specifications as well as general construction engineering and inspection.*
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.
09/20-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Principal-in-Charge/QA/QC* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Bourgeois oversaw 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 started with an NBIS bridge inspection to determine Condition Ratings for the bridge superstructure, substructure, and piles. A Bridge Load Rating was then carried out based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. Based on the load rating, GEC recommended that the existing bridge be replaced. He also oversaw the preliminary design for the replacement bridge as well as the design study for a six-lane, curb and gutter roadway with pedestrian facilities and subsurface drainage.
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.

Firm employed by	**G.E.C., Inc.**
Name	**Cary Bourgeois, PE** *Continued Resume*
06/17-12/21	**H.003074, I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Principal-in-Charge/QA/QC* - Mr. Bourgeois oversaw 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.
04/19-12/21	**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.
2019-Present	**LA SAFE-AIRLINE AND MAIN COMPLETE STREETS: Laplace, LA.** *Principal-in-Charge/QA/QC* - This project consists of a 10' shared use path, 5' sidewalk along the north side of US 90, bike lanes on shoulders, and softening of the median. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Along Main St., the design will provide parallel parking utilizing decorative brick and permeable base to reduce time of concentration. GEC oversaw the calculation of preliminary quantities and development of a preliminary estimated construction cost. GEC proposed the conceptual design to the Parish and received approval. GEC also oversaw development of the fee for all costs from surveying to construction.
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.
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, and drainage. Mr. Bourgeois was Principal-in-Charge and oversaw the design phase of the project.
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.
08/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Design Manager* - Mr. Bourgeois is responsible for the overall design and design quality control of this $53,000,000 project which will provide exit ramps that are separated from the merge of I-10 and I-12. To accomplish this, I-12 westbound will be re-routed under a rebuilt I-10 westbound bridge.

Firm employed by	**G.E.C., Inc.**		
Name	**Thomas Swanson, PE, PTOE**	Years of relevant experience with this employer	13
Title	ITS Section Manager	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		B.S. / 1992 / Civil Engineering	
Active registration number / state / expiration date		30139 / Louisiana / 09-30-2022 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: **QA/QC Traffic**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Swanson's career began over 33 years ago when he worked as an electrician for the U.S. Navy. Even though he graduated in Civil Engineering, he completed several Electrical and Power Engineering courses and much of his career has focused on Electrical Engineering since he graduated in 1992. He has over 20 years of experience with transportation planning and traffic engineering. While in GEC's Electrical Department, Mr. Swanson has provided professional engineering services associated with Stage 0 Feasibility Studies, Stage 1 Environmental Assessments, traffic studies and traffic signal design, traffic data collection and analysis, traffic signal warrant analysis, traffic signal timing and optimization, design of isolated traffic signal intersections, development of traffic control devices plans and computerized signal system design and engineering projects. He has completed Transportation Management Plans (TMPs) for LADOTD lighting and ITS projects. This includes several Level 4 TMPs in accordance with all applicable standards.*
02/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Traffic Engineer* - Mr. Swanson's responsibilities included the ITS system relocation design, and construction signage and striping (Maintenance of Traffic) and permanent signage and pavement markings. Mr. Swanson completed the construction signing/striping layout as well as permanent signing/striping.
09/19-Present	**LA SAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Traffic Engineer* - Mr. Swanson performed design of ADA-compliant pedestrian crossings at Airline Highway (US 61) and Main Street for this ongoing project. He also completed a pedestrian/traffic study for the Main Street (LA 44) corridor analyzing and observing vehicular and pedestrian traffic, to assess the need to add crosswalks.
2017	**PALMISANO BLVD. IMPROVEMENTS: Chalmette, LA.** *Traffic Engineer* - Mr. Swanson completed striping and signing for a bike path.
08/14-08/17	**CLEARVIEW PARKWAY (LA 3152) OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Traffic Engineer* - Mr. Swanson updated final signage and pavement markings and added right turn lane and signal head at Airline/Clearview.
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	**ORMOND BLVD. REHABILITATION: St. Charles Parish, LA.** *Traffic Engineer* - Mr. Swanson performed traffic counts and a new roadway striping plan.
2011-2015	**LA 3152 CLEARVIEW PARKWAY CAPACITY IMPROVEMENTS: Jefferson Parish, LA.** *Traffic Engineer* - Mr. Swanson provided a study of existing alignment and recommended geometric improvements, specifically improvement of the Clearview/Airline Highway and Clearview/Mounes Ave. Intersections. Performed the Stage 0 and was involved in the Transportation Management Plan.
2007	**TRAFFIC SIGNAL / ITS STUDY AND DESIGN, DISTRICT 61, TASK 1 – LA HIGHWAY 73 AT I-10 AND LA 621: Ascension Parish, LA.** *Traffic Engineer* - Mr. Swanson provided Signal Modifications and Geometric Study. Task required conducting a traffic and transportation network analysis of LA 73/LA 621 at the I-10 interchange including project management, warrant analysis, traffic signal study, traffic signal timing and optimization, temporary work zone signage and assigned deliverables. Traffic counts, warrant analysis, field inspection of all four intersections; deliverables (report); Unsignalized intersection analysis and with signal study; Traffic Signal Study; Manual Traffic Counts; Condition Diagram and Condition Report.

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 / 09-30-2022	
Year registered	1992	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **Road Design / MPR 3**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Mr. Lohmann has over 39 years of diversified engineering, surveying, and construction experience to his credit. He began his career working for an engineering/construction company in 1969. Since that time, he has gained progressive experience, an Associate degree in Applied Science (Surveying), and B.S. in Civil Engineering. His career has included extensive experience in the area of surveying (right-of-way, boundary, topographic, hydrographic, construction, route/location, etc.), sanitary sewer design, water supply systems, highway and transportation systems, drainage design, etc. Mr. Lohmann has served as Project Manager/Design Engineer on various LADOTD Projects. He has been responsible for the design and management of projects ranging in magnitude from Off- System Bridge Replacement Projects to a major interchange on I-49.*
11/15-Present	**POWER BLVD. MEDIAN IMPROVEMENTS: Kenner, LA.** *Project Manager* - This project included a shared-use path beginning at W. Esplanade Avenue and ending at Vintage Drive. A 12'-wide concrete shared use path replaced a 6'-wide path. The wider section allows for a greater level of service that comfortably accommodates bi-directional pedestrian and bicycle use. In addition to the completed concrete path, the project features improved pedestrian lighting, a new steel bridge for pedestrians and bicyclists, seating, landscaping, irrigation, donated art, striping, signage, and more. This project connects to the recently completed Erlanger shared use path. Mr. Lohmann's responsibilities as Project Manager included completion of preliminary plans for the shared use path including QA/QC of horizontal and vertical geometry, typical sections, construction phasing, signing and striping and estimated quantities. In February 2019, GEC received an amendment to the contract to revise the preliminary plans. GEC submitted 95% final plans for LADOTD review in March 2022 and is awaiting comments.
09/20-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Project Manager* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Lohmann is Project Manager, overseeing design of a six-lane, curb and gutter roadway with subsurface drainage, bridge replacement, green infrastructure and pedestrian facilities. GEC's design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Mr. Lohmann supervised a study of the existing bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This study started with an NBIS bridge inspection to determine Condition Ratings for the bridge superstructure, substructure, and piles. A Bridge Load Rating was then carried out based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. Based on the load rating, GEC recommended that the existing bridge be replaced. (City-Parish Project No. 19-CPHC-0034)
2016-Present	**BREC: GREENWOOD MULTI-USE TRAIL PHASE 2: East Baton Rouge Parish, LA.** *Project Manager* - In 2016, GEC was contracted by the Recreation and Park Commission for the Parish of East Baton Rouge (BREC) to provide professional engineering services to design a shared use path along the perimeter of Greenwood Park in North Baton Rouge. The Lavey Lane trail segment is approximately 4,200 LF beginning at LA Hwy 19 and the existing Phase I Trail and continuing east along Lavey Lane parallel to the roadway, with a vegetation buffer zone, to the end of the park property. The Hwy 19 trail segment is approximately 5,000 LF beginning at the Park entrance where Phase I ends and extending southward to Thomas Road parallel to the roadway, with a vegetation buffer zone, ending at the Clark Park entry road on Thomas Road. This segment included a prefabricated steel pedestrian bridge across Cypress Bayou. Appropriate signage, striping, and drainage improvements was added where suitable. Mr. Lohmann's responsibilities as Project Manager included preliminary plans for a shared use path including QA/QC of horizontal and vertical geometry, typical sections, construction phasing, signing and striping and estimated quantities. The project is currently under construction.

Firm employed by	**G.E.C., Inc.**
Name	**Jerome Lohmann, PE** *Continued Resume*
11/18-02/21	**I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA.** *Project Manager* - Mr. Lohmann managed the GEC design staff for the replacement of two-slab span bridges and approximately 1.1 miles of milling and overlay. He oversaw design of the vertical alignment, proposed length of the bridges, placement of the new bridges, and guardrail design. Mr. Lohmann also oversaw the design of the new roadway approaches to the new bridge, calculation of quantities, and construction cost estimating for the project. Construction of the project was completed in June 2021.
12/21-Present	**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.
09/17-12/18	**CAMP COUSHATTA ROAD IMPROVEMENTS: Allen Parish, LA.** *Project Manager* - Mr. Lohmann managed the design of a new road for the Coushatta Tribe of Louisiana, including the new alignment and drainage structures/systems. The road consisted of two eleven foot lanes, with 3 foot outside aggregate shoulders, and ditches on both sides. A subsurface drainage system was designed that tied into an existing subsurface system. Two reinforced concrete box culverts were designed to facilitate the flow of local canals through the new roadway, and one of the canals was realigned.
09/19-present	**LA SAFE-AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Project Manager* - Mr. Lohmann is managing the development of typical sections and preliminary layout for the project, which consists of a 10' shared use path, 5' sidewalk along the north side of US 90, bike lanes on shoulders, and softening of the median. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Along Main St., the design will provide parallel parking utilizing decorative brick and permeable base to reduce time of concentration. Mr. Lohmann oversaw the calculation of preliminary quantities and development of a preliminary estimated construction cost. He proposed the conceptual design to the Parish and received approval. He also oversaw development of the fee for all costs from surveying to construction.
04/19-12/21	**CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Project Manager* - Mr. Lohmann was Project Manager performing a Design Study including hydraulics, environmental, and geotechnical considerations, overseeing topographic survey and right-of-way (ROW) mapping as required; and developing preliminary and final construction plans and cost estimates. The project included the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek and the existing Sarasota Drive bridge over Engineers Depot Canal. (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)
09/19-Present	**WEST TAMMANY HILLS DRAINAGE: Covington, LA.** *Project Manager* - Mr. Lohmann is overseeing 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. Mr. Lohmann's road design services include pavement structural design for rehabilitated and/ or reconstructed sections and preliminary and final roadway design and plan development. He will also work with the Parish to finalize plans and specifications into the Parish frontend documents and format for bidding, address request for information (RFIs) during the bidding process, attend and document pre-bid meeting, review and tabulate bids, and make recommendation on acceptance of bids as required.
2015-2016	**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. 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.
11/15-08/17	**CLEARVIEW PARKWAY (LA 3152) OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Project Engineer* - Mr. Lohmann 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.

Firm employed by	**G.E.C., Inc.**		
Name	**Alison Nissen, PE**	Years of relevant experience with this employer	2
Title	Civil Engineer	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization		B.S. / 1984 / Civil Engineering	
Active registration number / state / expiration date		28801 / Louisiana / 09-30-2022	
Year registered	2000	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 time specified in the applicable MPR(s).
	*Ms. Nissen joined GEC in 2019 as a civil engineer with 24 years of experience with project management and transportation design projects. Her engineering and management experience includes preliminary and final design, plan preparation, and construction phase services. She has experience with project supervision, frequently interfaces with clients, subconsultants and government agencies, and has prepared roadway design, drainage, traffic control plans, and other associated design for preliminary and final design of roadways from major thoroughfares to residential streets for private land developers and city, parish/county, and stage agencies. Ms. Nissen has a wealth of experience in the design of roadways and drainage, inclusive of the design of roundabouts.*
01/16-11/16	**H.012185 / LA 3034, SULLIVAN ROAD (WAX-HOOPER): East Baton Rouge Parish, LA.** *Project Engineer* - Ms. Nissen was responsible for design of major roadway improvements replacing the 2-lane asphalt roadway with a 4-lane concrete, divided roadway with raised median. The road improvements were for Sullivan Road from West of Wax Road to Hooper Road on over 1.2 miles of roadway and included horizontal and vertical geometry, intersection design and drainage improvements.
2019	**LADOTD H.004104, PECUE LANE/I-10 INTERCHANGE: Baton Rouge, LA.** *Project Manager* - Ms. Nissen provided engineering design services for widening Pecue Lane (Perkins to Airline) including a Diverging Diamond Interchange with I-10. She prepared construction plans and construction cost estimates for Pecue Lane from Jamestown Blvd to south of Ward Creek and the I-10 EB entrance and exit ramps. Tasks included horizontal and vertical alignments, typical sections, super elevation diagrams, intersection layout, geometric details, storm drainage design, construction sequencing, cross section development, maintenance of traffic plans, and construction cost estimates.
03/12-04/13	**H.004526 / LA 1 IMPROVEMENTS GOLDEN MEADOW TO PORT FOURCHON: Lafourche Parish, LA.** *Project Engineer* - Ms. Nissen was responsible for preparation of the final line and grade study, preliminary roadway and right-of-way plans and construction cost estimate for an 8-mile segment of a 17-mile, 4-lane bridge structure to replace the existing LA 1 roadway. She was responsible for coordinating road and bridge designs including horizontal and vertical alignment, roadway tie-ins, major pipeline crossings and a levee crossing, scheduling, and interfacing with client, project subconsultants, governmental agencies and pipeline companies.
01/15-01/16	**H.002301 / NORTH SHERWOOD FOREST DRIVE IMPROVEMENTS: Baton Rouge, LA.** *Project Engineer* - Ms. Nissen was responsible for the design of 1.7 miles of roadway replacing the existing 2-lane rural roadway with a 5-lane urban roadway. Her responsibilities during construction plan preparation included sequence of construction, signing and striping, erosion control, quantities and QA/QC reviews.
10/19-12/21	**EBR CITY-PARISH, CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *QA/QC* - Ms. Nissen provided plan review services for this project which 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, Louisiana.
2018	**H.011798 / AIRLINE PARK BLVD. REHABILITATION AND DRAINAGE UPGRADE: New Orleans, LA.** *Project Manager* - Ms. Nissen performed preparation of plans, specifications, and cost estimate for improvements to Airline Park Blvd. (500' north of Camphor to West Napoleon Ave). Her responsibilities included horizontal and vertical geometry, storm sewer design, earthwork calculations, and sequence of construction.

Firm employed by	**G.E.C., Inc.**
Name	**Alison Nissen, PE** *Continued Resume*
10/19-07/20	**I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA.** *QA/QC* - The project includes the replacement of two slab span bridges. Ms. Nissen provided review of the project plans. Construction of the project was completed in June 2021.
10/19-Present	**MID CITY GROUP C, D, & E, FEMA RECOVERY ROADS PROGRAM: New Orleans, LA.** *Project Engineer* - Ms. Nissen 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.
09/20-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Design Engineer* - For the widening of Bluebonnet Blvd., Ms. Nissen completed a design study of a six-lane, curb and gutter roadway with subsurface drainage, bridge replacement, green infrastructure and pedestrian facilities. Design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Ms. Nissen made slight modifications to the horizontal alignment to avoid conflicts with existing railroad and pedestrian bridge support columns, raised the profile for the replacement bridge over Dawson Creek. Ms. Nissen prepared typical sections, roadway plan and profile drawings, geometric details and construction cost estimate for the design study report.
2016	**CHEROKEE STREET DRAINAGE IMPROVEMENTS: New Orleans, LA.** *Project Engineer* - Ms. Nissen was responsible for preparation of plans and specifications for roadway replacement, drainage improvements and Green Infrastructure on Cherokee Street in the southwest region of the City near Audubon Park. The proposed improvement project consisted of a new subsurface storm water system to address localized flooding along a two-block region of Cherokee Street. Green Infrastructure design elements of the project consisted of rain gardens with high performance modular bio-filtration systems at intersection radii and the use of permeable pavers with perforated pipe underdrain for parking lanes on each side of the roadway.
03/14-01/15	**MT. PLEASANT BLVD. WIDENING (BARNETT ROAD TO LA 964) AND AMERICANA ROUNDABOUT: Zachary, LA.** *Project Engineer* - Ms. Nissen was responsible for the conceptual layout and subsequent final design for replacing approximately 7,000 feet of the existing 2-lane rural roadway with a 4-lane divided roadway with a raised median. Project included a double-lane roundabout for the proposed main entrance to the Americana Traditional Neighborhood Development (TND). She was responsible for roadway and roundabout geometrics, plan preparation and construction cost estimates. Also coordinated with the City, LADOTD, subconsultants, and Americana TND engineers.
03/13-02/14	**HIGHWAY 64 BYPASS ROAD: Zachary, LA.** *Project Engineer* - Ms. Nissen was responsible for the design of approximately 4,300 feet of new 4-lane divided roadway with a 16-foot raised median, and 1,700 feet of 2-lane roadway. The project included the study and conceptual design of two double-lane roundabouts. She was responsible for plan preparation, construction cost estimates, determining right-of way requirements for the roundabouts and coordinating with property owners. She coordinated with LADOTD and the subconsultant providing roundabout study and conceptual design.
04/17-07/19	**FILMORE NORTH GROUP B, FEMA RECOVERY ROADS PROGRAM, CITY OF NEW ORLEANS: New Orleans, LA.** *Project Engineer* - As Project Engineer on this pavement reconstruction project for several streets in the Filmore Neighborhood, Ms. Nissen prepared the PS&E for the removal and replacement of exiting asphalt and concrete pavement and drainage structures, as well as replacement of waterline & sewer main. Plan development tasks included horizontal & vertical geometry, subsurface drainage design, and cross section development.

Firm employed by	**G.E.C., Inc.**		
Name	**Christopher Nipper, PE**	Years of relevant experience with this employer	5
Title	Road Design	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engineering	
Active registration number / state / expiration date		43281 / Louisiana / 09-31-2023	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **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 time specified in the applicable MPR(s).
	*Mr. Nipper has 7 years of experience in roadway widening and realignment in both rural and urban environments. In addition, he has designed drainage systems and milling and overlay. Prior to joining GEC, Mr. Nipper worked with LADOTD for more than two years, affording him knowledge of their standards and guidelines required for roadway projects. He is also familiar with AASHTO standards and guidelines and has completed the Traffic Engineering Analysis Process and Report Modules 1-3 training. Mr. Nipper also completed FHWA-NHI-380096 Modern Roundabouts: Intersections Designed for Safety hosted by LADOTD/LTRC.*
02/17-Present	**POWER BLVD. MEDIAN IMPROVEMENTS: Kenner, LA.** *Road Design Engineer* - This project is a shared-use path beginning at W. Esplanade Avenue & ending at Vintage Dr. A 12'-wide concrete shared use path will replace an existing 6'-width path. The wider section allows for a greater level of service that comfortably accommodates bi-directional pedestrian & bicycle use. In addition to the completed concrete path, the project will feature improved pedestrian lighting, a new steel bridge for pedestrians & bicyclists, seating, landscaping, irrigation, donated art, striping, signage, & more. This project connects to the recently completed Erlanger shared use path. Mr. Nipper's responsibilities included completion of construction plans for the shared use path including QA/QC of horizontal & vertical geometry, typical sections, construction phasing, signing & striping & estimated quantities.
2018-Present	**BREC: GREENWOOD MULTI-USE TRAIL PHASE 2: East Baton Rouge Parish, LA.** *QA/QC* - This project involved the design of a multi-use path in a BREC park. Mr. Nipper was involved in the QA/QC of this project and reviewed plans and quantities. The project is currently under construction.
02/19-07/20	**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.
04/19-05/20	**EBR CITY-PARISH, 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.
06/17-2021	**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.
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.
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.

Firm employed by	**G.E.C., Inc.**
Name	**Christopher Nipper, PE** *Continued Resume*
09/20-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Road Design Engineer* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. The project includes replacement of existing bridges at Dawson Creek. Mr. Nipper assisted in preparing the drainage map depicting existing conditions for the 9,730-acre drainage area. Mr. Nipper also developed the soil map for the drainage area and computed the curve number and associated flow through Dawson Creek. (City-Parish Project No. 19-CP-HC-0034)
09/19-Present	**LA SAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Road Design Engineer* - The project involved the design of a shared use path along Airline Highway that would connect to Main St. This path would accommodate pedestrians and bicyclists. The corridor utilizes landscaped bioswales to capture and slow runoff while simultaneously providing beautification of the area. Main St. was redesigned to accommodate on street parking, sidewalks were added down the entire project corridor on both sides, and bicycle lanes were added as well. Mr. Nipper provided the vertical and horizontal alignments for the project, as well as the design for Main St. He provided the hydraulic analysis needed to convert existing open ditches along the project into subsurface drainage systems to capture and slow runoff. Mr. Nipper also provided the estimated quantities and cost estimate.
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.
02/17-08/17	**LA 3152, CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Designer* - This project involved the milling and overlaying of LA 3152. Along with the milling and overlaying, turn lanes were being added, extended, etc., so new pavement sections were designed. Mr. Nipper was involved in checking and correcting the plans. He checked and calculated quantities and the estimated costs associated with this project.
06/17-10/18	**H.012783 / WB VETERANS, SEVERN AVE. – CLEARVIEW PKWY.: Jefferson Parish, Veterans Blvd.** *Co*-Designer – This project involved the milling and overlay of Veterans Blvd. Two new drainage systems were also designed to reduce ponding along the road way. Christopher Nipper was involved with checking the design of the drainage systems, along with the design of the typical sections. He also calculated quantities and estimated costs associated with the project.
09/17-12/18	**CAMP COUSHATTA ROAD IMPROVEMENTS: Allen Parish, LA.** *Designer* - This project involved the design of a new road for the Coushatta Tribe of Louisiana. Mr. Nipper was the designer of the road, drainage structures/systems, and all associated quantities, and the creator of the construction plan set. The road consisted of two eleven foot lanes, with 3 foot outside aggregate shoulders, and ditches on both sides. A subsurface drainage system was designed that tied into an existing subsurface system. Two reinforced concrete box culverts were designed to facilitate the flow of local canals through the new roadway, and one of the canals was realigned. Mr. Nipper calculated the quantities and estimated costs associated with the road and drainage systems.
2018	**US 90 (FUTURE I-49 SOUTH), LA 318 INTERCHANGE, ROUTE US 90: St Mary Parish, LA.** *QA/QC* - GEC was the Owner Verification Firm (OVF) for this Design-Build Project, which includes the CE&I, right-of-way acquisition, and utility relocation. Mr. Nipper was involved in the QA/QC of the construction plans. He checked quantities, and verified that elements of the design met LADOTD standards.
2016-2017	**LA 990, 6TH-ED LEJEUNE (OVERLAY-DRAINAGE): West Baton Rouge Parish, LA.** *Designer* - Mr. Nipper's project involved the milling and overlaying of the existing road, replacing the existing subsurface drainage system to bring it up to current standards, and extending the existing subsurface drainage system. This project required the analysis of the local drainage areas. Mr. Nipper assisted in designing a subsurface drainage system using the collected data from the drainage areas. He computed quantities for the milling/overlaying and the drainage system. The drainage system was designed according to the current LA DOTD standards and guidelines.

Firm employed by	**G.E.C., Inc.**		
Name	**Logan Michel, PE**	Years of relevant experience with this employer	<1
Title	Civil Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2015 / Civil Engineering	
Active registration number / state / expiration date		43970 / Louisiana / 03-31-2024	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Role on this Project: **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 time specified in the applicable MPR(s).
	*Logan Michel, PE has joined GEC's Engineering group with 7 years of experience focused on road design. He was involved in developing all aspects of roadway planning for LADOTD state projects, including bridge spot replacement, roundabouts, overlay projects, and new roadway development. His expertise includes planning and design, project and construction management, and preparation and review of construction data and reports, including cost estimates, specifications, test results and schedules. He provided oversite for major projects and conducted project meetings on design modifications, work progress and safety measures. Mr. Michel has completed the Traffic Engineering Analysis Process and Report Modules 1-3 training.*
03/16-08/19	**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. My responsibilities included all engineering design for civil aspects including plan preparation and production; design of vertical alignment and superelevation, drainage and guardrail design; design of an overlay section; signage and detour layout; crash data study; cost analysis and estimation.
07/17-11/19	**LA 532 OVER I-20 BRIDGE REPLACEMENT: Webster Parish, LA.** *Project Engineer* - This project consisted of replacing a deficient bridge on LA 532 over Interstate 20 onto a new horizontal alignment using phase construction so traffic flow can be maintained throughout the project including all necessary widening and interchange modifications. Portions of the side roads and the ramps connecting LA 532 to I-20 had to be re-designed because LA 532's geometrics changed. My responsibilities included plan production; the design of vertical and horizontal geometry; ramp and overlay design; superelevation design; urban drainage design; signage and detour layout; and cost estimation.
10/18-10/21	**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). My responsibilities included plan production, designing new vertical and horizontal alignments based on design guidelines and hydraulic analysis, geometric design, drainage design for multiple culvert locations (RCB culverts & cross drains), cost analysis and estimation.
09/14-01/22	**BAYOU CHENAL & BAYOU DISCHARGE BRIDGES: Pointe Coupee Parish, LA.** *Project Engineer* - This project consisted of replacing two deficient bridges on LA 413 on the existing horizontal alignment with a 180' and 220' slab span bridge with an on-site diversion bridge. My responsibilities included plan production, designing new vertical alignments based on design guidelines and hydraulic analysis, geometric design of an on-site diversion and multiple side roads/driveways, guardrail and sheet pile layout, cost analysis and estimation.

Firm employed by	**G.E.C., Inc.**		
Name	**Jonathan Philley, EI**	Years of relevant experience with this employer	1
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, 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 time specified in the applicable MPR(s).
	*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. Prior to joining GEC, Mr. Philley worked with HRC Engineers, Surveyors, and Landscape Architects and Pritchard Engineering, affording him knowledge of the standards and guidelines required for roadway projects. He is also very familiar with AASHTO standards and guidelines.*
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 LA DOTD standards and guidelines.
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 LA DOTD standards and guidelines.
2017-2018	**TURKEY CREEK ROAD: Oktibbeha County, MS.** *Designer* - This project involved full depth reclamation of the existing road, adding cement to the new subgrade and new asphalt road. This project required calculating subgrade volume. It required designing superelevation for the curves being realigned with consideration to the nearby intersection. The new road was designed with the current MDOT standards and guidelines.
2019	**THE VILLAGES AT BROOKMONT: Douglas County, GA.** *Designer* - This project involved design of 27 lots for townhomes. It required extending an existing road, lot grading, stormwater drainage and retention, sediment calculations, and erosion control. This project required the analysis of the local drainage areas. Using the collected data from the drainage areas it was determined an existing storm water management pond could be used. Cut and fill volumes were calculated. This project was designed with the current Douglas County standards and guidelines.
2019-2020	**HAMRICK LAKE: Douglas County, GA.** *Designer* - This project involved the permitting of several existing lots. This required lot grading, lot fit, and the design of erosion control measures. Quantities of cut/fill volume, and sediment volumes were computed. This project was designed with the current Douglas County standards and guidelines.
2019-2020	**THE VIEW AT CEDAR MOUNTAIN: Douglas County, GA.** *Designer* - This project involved the permitting of several existing lots. This required lot grading, lot fit, and the design of erosion control measures. Quantities of cut/fill volume, and sediment volumes were computed. This project was designed with the current Douglas County standards and guidelines.
2019-2020	**BRYSON LAKE: Paulding County, GA.** *Designer* - This project involved the permitting of several existing lots. This required lot grading, lot fit, and the design of erosion control measures. Quantities of cut/fill volume, and sediment volumes were computed. This project was designed with the current Paulding County standards and guidelines.

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 time specified in the applicable MPR(s).
	*Brandon Abbott, EI is a 2020 Civil Engineering graduate and former Healthcare Sargent with the United States Army, who has joined GEC's transportation group.His previous experience includes performing design tasks such as 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.*
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.
02/22-08/22	**UPPER WEST FORK CYPRESS BAYOU NO. 1, 2, & 3: Plain Dealing, LA.** *Engineer Intern* - Determined the Economic Impact of the project using guidance from FEMA and NRCS
04/22-06/22	**HANKS DRIVE SIDEWALKS – PHASE 2: Baton Rouge, LA.** *Engineer Intern* - Assisted in the production of final plans for the project.
01/21-02/22	**LADOTD RURAL BRIDGE INITIATIVE: PHASE I NORTH LOUISIANA BRIDGES: North Louisiana.** *Engineer Intern* - Design improvements to existing rural bridges across north Louisiana. Determine the efficacy of existing drainage and structure designs and determine the need for improvements.
04/18-12/18	**PIPELINE EXTENSION THROUGH JENNINGS, LA: Jennings, LA.** *Engineer Intern* - Inspect and make corrections to engineering documents to facilitate the construction of the project to specifications of the client.

Firm employed by	**Intelligent Transportation Systems, LLC**		
Name	**Jonathan Fox, PE, PTOE, PMP**	Years of relevant experience with this employer	7.5
Title	Principal	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		B.S. / 2003 / Civil Engineering	
Active registration number / state / expiration date		33277 / Louisiana / 09-30-2023 2329 / 11-07-2022 1812148 / 04-27-2024	
Year registered	2007 2007 2015	Discipline	Professional Engineer, Civil Professional Traffic Operations Engineer (PTOE) Project Management Professional (PMP)
Contract role(s) / brief description of responsibilities		Role on this Project: **Adaptive Traffic Signal Design (Lead), Traffic Study Updates / MPR 4**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Jonathan Fox, PE, PTOE, PMP, currently serves ITS LLC as a Principal. He has over 20 years of experience in traffic engineering, signal design, ITS design and maintenance, and project management. Jonathan has developed specific expertise in the design of traffic signal systems, communication systems, detection systems, intelligent transportation systems, and the innovative application of adaptive traffic signals. Mr. Fox holds a national certification as a Professional Traffic Operations Engineer (PTOE). Jonathan has completed trainings and certification for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III) and other continuing education courses. He is a certified Project Management Professional (PMP) and an ATSSA Traffic Control Supervisor/Technician.*
08/15-07/19	**SASOL LAKE CHARLES CHEMICAL PROJECT – ADAPTIVE TRAFFIC SIGNAL SYSTEMS (WESTLAKE):** Jonathan was the lead traffic engineer on new traffic signal designs, upgrades, communication design, and integration. He oversaw developing traffic signal plans, simulation models, communication layouts, network design, surveillance, travel time management, and permit applications. Six of these intersection upgrades were integrated by Jonathan's team as the first Adaptive Traffic Signal System deployed in the state of Louisiana (System A). One of the biggest challenges overcome was integrating DOTD's first private cellular network connection. This effort took continuous communications between DOTD District 07, DOTD ITS Section, Div. of Admin. Office of Technology Service, Trafficware, and Verizon Wireless. Once the DOTD Lake Charles ITS Phase 2 project was constructed and accepted, Jonathan oversaw the design and installation of an unlicensed wireless network which removed the recurring monthly cellular service charges for the adaptive system. Jonathan has overseen the design, implementation and integration of the Sasol System B (LA 108 signal corridor) as well as LA 27 (Beglis Rd.) @ LA 379 (Houston Rive Rd.). These were constructed and the adaptive functionality was turned on in July of 2019. These intersection designs used stop bar and setback radar detection as well as wireless and cellular communications. Efforts for Sasol also included design and construction support for a temporary traffic signal on Old Spanish Trail at Prater Road. Jonathan oversaw the design and construction inspection.
06/18-07/19	**US 90 ADAPTIVE CORRIDOR (WESTLAKE):** Jonathan has served as the project manager and overall design lead for the US 90 adaptive traffic signal corridor in Westlake, LA. Designs included preparing updated traffic signal inventory (TSI) forms as well as communications support of two isolated traffic signals. Equipment included in the design consisted of new radar detection and unlicensed wireless communications. Jonathan oversaw the integration of the intersections into the adaptive system in Lake Charles
06/18-07/19	**US 90 ADAPTIVE CORRIDOR (WESTLAKE):** Jonathan served as the project manager and overall design lead for the US 90 adaptive traffic signal corridor in Westlake, LA. Designs included preparing updated traffic signal inventory (TSI) forms as well as communications in support of two isolated traffic signals. Equipment included in the design consisted of new radar detection and unlicensed wireless communications. Jonathan oversaw the integration of the intersections into the adaptive system in Lake Charles.

Firm employed by	**Intelligent Transportation Systems, LLC**
Name	**Jonathan Fox, PE, PTOE, PMP** *Continued Resume*
12/14-Present	**DOTD ITS MAINTENANCE (44-2500, 44-7102. 44-16811) (STATEWIDE):** Served as supervisor engineer for ITS LLC under the existing ITS Maintenance Retainer contract. Roles include project management support, quality control checks, site reviews, as well as investigating options and developing concepts to improve sites. Jonathan's knowledge of the ITS from planning through operations has made him a highly valuable asset to the ITS Maintenance team especially his knowledge of the ITS as it was designed and operated.
2007-2012	**L'AUBERGE BATON ROUGE CASINO & HOTEL OFF-SITE IMPROVEMENTS (BATON ROUGE):** This project involved developing signal plans for offsite signal improvements at the intersections of Nicholson and Gardere, Bluebonnet and Nicholson, Burbank and Bluebonnet, and Perkins and Siegen. The project called for completely new traffic signal equipment at the Nicholson and Gardere intersection. Modifications and additions to the existing traffic signal equipment were required at the other intersections. Jonathan led the design efforts for the traffic signals and fiber optic communications plans as well as obtained DOTD traffic signal permits.
2007 – 2010	**I-12 RAMP METERING DESIGN AND IMPLEMENTATION (EAST BATON ROUGE PARISH):** Jonathan provided signal layout design support, quality control and fiber optic communications design for 16 ramp meters in the Baton Rouge area, including plan layouts, fiber allocations, and technical specification. He also handled construction administration, fiber inspection, fiber test review, and integration coordination. This was the first implementation of ramp metering in the state of Louisiana.
10/12 – 12/14	**BATON ROUGE ITS PHASE 3 (BATON ROUGE):** Jonathan oversaw the System Engineering Analysis (SEA) document for the project in compliance with the FHWA Rule (23 CFR Part 940.11) to determine project scope and analyze implementation constraints including minimizing the impact of construction on the traveling public and using existing fiber optic communications. Several ITS deployments projects were solely focused on the core urban area, leaving gaps west of the west of the Mississippi River (Iberville and West Baton Rouge Parishes), and east of the City in Livingston Parish. The solution to meet the LADOTD's goal of the Baton Rouge ITS Phase 3 project was to supplement the area with 16 additional closed circuit television video cameras, 5 dynamic message sign sites, 1 HUB site, 30 Bluetooth detection sites, 1 travel time message sign (first in the state), and 8 ramp meters that cover five parishes over, 50 miles, to help with key blind areas. Jonathan led the development of the full plan set from conception to Final Plans.
11/12 – 12/14	**H.010138 SUNSHINE BRIDGE ITS DEPLOYMENT (SORRENTO):** Jonathan managed all tasks from system engineering through deployment of final design package. He oversaw the development of the project level SEA for the deployment of a closed-circuit television camera system along LA 22 and LA 70 including the Sunshine Mississippi River Bridge. He overcame project challenges including determining how permitted fiber communications assets would be used, structure mounted conduit systems, and handling ongoing bridge painting construction. He developed a conceptual design to have the camera support mount directly to the bridge pier cap instead of the bridge's steel members to reduce maintenance. He also oversaw the analysis report, developed plans, specifications, and provided cost estimates.
2008 — 2009	**BATON ROUGE DOWNTOWN TWO-WAY STREETS PROJECT (BATON ROUGE):** This project involved developing signal plans for intersections affected by the transition from one-way operation to two-way, including the intersections of South Blvd at S. Phillip and St. Louis Streets, Government St at St. Louis and St. Ferdinand Streets, and North Blvd at St. Louis and St. Ferdinand Streets. Jonathan led the signal design efforts which included signal plans, wiring diagrams, timing plans, and fiber optic communications.
04/16 – 07/18	**ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) ITS SPECIFICATIONS (STATEWIDE AL):** ALDOT desired an upgrade of their special provisions into a standard specification in order to bring consistency throughout the state on ITS equipment. Jonathan's vast experience in design of ITS deployment projects as well as firsthand knowledge of what works from being part of ITS maintenance, made him the ideal project manager. The specifications developed included material and construction for a plethora of items: fiber optic communications infrastructure, network switches and wireless radios, CCTV cameras, dynamic message signs, vehicle detection systems, ITS cabinets, environmental sensors, and an assortment of miscellaneous related ITS items. This required assessing multiple manufacturers and models for each device type. Further, Jonathan oversaw and supported the development of material lab test provisions for the equipment as well as acceptance testing provisions.

Firm employed by	**Intelligent Transportation Systems, LLC**		
Name	**Clarke Chauvin, PE, PTOE, PMP**	Years of relevant experience with this employer	6
Title	Project Engineer	Years of relevant experience with other employer(s)	3.5
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		41770 / Louisiana / 09-30-2023 4337 / International / 11-20-2023 1812148 / National / 11-31-2023 IMSA No. BE_125780 / National / 09-18-2022	
Year registered	2017 2017 2020	Discipline	Professional Engineer, Civil Professional Traffic Operations Engineer (PTOE) Project Management Professional (PMP)
Contract role(s) / brief description of responsibilities		Role on this Project: **Adaptive Traffic Signal Design / MPR 4, 5**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Clarke Chauvin, PE, PTOE, PMP currently serves ITS LLC as a Project Engineer. He has over ten years of experience in traffic engineering, including roadways, signal systems, ITS design, communications design, CE&I, and maintenance. He has spent most of his professional career specializing in traffic signals, ITS design, maintenance, and all other aspects of design and implementation of technology for traffic purposes throughout the state. Clarke also has over 20 years of electrical experience which has been an asset with the design and implementation of traffic signals and ITS devices. Clarke has completed trainings and certification for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III) and other continuing education courses. He is a certified Project Management Professional (PMP), ATSSA Traffic Control Supervisor/Technician, and has certification as an IMSA Traffic Signal Technician – Level II.*
08/15 – 07/19	**SASOL LAKE CHARLES CHEMICAL PROJECT – ADAPTIVE TRAFFIC SIGNAL SYSTEMS (WESTLAKE):** In support of the $8.9 billon ethane cracker chemical plant expansion, Clarke provided signal design support for multiple intersections. His efforts included developing preliminary signal permit plans, developing timing models, conducting field investigations, providing quantities, constructability reviews, and signal construction inspection. Clarke's experience in CE&I make him an excellent resource for design since he's able to identify constructability issues. Additionally, Clarke provided support for the first Adaptive corridor installed in the state of Louisiana. Along Sampson St., an adaptive corridor was implemented and is currently operational. Clarke was involved in the Synchro modeling, TSI documentation, and producing as-built drawings for the system.
02/18 – 07/19	**SYSTEM B (LA 108) ADAPTIVE TRAFFIC SIGNAL CORRIDOR (WESTLAKE):** Clarke was the Project Manager for the implementation of the System B adaptive traffic signal corridor. In addition to allocating IP addresses, configuring devices (both for network communication and signal operation), and managing construction and coordination, Clarke worked to bring an isolated traffic signal into the adaptive system through cellular communication. Clarke worked with DOTD to use a private cellular network to remotely connect to the signal equipment. He configured the cellular modem to allow port forwarding of the devices required for the adaptive system and oversaw the installation and configuration for all of the equipment for these signals. The communication system is currently active and the signals have been integrated into DOTD's adaptive system. Clarke is currently responsible for ongoing maintenance and performance monitoring and has set up network management software to collect performance data and notify ITS LLC and DOTD with issues.
06/18 – 07/19	**US 90 ADAPTIVE CORRIDOR (WESTLAKE):** Clarke performed network design and construction project management for the US 90 adaptive traffic signal corridor in Westlake, LA. In addition to performing the initial field wireless testing to determine appropriate frequency, power, mounting heights, etc., Clarke designed and allocated IP addresses for the various equipment at these intersections. He programmed controllers, switches, radar detection, and wireless Ethernet radios. The communication system is currently active and the signals have been integrated into DOTD's adaptive system. Clarke is currently responsible for ongoing maintenance and performance monitoring and has set up network management software to collect performance data and notify ITS LLC and DOTD with issues.

Firm employed by	**Intelligent Transportation Systems, LLC**
Name	**Clarke Chauvin, PE, PTOE, PMP** *Continued Resume*
03/19 – 04/20	**H.012661 D07 FYA – US 171 ADAPTIVE TRAFFIC SIGNAL CORRIDOR (SULPHUR):** Clarke served as Project Manager in addition to performing network design, integration, and performance monitoring for the Adaptive traffic signal corridor installed in Sulphur, LA. From initial field wireless testing to device configuration and installation to network and traffic performance monitoring, Clarke was involved in creating a quality project with proven reliability and proven performance. Phasing construction to set up communications prior to the Adaptive turn on in November 2019 allowed ITS LLC to create a baseline for traffic operations to compare against active Adaptive system operation. ITS LLC also utilized NMS software to evaluate the network communications for speed, uptime, and reliability. Performance monitoring for the project is ongoing.
04/19 – 05/20	**LA 1256 (RUTH ST.) ADAPTIVE TRAFFIC SIGNAL CORRIDOR (WESTLAKE):** In order to create an adaptive traffic signal corridor along LA 1256, Clarke designed the communications network which would be responsible for handling all of the live traffic data for the corridor. For the adaptive corridor to function optimally, constant communication is required between the traffic signal and adaptive server at DOTD D07's TMC. Clarke allocated IP addresses for the devices and equipment at each signal along the corridor. He evaluated the path required for VLAN through an existing DOTD fiber optic ring for communication between the project site and DOTD D07 TMC. He performed wireless testing to evaluate whether 2Ghz or 5Ghz band frequencies would provide better performance along the corridor. He determined proper configuration for each network switch and wireless radio along the corridor. Clarke serves as Project Manager in addition to performing network design.
02/16 – Present	**DOTD ITS MAINTENANCE (44-7102. 44-16811), STATEWIDE LOUISIANA:** Clarke has served as a pre-professional and now as engineer for the existing ITS Maintenance Retainer. He has performed routine maintenance on emergency crossover gates, travel time message system, CCTV camera sites, RVD sites, ramp meter sites as well as DMS sites. His skills include, but are not limited to, device troubleshooting, communication and network troubleshooting, parts replacement, site cleaning, insect extermination, traffic control setup, as well as coordinating with law enforcement, TMC operations staff, and DOTD. Let's not forget his investigation to find solutions for maintenance problems. For example, Clarke recently located a short and replaced access control boards in the Twinspan crossover gate system which allowed it to be brought back into operation. In addition to setting up monitoring for recent hub site generators, Clarke determined a solution for monitoring all existing generator sites. Clarke also designs platforms for hard to reach handholds at camera sites, usually on three way slopes. Clarke carries a Class D license to drive bucket trucks used in maintenance operations.

Firm employed by	**Intelligent Transportation Systems, LLC**		
Name	**Diane C. Hammonds, PE, PTOE, RSP$_1$**	Years of relevant experience with this employer	<1
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization		B.S. / XXXX / Civil Engineering	
Active registration number / state / expiration date		40749 / Louisiana / 09-30-2022 7113 / International / 12-19-2022 798 / 03-14-2025	
Year registered	2016 2016 2022	Discipline	Professional Engineer, Civil Professional Traffic Operations Engineer (PTOE) Road Safety Professional – Level 1
Contract role(s) / brief description of responsibilities		Role on this Project: **Traffic Study Update, Adaptive Traffic Signal Design**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Diane C. Hammonds, PE, PTOE, RSP1, currently serves ITS LLC as a Senior Transportation Engineer. She has over 17 years of experience in traffic engineering specializing in Traffic/Transportation Engineering and Transportation Planning projects including traffic impact assessments, traffic signal design systems, traffic simulation modeling, access management reviews, safety studies, roundabout analysis and design as well as permit reviews and coordination. Ms. Hammonds has successfully completed hundreds of successful traffic & transportation projects. Her unique skills to bring both the client and reviewing agency to agreement on the final product is an asset to the projects she is involved in. She has completed training in HCS, Synchro, Roundabouts and the HSM and is proficient in Synchro, SimTraffic, HCS, VISTRO, SIDRA, CRASH 1, CRASH 3 and Microstation. Diane holds national certifications as a Professional Traffic Operations Engineer (PTOE) and Road Safety Professional (RSP1). Diane has completed trainings and certifications for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III), the Highway Safety Manual, and other continuing education courses.*
08/19 – 03/20	**LA-93 AT WESTGATE SIGNAL (SCOTT):** Diane served as the Technical Lead, Analyst and Design Engineer for the modification of the intersection to add a traffic signal. The temporary traffic signal at the intersection was needed to accommodate traffic during construction and closure of an adjacent roadway. Diane prepared the volumes forecasting and capacity analysis as well as report documentation, and signal design. The approval coordination included the LADOTD District 03 staff as well as Headquarters and the Lafayette Consolidated Government.
01/22 – 05/22	**TRAFFIC SIGNAL – LA-433 AT TOWN CENTER PARKWAY (ST. TAMMANY PARISH):** Diane served as the Engineer of Record and Lead Traffic Engineer for an Intersection Control Evaluation (ICE) analysis for the intersection of LA-433 (Old Spanish Trail) at Town Center Parkway. The scope of services includes providing traffic engineering analyses, traffic signal design, and permit assistance to Stirling Properties as required by the LADOTD. The evaluation included an MUTCD 2009 Edition Traffic Signal Warrant Evaluation, a crash review for a three (3) year period that included diagrams, locations, and summaries, an existing operating analysis, and an alternative intersection control for a traffic signal, an all-way stop, a roundabout, an R-Cut, and median UTurns.
08/21 – 05/22	**RAILROAD TRAIL PROJECT SIGNAL & PEDESTRIAN CROSSING DESIGN, LOUISIANA TECH UNIVERSITY (RUSTON):** Diane served as the Lead Traffic Engineer for the design and development of construction plans for the Tech Drive at Railroad Avenue Signal and Pedestrian Crossing, which included traffic evaluation, engineering design for the installation of accessible pedestrian signals (APS), and pavement markings as part of FHWA BUILD Grant for pedestrian improvements throughout the Louisiana Tech campus and the City of Ruston.
08/19 – 06/21	**S.P. NO. H.009932 US 80 WIDENING:** Vancil Rd to Well Rd EA (Ouachita Parish): Diane served as a traffic engineer for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. She has assisted in the existing/no-build, safety, and alternatives capacity analysis reports, which have been approved by LADOTD. She analyzed project impacts by coordinating and assisting in developing the line and grade study, cost estimates, and conceptual plans.

Firm employed by	**Intelligent Transportation Systems, LLC**		
Name	**Kimberly McDaniel, PE, PTOE, PTP**	Years of relevant experience with this employer	<1
Title	Senior Transportation Engineering Manager	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization	B.S. / 2003 / Civil Engineering; M.S. / 2006 / Civil Engineering		
Active registration number / state / expiration date	32973 / Louisiana / 09-30-2023 2072 / International / 10-02-2022 802 / 03-14-2025		
Year registered	2007 2007 2022	Discipline	Professional Engineer, Civil Professional Traffic Operations Engineer (PTOE) Professional Transportation Planner (PTP)
Contract role(s) / brief description of responsibilities	Role on this Project: **Traffic Study Updates (Lead), Access Management (Lead)**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	*Kimberly McDaniel, PE, PTOE, PTP, currently serves ITS LLC as a Senior Transportation Engineer Manager. She has over 19 years of experience in transportation design & planning, traffic engineering, & project management. She spent 6 years in state service at LADOTD in Traffic Engineering Management where she developed policies & programs related to Complete Streets, Access Management, & Traffic Impacts & served as the subject-matter expert on access management & traffic impacts. The remainder of her career has been spent as a consultant performing a wide variety of traffic engineering, safety assessments, & transportation design & planning projects throughout the states of Louisiana, Texas, and Michigan. She is very knowledgeable in the areas of innovative intersection design & operation, feasibility study requirements, access connection safety & design, corridor studies, interchange modification & justification studies, traffic impact studies, crash analyses, safety studies, low-cost safety improvements, & traffic impact analyses. She holds national certifications as a PTOE & PTP. Kimberly has completed trainings and certifications for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III), the Highway Safety Manual, and other continuing education courses.*
08/21 – 05/22	**RAILROAD TRAIL PROJECT SIGNAL & PEDESTRIAN CROSSING DESIGN, TIPTON ASSOCIATES ON BEHALF OF LOUISIANA TECH UNIVERSITY (LINCOLN PARISH, LA):** Kimberly served as Project Manager for design & development of construction plans for the Tech Drive at Railroad Ave Signal and Pedestrian Crossing, which included traffic evaluation, engineering design, construction plans for the installation of accessible/audible countdown pedestrian signals, and pavement markings as part of FHWA BUILD Grant for pedestrian improvements throughout the Louisiana Tech campus and the City of Ruston. As Project Manager, her duties included LADOTD project coordination, technical and planning review, and overall project management.
09/20 – 05/21	**LA 93 TRAFFIC IMPACT STUDY (LAFAYETTE PARISH):** Kimberly served as the Project Principal for a traffic and safety evaluation for the City of Scott. The study included traffic impact studies for three proposed developments, two Intersection Control Evaluations (ICE), and a safety evaluation, all of which was required to conform to the LADOTD Traffic Engineering Process and Report requirements.
08/19 – 03/20	**LA-93 AT WESTGATE SIGNAL (SCOTT):** Kimberly was the Engineer of Record and Project manager for the preparation of the Intersection Control Evaluation (ICE) report which resulted in the approval of a temporary traffic signal at the intersection in to relieve traffic congestion due to an adjacent road closure. She also managed the design of the temporary signal and associated construction plans and LADOTD Permitting Process. This study was completed in accordance with the LADOTD TEPR requirements.
01/19 –04/20	**S.P. NO. H.001271 CANE RIVER BRIDGE CHURCH STREET EA (NATCHITOCHES PARISH, LA):** Ms. McDaniel served as the Lead Traffic Engineer for this Environmental Assessment for the replacement of the Cane River Bridge. She was responsible for the analysis of multiple future traffic scenario alternatives as well as three different complex detour scenarios for the replacement of the Cane River Bridge. She assisted with the development of the final EA document which received approval on the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in Louisiana. She assisted in the development a Finding of No Significant Impact (FONSI) document, which was approved by FHWA and LADOTD. Ms. McDaniel also assisted in coordinating public and agency outreach activities

Firm employed by	**Bonton Associates**		
Name	**Marcus Bonton, PE**	Years of relevant experience with this employer	1.5
Title	Transportation Principal	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		B.S. / 2008 / Civil Engineering	
Active registration number / state / expiration date		40389 / Louisiana / 09-30-2022	
Year registered	2016	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 time specified in the applicable MPR(s).
	*As Transportation Principal, Marcus brings over 12 years in developing, managing, and delivering transportation design and planning projects for federal, state, and municipal clients, including LADOTD. He has managed and supervised transportation projects for design studies, LADOTD Stage 0, roundabout design, corridor improvements, pavement rehabilitation design. Training Certifications: NHI Course No. 142005 "NEPA and the Transportation Decision-making Process", ATSSA Traffic Control Design Supervisor, Highway Safety Manual, LADOTD Traffic Engineering Process & Report (Modules 1-3), NE Roundabouts Level 1 & 2 Training*
08/21 - 06/23	**H.010652.5 / LA 73: US 61 (AIRLINE) – ESSEN LANE (LADOTD):** Technical Lead: Provided technical oversight and QC-QA of design plans for roadway rehabilitation, sidewalk repair, curb gutter repair/replacement, and installation of Americans with Disabilities Act (ADA) facilities in compliance with LADOTD design guidelines.
07/21 – 03/22	**20-EN-HC-0053 / FAIRFIELDS AVE. AREA ADA TRANSITION (CITY OF BATON ROUGE-MOVEBR):** Technical Lead QC-QA: Technical lead QC-QA and the development of design plans (Preliminary and Final) for proposed ADA barrier improvements (sidewalk repair/replacement, curb, and gutter, handicap ramps, crosswalks, etc.), site plan details, special provisions, repair schedule, and cost estimates.
05/21 – 09/22	**20-EN-HC-0028 / S. HARRELL'S FERRY RD. MULTI-USE PATH (CITY OF BATON ROUGE-MOVEBR):** Technical Lead: Provided technical oversight and QC-QA for the preliminary and final design plans for a multi-use path, ADA compliant facilities, and striping modifications to increase pedestrian and bicycle mobility along S. Harrell's Ferry Rd. and connectivity to existing sidewalks.
11/20 – 11/21	**20-CP-HC-0017 / ARDENWOOD-LOBDELL CONNECTOR DESIGN STUDY (CITY OF BATON ROUGE-MOVEBR):** Project Manager: Managed the prep-aration and completion of the project design study, which included: proposed line & grade alternatives, intersection improvements, access management, bicycle lanes and sidewalks, roadway widening, pedestrian facility design and safety measures, drainage, green infrastructure, pond site analysis, and exhibits.
11/19 – 12/20	**RR120- MARLYVILLE-FONTAINEBLEAU GROUP E (CITY OF NEW ORLEANS):** Project Manager: Managed the preparation and submittal of design plans and specifications for full-depth roadway replacement, sidewalk/curb ramps repair, subsurface drainage, water, sanitary sewer design, and driveways adjustments under the Joint Infrastructure Program (JIRR).
01/16 – 03/17	**H.012295.1 / LA 182 NEW IBERIA PRESERVATION AND SIDEWALKS STAGE 0 FEASIBILITY STUDY, (LADOTD):** Project Designer: Assisted in developing alternatives to provide ADA compliant curb ramps, driveway crossings, crosswalk locations, access management, evaluation of pedestrian and bicycle safety considerations, and traffic control improvements along LA 182. Any necessary utility relocations were also identified.
05/15 – 02/17	**H.011358.1 / VINE STREET CORRIDOR STAGE 0 FEASIBILITY STUDY, (LADOTD):** Project Designer: Supported the development of alternatives to evaluate the resolution of roadway geometry and clear zone inadequacies. As part of the Study, design criteria, typical sections, subsurface Utility Engineering (SUE) findings and exhibits, roadway safety improvements, existing pedestrian facilities, cost estimates, ROW, environmental impacts, and social impacts were evaluated taken into consideration. LADOTD Stage 0 Checklists were also completed. The evaluation results were presented in a Stage report document and project conceptual layout exhibits in compliance with LADOTD guidelines.

Firm employed by	**Bonton Associates**		
Name	**Darius Bonton, PE, MBA**	Years of relevant experience with this employer	10
Title	Principal/Project Delivery	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		B.S. / 2002 / Civil Engineering; MBA / 2018 / Finance	
Active registration number / state / expiration date		34696 / Louisiana / 09-30-2023	
Year registered	2009	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 time specified in the applicable MPR(s).
	*Darius has 18+ years of experience in implementing strategy, development, management, and delivery of transportation, water resources, civil design, planning, and client program management solutions. He has managed environmental impact statements (EIS) and Environmental Assessments (EA) for transportation improvements under NEPA regulations, Stage 0 Retainers, developed project and design delivery strategies/workflows, water system master planning, wastewater collection system planning for roadway restoration design, and utility coordination, and design calculation models. Relevant Certifications: NEPA Training – NEPA and Transportation Decision Making Process, NHI Course No. 142005, 2008, Linking Freight to Planning and the Environment, NHI Course No. 139005, 2010/Alternative Impacts Assessments*
09/14 – 03/15	**14-SW-HC-0009 / LSU AVENUE SIDEWALKS (YALE STREET TO WEST LAKESHORE) (CITY OF BATON ROUGE):** Principal/Designer: Responsible for the development of the new 4' & 6' sidewalks, retaining wall, and landscaping improvements for the Design Study, Preliminary, and Final Plans submittals. Developed the line and grade for the sidewalk facilities were developed along with typical sections, details, geometric layout sheets, design calculations, and quantities.
09/14 – 10/16	**15-SW-HC-0022 / CHRISTIAN STREET SIDEWALK IMPROVEMENTS (EAST LAKESHORE DRIVE TO PERKINS ROAD) (CITY OF BATON ROUGE):** Princi-pal/Designer: Responsible for the Preliminary & Final Plans for new 5' sidewalks, proposed drainage culverts, and landscaping improvements. Developed the line and grade for the pedestrian facilities, typical sections, details, geometric layouts, the rational methods of stormwater runoff analysis were applied for new culverts, roadside ditches, engineering calculations, and quantities were completed.
12/17 – 07/18	**16-SW-HC-0040 / HARDING BLVD. PEDESTRIAN IMPROVEMENTS (CITY OF BATON ROUGE):** Principal: Responsible for developing sidewalks, ADA ramps, and other improvements along Harding Blvd. between Plank Road and BREC Scotlandville Parkway in compliance with ADA and City-Parish Guidelines. Developed the line and grade for the pedestrian facilities and implemented rational methods of stormwater runoff analysis were applied for new culverts and roadside ditches.
03/18 – 10/18	**16-SW-HC-0041 / CENTRAL RD. IMPROVEMENTS PROJECT (CITY OF BATON ROUGE):** Principal: Responsible for developing new sidewalk fa-cilities, sidewalk underdrain system, and ADA compliant facilities (curb ramps) for the Design Study, Preliminary, and Final Plans. Developed the line and grade for the pedestrian facilities, typical sections, details, engineering calculations, and quantities.
08/19 – 01/20	**18-SW-HC-0021 / SILVERLEAF AVENUE PEDESTRIAN IMPROVEMENTS (CITY OF BATON ROUGE):** Principal/Technical Lead: Provided technical oversight and QC-QA to develop the line and grade for the pedestrian facilities and the rational methods used for the stormwater runoff analysis applied to new culverts and roadside ditches.
01/19 – 01/20	**18-SW-HC-0019 / N. HARRELL'S FERRY RD. PEDESTRIAN IMPROVEMENTS (CITY OF BATON ROUGE):** Principal/Technical Lead: Provided technical oversight and QC-QA to develop the line and grade for the pedestrian facilities (including sidewalks, ADA ramps, and other improvements) in compliance with ADA and City-Parish guidelines and the rational methods used for the stormwater runoff analysis applied to new culverts.

Firm employed by	**Bonton Associates**		
Name	**LaDarien Beene, PE, PTOE**	Years of relevant experience with this employer	1
Title	Project Manager	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	B.S. / 2013 / Civil Engineering		
Active registration number / state / expiration date	45333 / Louisiana / 09-30-2023 500062 / Louisiana		
Year registered: 2021 2021	Discipline: Professional Engineer, Civil Professional Transportation Operations Engineer (PTOE)		
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 time specified in the applicable MPR(s).
	*As Project Manager, LaDarien specializes in managing and overseeing all transportation projects at Bonton, emphasizing road, traffic analysis, and data collection, and is adept at applying AASHTO, ADA, PROWAG, MUTCD, LADOTD, and MOVEBR guidelines and compliance to all design projects. He also has extensive knowledge analyzing safety conditions to identify safety countermeasure recommendations for preliminary and final design plans. He brings a unique understanding of LADOTD's processes and procedures from his time as an intern and traffic engineer. Training Certifications: NHI Course No. 142005 "NEPA and the Transportation Decision-making Process", LADOTD Traffic Engineering Process & Report (Modules 1-3)*
01/22 - Present	**20-EN-HC-0061 / EVANGELINE ST. (WEST) AREA ADA TRANSITION (CITY OF BATON ROUGE-MOVEBR):** Project Manager: Manages the project delivery team to develop design plans (Preliminary and Final) for proposed ADA barrier improvements (sidewalk re-pair/replacement, curb, and gutter, handicap ramps, crosswalks, etc.), site plan details, special provisions, repair schedule, and cost estimates.
08/21 - 06/23	**H.010652.5 / LA 73: US 61 (AIRLINE) – ESSEN LANE (LADOTD):** Project Manager: Manages the preparation of design plans for roadway rehabilitation, sidewalk repair, curb gutter repair/replacement, and installation of Americans with Disabilities Act (ADA) facilities in compliance with LADOTD design guidelines.
05/21 – 09/22	**20-EN-HC-0028 / S. HARRELL'S FERRY RD. MULTI-USE PATH (CITY OF BATON ROUGE-MOVEBR):** Project Manager: Manages the preparation of preliminary and final design plans for a multi-use path, ADA compliant facilities, and striping modifications to increase pedestri-an and bicycle mobility along S. Harrell's Ferry Rd. and connectivity to existing sidewalks.
07/21 – 03/22	**20-EN-HC-0053 / FAIRFIELDS AVE. AREA ADA TRANSITION (CITY OF BATON ROUGE-MOVEBR):** Project Manager: Manages the project delivery team to develop design plans (Preliminary and Final) for proposed ADA barrier improvements (sidewalk repair/replacement, curb, and gutter, handicap ramps, crosswalks, etc.), site plan details, special provisions, repair schedule, and cost estimates.
03/21 – 11/21	**20-EN-HC-0052 / FUQUA ST./GRACIE ST. AREA ADA TRANSITION (CITY OF BATON ROUGE-MOVEBR):** Project Manager: Managed the preparation and delivery of design plans (Preliminary and Final) for proposed ADA barrier improvements (sidewalk repair/ replacement, curb, and gutter, handicap ramps, crosswalks, etc.), site plan details, special provisions, repair schedule, and cost estimates.
11/20 – 11/21	**20-CP-HC-0017 / ARDENWOOD-LOBDELL CONNECTOR DESIGN STUDY (CITY OF BATON ROUGE-MOVEBR):** Project Manager: Managing the final design phase, which includes: proposed line & grade alternatives, intersection improvements, access management, bicycle lanes and sidewalks, roadway widening, pedestrian facility design and safety measures, drainage, green infrastructure, pond site analysis, and exhibits.

17. Firm Experience

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Road**
Project Name	**Palmisano Blvd. Improvements**	Firm responsibility (prime or sub?)	Prime
Project Number	N/A	Owner's Name	St. Bernard Parish Government
Project Location	Chalmette, Louisiana	Owner's Project Manager	Matthew Falati, PE
Owner's address, phone, email	8201 W. Judge Perez Drive, Chalmette, LA 70043, (504) 278-4314, mfalati@sbpg.net		
Services commenced by this firm (mm/yy)	07/16	Total consultant contract cost ($1,000's)	$ 6,793
Services completed by this firm (mm/yy)	06/18	Cost of consultant services provided by this firm ($1,000's)	$ 414

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

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

GEC was selected by the St. Bernard Parish Government to provide professional engineering services for the design and construction administration of a concrete multi-use path, roadway and bridge replacement, and drainage improvements on Palmisano Boulevard in Chalmette.

GEC designed a 10 ft. wide multi-purpose trail (bike/pedestrian) to establish a link to area facilities and to provide beautification, accessibility, mobility, and safety, as well as improved access to area facilities for all residents.

For this HMGP-funded project, GEC provided project management services associated with the design and construction of drainage repairs and improvements, including increased drainage station pumping capacity for an area of Palmisano Blvd. near Plaza Drive. The purpose of this project is to relieve an area approximately 100 acres in size from recurrent ponding during normal rainfall events. Improvements included upgrading the existing pump station to 30,000 GPM drainage pump station, installation of 4,400 l.f. of 1x6 box culverts, and re-shaping 1,800 l.f. of existing ditch. The Palmisano drainage system consists of more than 100 acres of land that drains over ground surface through storm drain pipe and is directed via pump to an earthen ditch. The ditch runs approximately 4,900 feet to the 20 Arpent Canal. The improvements provide protection under the 100 year flood guidelines for the area surrounding Palmisano Blvd., which had been impacted by drainage problems following Hurricane Katrina. FEMA provided federal assistance through the Hazard Mitigation Grant Program (HMGP) to reduce or eliminate the long term risk to people and property from such natural hazards. GEC also completed the application package for FY10 LCDBG Drainage Improvements. GEC designed improvements to the drainage system encompassing Plaza Dr. and Palmisano Blvd. from E. St. Bernard Hwy. to the outfall on the 20 Arpent Canal, including improvements to the lift station, which required a new concrete foundation and adjacent concrete pavement. GEC also designed upgrades of the pumping station's outfall into the Palmisano drainage system to relieve the recurring ponding during rainfall events. Improvements included increased pumping station capacity and modifications to the drainage ditch on St. Bernard Highway. GEC completed all hydraulic modeling using ICPR software and SCS methods. In addition, GEC designed the replacement of the undersized culverts below St. Bernard Hwy. by installing 400' of 58" x 36" RCPA, approximately 2,000 L.F. of 8'x 4' and 2,500 L.F. of 10'x 6' pre-cast concrete box culverts in the open ditch along Palmisano Blvd. The drainage improvements were completed utilizing concrete in various functions, including concrete drainage station structure, installation of reinforced concrete pipe conflict boxes, precast concrete box culverts to replace the existing canal along the east side of Palmisano Blvd., and concrete pavement for streets, catch basins, curbs, crosswalks, and a shared use path.

In September 2020, the ACEC of Louisiana Engineering Excellence Awards Judges Panel selected the Palmisano Boulevard Improvements project as a Grand Award Category Winner for the Water Resources Category.

Firm Members Involved: Tom Swanson

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Road**
Project Name	**Columbia Parc City Streets and Clinic/Gym Parking**	Firm responsibility (prime or sub?)	Prime
Project Number	N/A	Owner's Name	City of New Orleans
Project Location	New Orleans, Louisiana	Owner's Project Manager	Xavier Chavez
Owner's address, phone, email	1300 Perdido Street, New Orleans, LA 70112, (504) 228-0374, xchavesreyes@nola.com		
Services commenced by this firm (mm/yy)	2007	Total consultant contract cost ($1,000's)	$ 7,500
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$ 700

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 project included civil and landscape architectural services, including a stormwater analysis in accordance with City of New Orleans codes and ordinances. In addition, bioretention basins featuring plantings focused on native plants provide habitat, biodiversity, beauty, and increase in on-site stormwater retention.

GEC was chosen to provide professional services including planning, design, and construction administration for the demolition and reconstruction of approximately 12,350 linear feet of existing city streets for the new housing which would become known as the Columbia Parc housing revitalization. The new housing included 426 new modern residential units to replace the dilapidated units. GEC's design conformed to the City of New Orleans standard street cross section and included new ADA-accessible intersections. The project was constructed in three phases.

In the late 1990s, the City of New Orleans began planning the redevelopment of the St. Bernard neighborhood public housing complex, which was constructed in the 1940s and in a non-repairable state. An opportunity arose shortly after Hurricane Katrina when a private developer was chosen to construct and manage the redevelopment that would help revitalize the neighborhood.

The $12M infrastructure improvements, consisting of new landscaping, green infrastructure, sewer and water systems, street paving, and street lighting, were designed in accordance with requirements of the City and Sewerage and Water Board of New Orleans. Plans and specifications were submitted to and approved by the City of New Orleans Dept. of Public Works and NOSWB.

In 2017, GEC performed civil and landscape architectural services related to a new clinic and gym at Columbia Parc. GEC prepared a stormwater analysis in accordance with recently implemented City codes to address stormwater management and drainage design. GEC's design included over 38,450 square yards (7,500 cubic yards) impervious portland cement concrete roadways, driveways, aisles, and parking spaces. Approximately 12,800 cubic yards of crushed stone was required for the pavement base course.

The new utilities included approximately 10,500 linear feet of 8" and 12" diameter water mains, 8,600 linear feet of 8" diameter sewer mains, and 6,800 linear feet of 15", 18", 21", and 24" diameter concrete drain pipe. The sewer and water systems were designed and constructed in accordance with requirements of the Sewerage and Water Board of New Orleans. Plans and specifications were submitted to and approved by the City of New Orleans Department of Public Works and the Sewerage and Water Board of New Orleans.

To comply with the new stormwater codes, drain inlets from the parking lot lead to bioretention basins featuring plantings focused on native trees, grasses, sedges, and rushes. The new bioswales provide habitat, biodiversity, beauty, and a significant increase of on-site stormwater retention relative to conventional drainage systems. The landscape design also included street trees and parking island plantings.

GEC's professional services included construction phase administration including review of testing laboratory reports, field inspection reports, contractor's payment request, and final inspection of completed work. Upon completion, the work was accepted by the City of New Orleans and the Sewerage and Water Board of New Orleans.

Currently, GEC is providing design of the future expansion of this development and is coordinating the installation of sewer and water connections for the expansion south of Senate Street in coordination with the DPW RR 165 project under construction.

Firm Members Involved: Tom Swanson

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Road**
Project Name	**Power Blvd. Median Improvements (West Esplanade Avenue to Vintage Drive)**	Firm responsibility (prime or sub?)	Prime
Project Number	H.011779 (TAP)	Owner's Name	Linfield Hunter & Junius / City of Kenner
Project Location	Kenner, Louisiana	Owner's Project Manager	Tom Knight
Owner's address, phone, email	3608 18th Street, Metairie, LA 70002, (504) 833-5300, tknight@lhjunius.com		
Services commenced by this firm (mm/yy)	10/14	Total consultant contract cost ($1,000's)	$ 2,700
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$ 315

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.

In 2014, GEC was selected by the City of Kenner to design a shared use path (bike and pedestrian) along the Power Boulevard median, from West Esplanade Avenue to Vintage Drive. This project establishes a vital link to the existing Lake Pontchartrain Multipurpose Path, improving bike and pedestrian circulation within Kenner.

The primary feature of the project, a 12'-wide concrete path, provides a high-quality experience and significant upgrade in level of service compared to the original 6'-wide path. The meandering pathway, designed by GEC, comfortably accommodates bidirectional pedestrian and bicycle use and connects to the newly constructed 12' path that runs from Vintage to Lake Pontchartrain.

GEC's services included (A) Preliminary Phase, which included a topographic survey and development of design criteria; (B) Design Phase, which included preparation of detailed construction plans and specifications and construction cost estimates; (C) Bidding Phase; (D) Construction Phase, which included review of shop drawings, samples and material tests as well as periodic job site visits as necessary; and, (E) Record Drawings. Construction of the project will utilize funding by the Transportation Alternatives program administered by LADOTD with matching funding requirements coming from the City of Kenner. The Power Boulevard Shared Use Path (bicycle/pedestrian) project will also feature pedestrian lighting, a pedestrian crossing of the Vintage Canal, landscaping, public art, striping, and signage.

In February 2019, GEC received an amendment to the contract to revise the preliminary plans. GEC is currently awaiting 95% final plans comments from DOTD submitted in March 30, 2022.

Firm Members Involved: Jerome Lohmann, Chris Nipper, Tom Swanson

GEC designed a shared-use path, improving bike and pedestrian circulation within Kenner.

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Road**
Project Name	**Clearview Parkway (LA 3152) Operational Improvements**	Firm responsibility (prime or sub?)	Prime
Project Number	N/A	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)	$ 1,250
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.)

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

GEC provided 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 provided intersection safety, operational, and accessibility analysis.

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

Firm Members Involved: Tom Swanson, Jerome Lohmann, Chris Nipper

Firm Name	**G.E.C., Inc.**	Past Performance Evaluation Discipline(s)*	**Road**
Project Name	**Greenwood Park Multi-Use Trail Phase II**	Firm responsibility (prime or sub?)	Prime
Project Number	H.012022	Owner's Name	BREC
Project Location	Baton Rouge, Louisiana	Owner's Project Manager	Reed Richard
Owner's address, phone, email	3700 Florida Blvd., Baton Rouge, LA, (225) 272-9200, rrichard@brec.org		
Services commenced by this firm (mm/yy)	06/16	Total consultant contract cost ($1,000's)	$ 2,100
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm ($1,000's)	$ 300

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

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

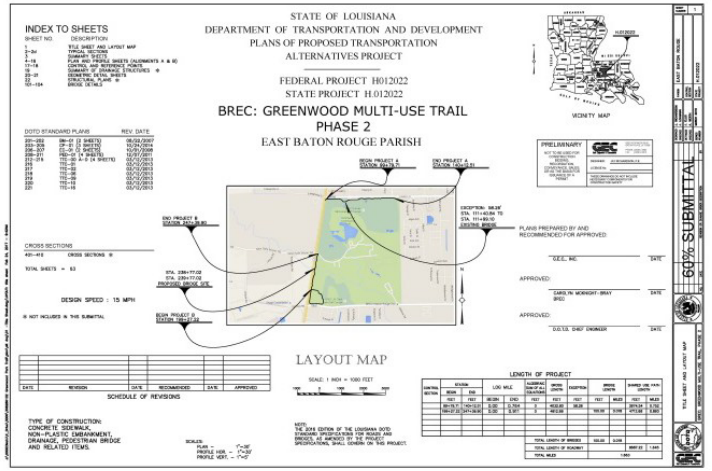
GEC designed a multi-use pathway (bike and pedestrian) along the perimeter of Greenwood Park in North Baton Rouge. The existing Phase I Trail traverses east along Lavey Lane, parallel to the roadway, with a vegetation buffer zone, and extends to the end of the park property. The Hwy 19 trail segment starts at the Park entrance where Phase I ends, and extends southward to Thomas Road, parallel to the roadway, with a vegetation buffer zone. The trail ends at the Clark Park entry road on Thomas Road. This segment includes a prefabricated steel pedestrian bridge across Cypress Bayou. GEC's design included the addition of appropriate signage, striping, and drainage improvements, where suitable.

GEC also prepared a wetland delineation report which was submitted to the New Orleans District, Corps of Engineers for a jurisdictional determination. GEC's wetland analysis/delineation for the replacement project was performed in accordance with Section D, Subsection 2 of Technical Report Y-87-1, Corps of Engineers Wetlands Delineation Manual as well as the Atlantic and Gulf Coastal Plains Regional Supplement.

All construction documentation was reviewed by LADOTD. Construction, completed in 2018, utilized funding by the Transportation Alternatives Program administered by the LADOTD, with matching funding requirements coming from BREC. All design was completed in accordance with AASHTO, DOTD, and NACTO requirements.

Construction of the project has begun and GEC's Construction Department is performing inspection services.

GEC designed a multi-use pathway to provide access, connectivity, and safety for all users in the park.



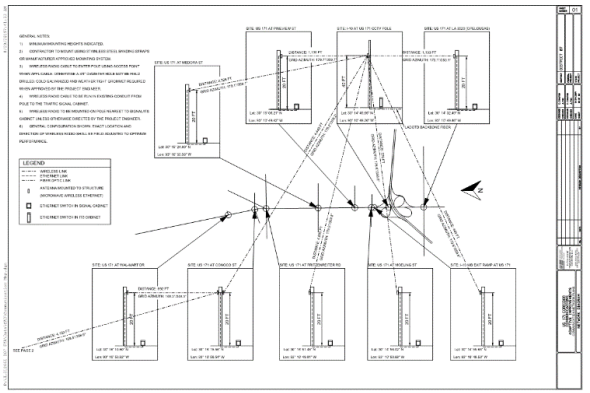
Firm Members Involved: Jerome Lohmann, Chris Nipper

Firm Name	**Intelligent Transportation Systems, LLC**	Past Performance Evaluation Discipline(s)*	**Traffic**
Project Name	**Lake Charles FYA – US 171 Adaptive and LA 14 Adaptive**	Firm responsibility (prime or sub?)	Sub
Project Number	H.012661	Owner's Name	Louisiana Department of Transportation & Development
Project Location	Lake Charles, LA	Owner's Project Manager	Tyson Thevis
Owner's address, phone, email	5827 Hwy. 90 East; Lake Charles, LA 70615 | 337.437.9200 | Tyson.thevis@la.gov		
Services commenced by this firm (mm/yy)	07/2019	Total consultant contract cost ($1,000's)	306.5
Services completed by this firm (mm/yy)	12/2019	Cost of consultant services provided by this firm ($1,000's)	306.5

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

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

The traffic signal systems on US 171 and LA 14, designed by ITS LLC, represent Louisiana's largest corridor deployment of Adaptive traffic signals. US 171, stretching from Lake Charles to Moss Bluff, is a major route for commuters in and out of the city. This signal corridor contains eleven traffic signals in just over five miles. Additionally, this project included a second eight-signal corridor further south along LA 14 which is currently under construction. With no existing DOTD communications in the area of the LA 14 corridor, ITS LLC designed and implemented a 3.5 mile wireless radio shot to provide the required communications from the LA 14 corridor to the SynchroGreen Adaptive management server at the LADOTD District 07 Office.



Technology Integration: ITS LLC worked with Trafficware/Cubic and LADOTD District 07 to integrate these signals into DOTD's existing SynchroGreen system and ATMS.now. In addition to performing configuration on a variety of devices including switches, radios, Bluetooth detection, signal controllers, and vehicle detection, ITS LLC set up solutions to monitor devices and traffic.

Performance Monitoring: Through the use of ATMS.now and SynchroGreen, signal performance data is logged and can be reviewed. Through the use of BlueArgus, travel times were monitored before and after the implementation of the Adaptive system to verify results. Through the use of PRTG, intelligent devices are monitored for communication reliability. Through the use of UNMS, the wireless radios and associated links are monitored for signal performance and device uptime. Performance monitoring was a key component to this project. Issues and glitches are immediately detected and resolved before they can problems. This has resulted in identifying power issues unrelated to the signal equipment, providing LADOTD advanced notifications and additional assurance of proper signal operations.

Firm Members Involved: Clarke Chauvin, Jonathan Fox

Firm Name	**Intelligent Transportation Systems, LLC**			Past Performance Evaluation Discipline(s)*	**Traffic**
Project Name	**Lake Charles Chemicals – Adaptive Traffic Signal Systems A & B**			Firm responsibility (prime or sub?)	Sub
Project Number	L2CC-990-11-DW-24	Owner's Name	Sasol		
Project Location	Westlake and Sulphur, LA		Owner's Project Manager	Eric Flemming	
Owner's address, phone, email	2201 Old Spanish Trail | Westlake, LA | eric.flemming@worleyparsons.com				
Services commenced by this firm (mm/yy)	08/2015	Total consultant contract cost ($1,000's)		(confidential)	
Services completed by this firm (mm/yy)	07/2019	Cost of consultant services provided by this firm ($1,000's)		(confidential)	

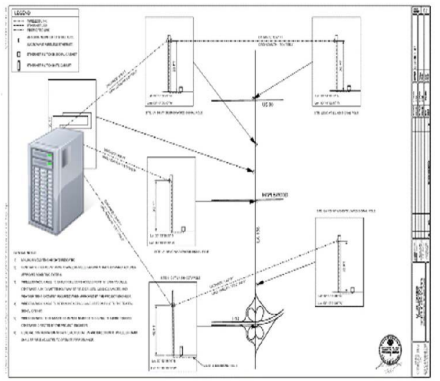
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

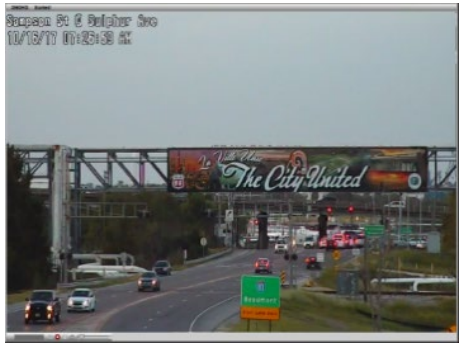
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

ITS LLC worked with the Louisiana Department of Transportation and Development and Trafficware, the system manufacturer, to turn on the first Adaptive traffic signal system in the State of Louisiana. The system has eased travel along the corridor, allowing better progression and more efficient operations.

Getting to the point of turning on the system took a lot of project management, planning, coordination, design and integration. ITS LLC performed signal design for six traffic signals on the Sampson St. corridor (System A) and four traffic signals on the LA 108 corridor (System B). The design included upgrading controllers to ATCs, upgrading detection for increased accuracy and traffic data collection, as well as PTZ CCTV camera for remote monitoring (see picture) and seven BlueTOAD units for travel time and speed data collection. In addition to determining the network allocations and communications paths, ITS LLC also designed, configured, and implemented the communications equipment.

A private cellular network connection was originally chosen as an alternative to fiber optic communications. ITS LLC was retained to provide ongoing maintenance support which has included troubleshooting server, network, and detection issues. Since DOTD's ITS Section completed the Lake Charles ITS Phase 2, it allowed ITS LLC to move the cellular communications system over to an unlicensed wireless radio system. ITS LLC conducted wireless assessments, designed, configured and installed 18 radio units between the two systems. This has resulted in fewer adaptive nuisance alarms as well as removed ongoing monthly cellular charges. This project ultimately brought 12 adaptive signals online and established the infrastructure needed to continue to add adaptive systems in the area. Sasol and the design team were recognized for their efforts by receiving the 2018 Louisiana Transportation Conference award for "Use of Innovative Product or Technology."





Firm Members Involved: Clarke Chauvin, Jonathan Fox

Firm Name	**Intelligent Transportation Systems, LLC**	Past Performance Evaluation Discipline(s)*	**Traffic**
Project Name	**Calcasieu Point LNG Development**	Firm responsibility (prime or sub?)	Prime
Project Number	N/A (private)	Owner's Name	Lake Charles LNG
Project Location	Lake Charles, LA	Owner's Project Manager	John Kelly
Owner's address, phone, email	1300 Main Street; Houston, TX 77002 | (713) 989-7411 | john.kelly@energytransfer.com		
Services commenced by this firm (mm/yy)	09/2015	Total consultant contract cost ($1,000's)	(confidential)
Services completed by this firm (mm/yy)	10/2017	Cost of consultant services provided by this firm ($1,000's)	(confidential)

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

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

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

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

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

Proposed Adaptive Signal Installation: Country Club Road at Weaver Road

Firm Members Involved: Clarke Chauvin, Jonathan Fox

Firm Name	**Bonton Associates**	Past Performance Evaluation Discipline(s)*	**Road**
Project Name	**Fairfields Avenue Area ADA Transition Projects**	Firm responsibility (prime or sub?)	Prime
Project Number	20-EN-HC-0053	Owner's Name	East Baton Rouge Parish of Department of Transportation and Drainage
Project Location	East Baton Rouge, LA	Owner's Project Manager	Alex Farr, PE
Owner's address, phone, email	222 Saint Louis Street, 8th Floor, Baton Rouge, LA | 225-298-0800 | afarr@sigmacg.com		
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost ($1,000's)	$ 43
Services completed by this firm (mm/yy)	02/22	Cost of consultant services provided by this firm ($1,000's)	$ 43

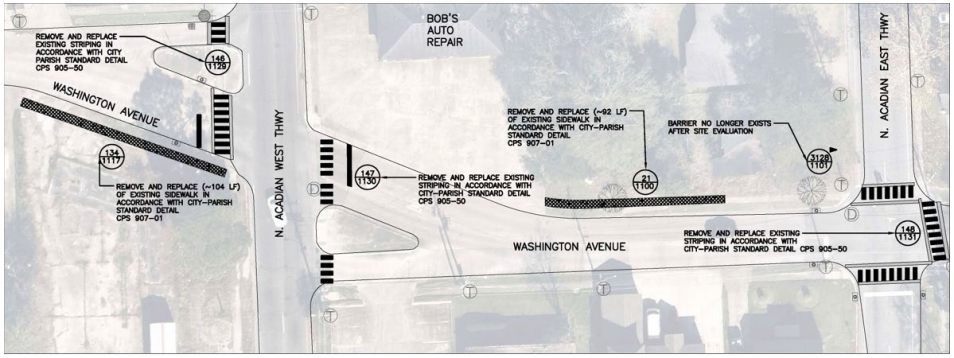
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

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

The Fairfields Ave. Area ADA Transition project is one of three (3) projects that Bonton Associates will perform engineering services to support the transition of existing pedestrian facilities, within the project limits, to current Americans with Disabilities Act (ADA) guidelines.

As part of this transition process, Bonton Associates conducted site evaluations & data validation by reviewing LIDAR and GIS point data, reviewing existing barriers and the barrier remediation recommendations identified in previous studies, and preparing preliminary and final design plans to provide the barrier improvements, maps, repair schedules, and details necessary to bring the existing pedestrian facilities up to current ADA guidelines.

Our team anticipated challenges with verifying the barrier remediations identified from the previous project and resolved potential utility and other conflicts identified during additional ADA compliant improvement locations. With the overall project objective in mind, our Team worked to develop design improvements that address the ADA barriers identified within the area while providing facilities that are safe and improve pedestrian access to public transit.



Firm Members Involved: Marcus Bonton, LaDarien Beene

Firm Name	**Bonton Associates**	Past Performance Evaluation Discipline(s)*	**Road**
Project Name	**Harding Boulevard Pedestrian Improvements**	Firm responsibility (prime or sub?)	Prime
Project Number	16-SW-HC-0040	Owner's Name	East Baton Rouge Parish of Department of Transportation and Drainage
Project Location	East Baton Rouge, LA	Owner's Project Manager	Taiwo Adejare, PE
Owner's address, phone, email	1100 Laurel Street, Baton Rouge, LA 70802 | 228-389-3186 | tadejare@brla.gov		
Services commenced by this firm (mm/yy)	12/17	Total consultant contract cost ($1,000's)	$ 28.6
Services completed by this firm (mm/yy)	07/18	Cost of consultant services provided by this firm ($1,000's)	$ 28.6

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

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

The Harding Blvd. Pedestrian Improvements project included performing design services for providing sidewalks, ADA ramps, and other improvements along Harding Blvd. between Plank Road and BREC Scotlandville Parkway in compliance with ADA and City-Parish Guidelines.

The Harding Blvd. project area has existing overhead utility lines and other facilities located along the roadway. This required our team to develop unique geometry for the proposed sidewalks that were compliant with design guidelines while minimizing utility impacts and project costs. Our team overcame challenges associated with accommodating the pedestrian facilities for avoiding utilities and other existing conditions. Bonton Associates was responsible for preparing the Design Study, Preliminary, and Final Design Plans for the pedestrian facilities.

Firm Members Involved: Darius Bonton, Kiran Gurung

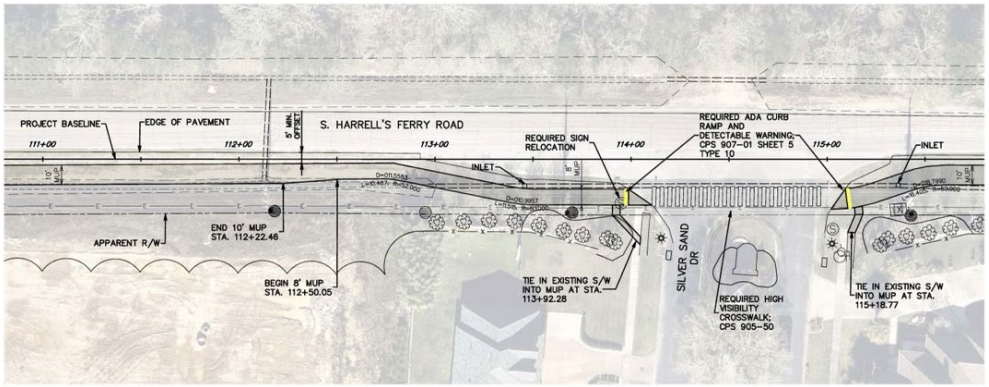
Firm Name	**Bonton Associates**	Past Performance Evaluation Discipline(s)*	**Road**
Project Name	**S. Harrell's Ferry Road Multi-Use Path (O'Neal to Woodlake Drive)**	Firm responsibility (prime or sub?)	Prime
Project Number	20-EN-HC-0028	Owner's Name	East Baton Rouge Parish of Department of Transportation and Drainage
Project Location	East Baton Rouge, LA	Owner's Project Manager	Alex Farr, PE
Owner's address, phone, email	222 Saint Louis Street, 8th Floor, Baton Rouge, LA | 225-298-0800 | afarr@sigmacg.com		
Services commenced by this firm (mm/yy)	05/21	Total consultant contract cost ($1,000's)	$ 136.71
Services completed by this firm (mm/yy)	09/22	Cost of consultant services provided by this firm ($1,000's)	$ 136.71

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

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

The S. Harrell's Ferry Rd. Multi-Use Path project included conducting a Design Study and preparing Preliminary & Final Plans for a new multi-use path, ADA compliant facilities (curb ramps, crosswalks, etc.), drainage improvements, and green infrastructure with the goal of increasing pedestrian and bicycle mobility.

Bonton Associates prepared the Design Study, Preliminary, and Final Design Plans for the multi-use path. As part of the deliverable, our team completed typical sections, details, plan & profile sheets, drainage design, drainage maps, green infrastructure design, cross-sections, engineering calculations, and quantities. With a limited width of space to provide the proposed improvements, our team developed solutions for the multi-use path that includes a cross section that varies in width where necessary to fit the new facilities and subsurface drainage.



Firm Members Involved: Marcus Bonton, LaDarien Beene

LA 385: Ryan Street Intersection Improvements

Summary of Experience

G.E.C., Inc. (GEC) is pleased to offer LADOTD a team significantly experienced in providing design services in accordance with LADOTD. The GEC Team will provide traffic and roadway design expertise to provide the highest quality and success for projects to advance to successful construction. GEC, along with team member, Intelligent Transportation Systems LLC (ITS LLC) and Bonton Associates, a DBE firm, provides LADOTD all required capabilities to meet the needs of this contract. ITS LLC will perform traffic tasks including traffic study updates and Adaptive traffic signal design for this contract. Bonton Associates will provide assistance with complete streets tasks associated with this project. This extremely experienced team has the skills to exceed LADOTD's expectations for the various road, complete streets, traffic and signal design, Adaptive system integration, striping, raised medians, access modifications, intersection, and turning lane sections that are required as a part of this contract.

Information contained herein related to ITS LLC adaptive signal technology is considered proprietary.

Scope Understanding

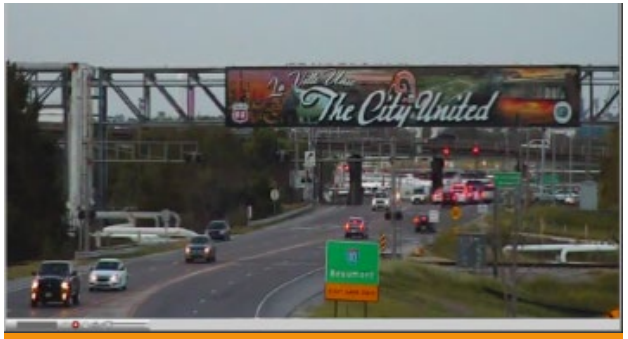
The project area encompasses LA 385 (Ryan Street) from Eddy Street south to LA 3186 (McNeese Street) and McNeese Street from Ryan Street east to Louisiana Avenue. Ryan Street is currently classified as an urban 4-lane, undivided (four 11-ft. lanes with full access) and McNeese Street is an urban 5-lane roadway, (four 12-ft. lanes and a 14-ft. TWLTL with full access). Numerous commercial properties are located along Ryan Street (126 full access driveways) and most pedestrian activity occurs along Ryan Street and Common Street, coinciding with the location of McNeese University.

A Traffic Study was completed in July 2019 for the project area, based on 2017 data collection including 7-day classification counts, turning movement counts, speed data, and peak hour observations. Crash analyses were performed for segments and intersections along the study corridor. An average growth rate of +1.5% per year was applied to determine future volumes for 2038. The study presented four alternatives for analysis. Based on existing safety and operational concerns, the purpose and need of this project is to improve safety and mobility for vehicles, pedestrians, and bicyclists. This project scope consists of providing Adaptive signal improvements, enhanced striping, ADA upgrades, pedestrian improvements, and other median and access related improvements and according to the Stage 0 study, **encompasses approximately 2.65 miles of striping, 2,800-ft. additional sidewalk, 10,200-ft. reconstructed sidewalks, 44 driveways removed by consolidation, 71 sidewalk ramps replaced, 6 signalized intersections adding pedestrian heads and push buttons, 2 signal upgrades, and 11 raised medians**.

Adaptive signal control technology is an innovative method for managing congestion on corridors, especially where demand varies throughout the day or in an irregular way. The Adaptive technology adjusts the signal timing to accommodate fluctuations in volumes in real-time, continuously distributing green time equitably for all movements while maintaining coordination. This improves travel time reliability and reduces congestion. These systems use a combination of sophisticated detection, reliable communications, and advanced controller systems. Since the first signal system was designed by ITS LLC and installed, 5 additional corridors and four isolated intersections have been designed and implemented within the framework of the District 07 SynchroGreen Adaptive Server, all of which were supported with design and integration by ITS LLC.

Approach

GEC understands LADOTD's typical sequence of project development and will complete all tasks that are part of each required submittal. GEC will provide all engineering services necessary for LADOTD's Stage 3. The following is an overview of the methodology GEC will follow for Ryan Street Intersection Improvements Project:



The first Adaptive traffic signal system (LA 378) in Louisiana, installed in 2017 and pictured above, was designed by GEC sub ITS LLC as part of the corridor upgrades for the new SASOL plant in District 07.

Project Kickoff

Once the Notice to Proceed (NTP) is issued, GEC will hold a kickoff meeting with LADOTD staff (District 07 and Headquarters) to determine status and areas of concerns, define the scope of the study updates, and establish procedures for the project. The GEC Team will perform a field review to determine any constraints and establish the pre-design criteria and minimum design guidelines before the kickoff meeting and will be reviewed at the meeting. Traffic, geotechnical, survey, pavement, as-built plans, and other relevant data that is available will be reviewed at this meeting to determine if any additional services are necessary. If additional services are required, supplemental agreements will be prepared. Project point of contacts, schedule, budget, invoicing procedures, QA/QC procedures and plan document, project schedule, and other project management tasks will be discussed and established. Minutes from this meeting will be prepared and will become a part of the official project record. The proposed schedule, shown in Figure 1, will be reviewed at the kickoff meeting and continuously updated throughout the project process, submitted monthly

as a part of the invoice packet and with each project milestone. The proposed schedule will be revised to include each task, estimated completion dates, percent complete, and actual dates. Suitable reoccurring meetings will be scheduled for both the internal and external team as needed as the project progresses.

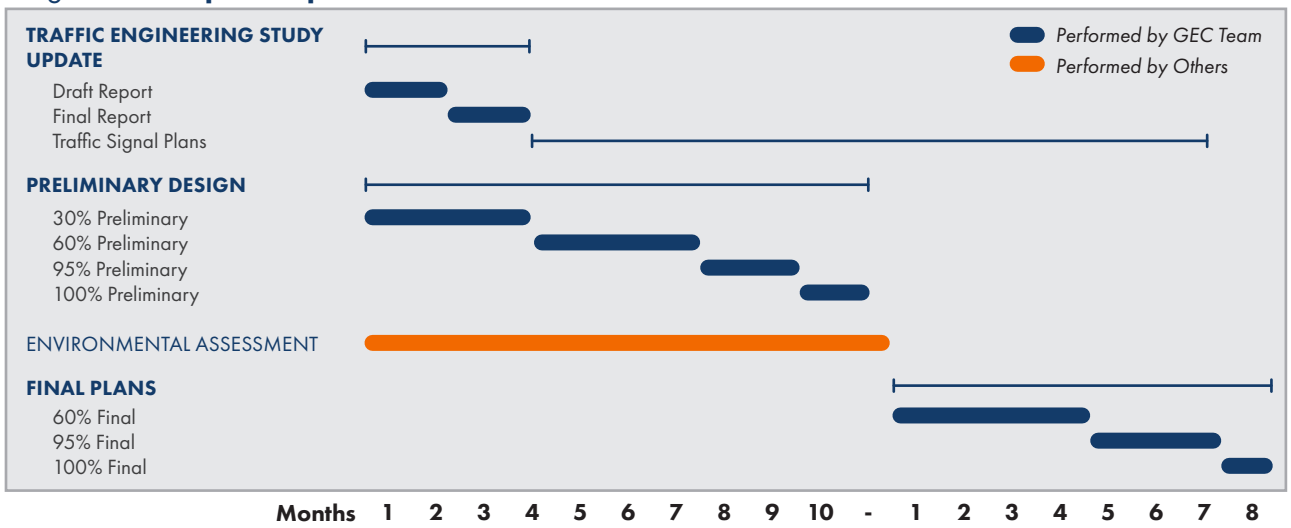
Traffic Engineering Study/Stage 0 Update

ITS LLC will perform the required study updates. All of ITS LLC's engineering staff have completed the LADOTD TEPR trainings and will perform these study updates in accordance with the TEPR guidelines. While the previous study considered access management improvements by way of driveway consolidation resulting in 44 less connections to the roadway, it did not evaluate the impacts of the installation of raised medians in the influence areas of the eleven intersections. This study would update the previous study to determine the impacts of this change prior to the start of design plans.

Since the original study was completed in 2019 (based on 2017 data), various shifts in residential and commercial construction have occurred in the Lake Charles area. The area was impacted by two major hurricanes in 2020; the COVID-19 pandemic resulted in shifts in traffic patterns and affected enrollment and admissions for universities. McNeese State University had a total enrollment of 5,792 in the 2022 Spring Semester, a decrease from 7,287 students in the Fall of 2020. Conversely, the area has recently seen a major uptick in industrial development with expansions of existing refineries and interests in new LNG construction. As a result of these, shifts new traffic data collection may be considered in the future; however, according to LADOTD, additional data collection is not foreseen at this time. An adaptive system adjusts to varied volumes, but additional data may useful in evaluating proposed turn lanes and geometric improvements. If LADOTD requires such additional data collection, this can be performed by a third-party vendor, careful to avoid any school holidays. The study can then be updated.

By consolidating existing driveways and installing medians near the intersections along this corridor, the number of conflict points will be reduced thereby decreasing the potential for crashes and resulting in safety improvements. 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, is to ensure drivers are provided with an alternative for access to any properties within the turn-restricted area.

Figure 1. **Sample Project Schedule**



Significant time savings in the study update process would result if the original analysis files are made available (i.e. HCS and Vistro files). The updates will conform to the TEPR procedures. Reviews will be conducted with LADOTD throughout the process to ensure concurrence. ITS LLC will work in direct coordination with GEC throughout this process to ensure quick implementation into the design process.

Adaptive Traffic Signal Systems

Jonathan Fox, PE, PTOE, PMP, will lead the ITS LLC design team. Jonathan has two decades of experience in traffic engineering and intelligent transportation systems, including his key roles as the Supervisor Engineer on all Adaptive systems designed by ITS LLC. **He previously worked with the District 07 traffic engineering staff to conduct studies and design for an Adaptive system implementation on the Ryan Street corridor and is very familiar with this project for a private client.** Also involved in the initial Ryan St. design, and every subsequent deployment of an Adaptive signal corridor in the state, ITS LLC's Clarke Chauvin, PE, PTOE, PMP, has been involved with all aspects of Adaptive signal systems including plan development, configuring controllers and detection, integration, optimization, and performance monitoring. **ITS LLC has become so engrained in the operation and deployment of Adaptive systems, that the firm has supported the manufacturer in system turn-ons, performing travel time runs, and optimizing SynchroGreen settings to increase performance.** Additionally, ITS LLC employs three IMSA Level 2 traffic signal technicians, a requirement for any person opening and operating an LADOTD signal cabinet.

There are two key components which are critical for the Adaptive system to be successful: **detection** and **communication**. If either of these elements is less than ideal, the system will experience repeated failures. Because of this, having engineers with experience in not only signal design, but design and integration of Adaptive systems is critical. **ITS LLC designed the system**

currently operating in District 07 and continues to assist the District with monitoring and maintenance of the system.

Detection selection and placement is critical. Adaptive systems utilize a combination of traditional approach lane and setback detection as well as non-traditional counting detection. ITS LLC is experienced with various types of detection available and the challenges and limitations of each. Radar systems provide the highest levels of reliability, though it is critical that each detector is positioned to ensure that all lanes have coverage and obstructions are minimized. The approach detection allows the system to know exactly how many vehicles are approaching the intersection in real-time. The setback detection allows the system to see approaching vehicles in the dilemma zone as well as allowing for more accurate coordination between signals. Other detection types are available and may be applicable in unique situations where radar is not the ideal type or feasible. Many of the corridors ITS LLC has designed utilize a combination of detector types to create a system that is both efficient and cost-effective.

A reliable communications system is a must for a successful Adaptive corridor. Individual controllers at each intersection must be able to communicate with the Synchro Green Server at the LADOTD District 07 Office. Because the Ryan Street corridor does not have an existing fiber network, a wireless system that aggregates to the existing LADOTD fiber backbone at I-210 is the most practical at first glance. Additional consideration could be given to the existing interconnect system of an older twisted-pair network if integrity could be verified. The current Adaptive corridors in District 07 operate using Ethernet-based unlicensed wireless radios and cellular modems for isolated sites. ITS LLC recommends using this same type of communications method for the Ryan Street corridor. There is a LADOTD ITS camera site on the southeast quadrant of the I-210/Ryan Street interchange that connects to the ITS fiber backbone. For communication with the signals, ITS anticipates utilizing the camera site to establish a hub-and-spoke network, which are preferable to daisy chain as it limits the dependency on upstream radios resulting in a smaller impact with a failure. The pole at this site is 85-ft. tall and sits on a ~20-ft. embankment, allowing for greater connectivity potential. Daisy chain connections will be used off the hub-and-spoke when the wireless analysis determines a link to be unreliable or not possible. The communication integration to the Synchro Green Server at the District 07 Office will be accomplished by using the existing VLANS configurations throughout the communications path. The use of this configuration type allows isolation of the Adaptive system traffic from the other ITS-related traffic in the network. For monitoring purposes, it is ideal to have a video camera that can view the corridor, and the ITS camera at this location can perform that function. The need for additional cameras on the corridor will be assessed and determined as part of the detailed design.

Operationally, the Adaptive system's software will adjust and optimize cycle length, splits, and offsets for all signals in the system in real-time in response to the traffic volume and demand information gathered through the detection systems. Initially, base phasing plans are programmed into the system. ITS LLC recommends beginning with weekday morning, mid-day, evening, and off-peak phasing plans as well as weekend phasing plans. It may also be advantageous to include special event phasing plans. Once these phasing plans are programed and the Adaptive component is turned on, field observation and adjustments are refined to optimize performance. Beyond that, the system essentially takes care of the rest. As it reads the input from the detectors, the SynchroGreen server computes timing adjustments and communicates them directly back to each controller, within the framework of the phasing plan, to service the traffic demand most efficiently while maintaining progression and coordination throughout the system along the entire corridor. In the rare instance that the Adaptive system goes offline, each controller simply reverts to the current base phasing plan for that particular time of day, utilizing the same vehicle detection for improved performance, until the system is brought back online.

Part of this project includes the upgrade and/or implementation of pedestrian actuation with push-button sites at several intersections. The operation of these within the Adaptive system is simple. Once a ped-button is actuated, the controller adjusts coordination and services the pedestrian call. Once completed, it aggressively adjusts timings to get back into coordination by renegotiating the cycle length. This minimizes the amount of time the corridor is not in coordination and maximizes the flow of traffic.

Once the studies required by the Traffic Engineering Process and Report are completed, traffic signal plans will be developed for the inclusion in District 07's existing Adaptive Traffic Signal System in accordance with LADOTD Traffic Signal Manual, the LADOTD Traffic Engineering Manual, and the related EDSM's. These will include: traffic signal timings and traffic signal inventory, including coordination timings, phase timing parameters, intersection layout, wiring diagrams, signal counts, preemption timings, and maintenance.

ITS LLC staff, Kimberly McDaniel, PE, PTOE, PTP, and Diane Hammonds, PE, PTOE, RSP1, each have nearly two decades of experience performing traffic and safety analyses and will lead this work for the team. **Kimberly previously served as the state's subject matter expert on access management during her tenure at LADOTD as the Access Management Engineer, during which time she developed the state's current laws and policies regarding the implementation of access management principles on state highways** (LAC Title 70, Part I, Ch 15 and the LADOTD Access Connections Policy). Diane has specific expertise in traffic safety and is a certified Road Safety Professional (RSP1).

Preliminary and Final Engineering Plan Development

The GEC Team is very familiar with the LADOTD and national and local standards and practices. Due to the team's diverse portfolio of preliminary and final engineering plan development for both LADOTD and

municipalities, this team is poised to provide LADOTD with robust experiences that will allow The GEC Team to provide innovative solutions to the toughest roadway, complete streets, and traffic signal design challenges.

The GEC Team will prepare all plans in accordance with the most current LADOTD CAD standards. In addition to the key personnel shown in this package, GEC also staffs a depth of CAD personnel, all of which are highly knowledgeable and skilled in utilizing Bentley's Microstation and InRoads programs. The GEC Team will upload e-deliverables into the LADOTD ProjectWise repository at any necessary milestone as required by the contract. For each required LADOTD submittal, The GEC Team will perform stringent quality reviews to ensure all required items are submitted, accurate, and meet our quality acceptance criteria. After receiving approval on the revised Traffic Engineering Study/Stage 0 Report, The GEC Team will begin developing engineering plans. The plan submittals for this work will generally adhere to the LADOTD Road and Traffic Signal Design steps below.

Complete Streets is an integral part of this project. Providing facilities for all users is a required component of this project. The GEC Team has designed multiple facilities which incorporate complete streets, ADA upgrades, multi-use paths, and other facility types in accordance with LADOTD's Complete Streets Manual and associated references.

Quality Plan Reviews

GEC will perform detailed engineering reviews in association with this contract. GEC's written QA/QC procedures meet LADOTD's requirements and serve as the basis for our work on all contracts, requiring that each member of the team follows procedures so that work is performed correctly and delivered on time and within budget. Deliverables will 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. All project submittals will include a QA/QC certification that ensures the submittals meet the requirements of the established QA/QC Plan.

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. It is unlikely the entire contract amount will be spent.
- The I-49 project is on hold with GEC providing only assistance with scheduling. Design work will not begin until the FONSI is approved, which may occur late 2023.

The staff identified in this submittal will be immediately available upon receipt of NTP from LADOTD.

PRELIMINARY PLANS

30% Preliminary Plans

- *Field reviews, pre-design criteria, & minimum design guidelines updates*
- *Supplemental surveys, borings, & other data collection if necessary*
- *Plan & profile sheets with existing topo, establishing horizontal and vertical alignment, typical sections, title sheet*

60% Preliminary Plans

- *Existing & proposed hydraulics calculations & map*
- *Revised plan & profile sheets including horizontal & vertical alignments, geometric details, cross sections, typical sections, existing & proposed drainage, utility & railroad recommendations, earthwork computations, preliminary ROW taking, & sequence of construction & signing*

95% Preliminary Plans (Plan-In-Hand)

- *Preliminary QA/QC, pre-plan-in-hand review*
- *Revised plan sheets to include: title sheet, typical sections, plan and profile, including ROW taking lines, existing and proposed drainage, geometric details, sequence of construction, construction signing, quantities, and cross sections*
- *Once the plans are distributed, a plan-in-hand meeting will be scheduled. Attendees typically include LADOTD, district, municipal/parish representatives, and the design team. The GEC Team will assist in scheduling & conducting the meeting & documenting comments received.*

100% Preliminary Plans

- *Final right-of-way taking lines transmitted to location & survey*
- *Permit sketches, if needed; environmental clearance may be necessary.*
- *Preliminary cost estimate, revised plan sheets, and traffic plan sheets to include proposed new hardware locations & signal timings.*

FINAL PLANS

60% Final Plans

- *Final typical sections & hydraulic design*
- *Revised plans; sheets to include: summary sheets & tables, joint layouts, graphical grades, ROW maps, horizontal & vertical geometry, construction notes; signal plan sheets to include proposed signal wirings, list of items for signal work, & special foundation design if required.*

95% Final Plans (Advance Check Prints)

- *Revise based upon comments received in 60% Final Plan Review, cost estimates, & summary tables*
- *Final QA/QC Check, constructability review form, Special Provisions*
- *Pre-advance check prints review (90% Final)*

100% Final Plans

- *Advance check print comments addressed, revise plans & cost estimates as necessary; Develop final cost estimate, specifications, & any necessary special provisions*
- *Other items may include SWPPP, final design report, etc.*
- *Signed & sealed plans are transmitted to contracts & specifications and general files*

19. Workload

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
G.E.C., Inc.	Planning (Program Management)	SP# 4400016958	Road Transfer Program Management, Statewide (Note: Unlikely to bill this entire amount. Only 1 GEC personnel is dedicated full-time and located at LADOTD HQ to manage the Program)	1,670,166
G.E.C., Inc.	Planning	Contract #'s 4400006551, 4400006552 and 4400006553	Retainer Contracts for Comprehensive Strategic Advisory Related to Louisiana Transportation Authority (LTA) Participation In Public-Private Partnerships (PPP) (Sub to HNTB) (No Task Orders Issued)	N/A
G.E.C., Inc.		SP# H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec) **	
	Road		Geometrics	70,810
	Bridge		Bridge Study	59,473
	Environmental		Environmental	19,863
	ITS		ITS	19,447
	Other		Program Management ($100,520), Electrical ($301,419)	401,939
	Geotechnical		Geotechnical (Task Closed)	51,213
G.E.C., Inc.		S.P.# H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	
	Bridge		Bridge	79,351
	ITS		ITS	137,981
	Other		Project Management ($326,749), Retaining Walls ($166,661), Sound Walls ($124,711) & Electrical ($1,253,493)	1,871,614
G.E.C., Inc.		S.P.# H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	
	Road		Road	317,310
	Bridge		Bridge	174,800
	ITS		ITS	28,665
	Other		Project Management ($66,668), Sound Walls ($44,640) & Electrical ($16,335)	127,463
G.E.C., Inc.	Bridge	SP# H.008145.5	Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services (Sub to HNTB)	232,047
G.E.C., Inc.		SP# H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	
	Bridge		Bridge	148,795
	Other		Electrical	54,012
G.E.C., Inc.	Bridge	Contract #4400010099	Retainer Contract for Off-System Complex Bridge Load Rating (Sub to Forte & Tablada)	
		TO# H.012485.1	Rating of Off-system Bridge Structures	19,056
		TO# H.092481.5	Off-System Load Testing and Evaluation	14,800

***GEC work is currently on hold with the exception of schedule and pump station** - see explanation in the Workload / Firm Size paragraph in Section 18*

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
G.E.C., Inc.	Other	Contract #4400011354	IDIQ Contract for Electrical Statewide	
	(Electrical)	TO# H.013442.6	I-10: Crowder Boulevard Interstate Lighting	47,379
		TO# H.013617.5	I-10: I-610E Interchange Lighting	37,742
		TO# H.014552.5	I-49: LA 31 Interchange Lighting (Opelousas) (Note: Survey T.O. Work performed by GOTECH.)	N/A
		TO# H.014553.5	I-49: LA 3233 Interchange Lighting (Opelousas) (Note: Survey T.O. Work performed by GOTECH.)	N/A
		TO# H.012469.5	US 190: BRB-Navigation Light Replacement	0
		TO# H.014556.5	I-49: US 190 Interchange Lighting (Opelousas) (Note: Survey T.O. Work performed by GOTECH.)	N/A
		TO# H.014557.5	I-49: Judge Walsh Drive Interchange Lighting (Opelousas) (Note: Survey T.O. Work performed by GOTECH.)	N/A
		TO# H.013617.6	I-10: I-610E Interchange Lighting	194,001
G.E.C., Inc.	Other (Electrical)	S.P. # H.004774.5 & H.007300.6	Kansas Lane - Garrett Road Connector and I-I-20 Improvements, Ouachita Parish (Sub to Lazenby & Associates, Inc.)	2,100
G.E.C., Inc.	Other (Electrical)	S.P. # H.010916.6	Prien Lake Re-Deck and Safety Improvements (Sub to Kiewit Infrastructure South, Co.)	3,028
G.E.C., Inc.	Other (Electrical)	Contract #4400005660	Retainer Contract for Electrical Services (Sub to Buchart-Horn)	
		TO# H.012404.6	I-10 Off Ramps at LA 182	N/A
		TO# H.012422.6	I-110 Interchange Modification at Terrace	59
		TO# H.012874.6	I-55: LA 22 Interstate Lighting	20,153
G.E.C., Inc.	CE&I/OV	Contract #440013710	Retainer Contract for CE&I, Statewide with the Majority of Work in District 03	
		TO# H.003014.6	I-10 Widening and Reconstruction (LA 37 to ATCR BR.) St. Martin and Lafayette Parishes	42,183
		TO# H.010601.6	I-10 Widening and Reconstruction (LA 328 - LA 347)	286,671
G.E.C., Inc.	CE&I/OV	Contract #4400023074	IDIQ for CE&I Services and Staff Augmentation, District 61	
		TO# H.010724.6	Pecan Island Road Over the Chenal, Pointe Coupee Parish	96,968
		TO# H.012465.6	Dist 61 Flashing Yellow Arrow Part 3	444,962
		TO# H.010960.6	LA 30 Roundabouts at Tanger Mall and I-10	675,975
		TO# H.014694.6	LA 426: LA 73 - Sherwood Forest	272,544
G.E.C., Inc.	CE&I/OV	S.P. # H.011670.6	I-10/Loyola Interchange Improvements, Jefferson Parish	0

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
G.E.C., Inc.	CE&I/OV	Contract No. 4400019950	IDIQ for CE&I, Statewide, with Majority of Work in District 03	
		TO# H.002735.6	Bayou Vermillion Bridge	82,962
		TO# H.003003.6	I-10: I-49 - LA 328	228,133
		TO# H.002151.6	Bayou Parc Perdue and Creek Bridges	123,781
		TO# H.010601.6	I-10 Widening and Reconstruction (LA 328 - LA 347)	101,498
		TO# H.002868.6	I-49 S: Amb Caffery / US 90 Interchange	1,003,620
G.E.C., Inc.	CE&I/OV	Contract # 440005410	Retainer Contract for CE&I w/Painting Inspection & Environmental Monitoring, Statewide (Sub to GPI)	
		TO# H.009479.6	W. Larose Vertical Lift Bridge Rehab., Route LA 1	0
G.E.C., Inc.	CE&I/OV	Contract #440014315	Retainer Contract for Painting Inspection & Environmental Monitoring with CE&I, Statewide (Sub to GPI)	
		TO# H.003370.6	I-220/I-20 Interchange IMP & BAFB Access	84,263
		TO# H.010000.6	US 171 : Calcasieu River Bridge Repairs	191,138
G.E.C., Inc.	Other (DOTD Support Service)	Contract #4400017329	Retainer Contracts for Innovative Procurement and Alternative Delivery Support Services (Sub to HNTB Corporation) (Note: no work expected for GEC under this contract)	N/A

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.013256.5	I-10 ITS Scott to Lake Charles - Design	$13,520
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.013256.6	I-10 ITS Scott to Lake Charles - Construction	$15,751
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.014515	511 & ATMS SEA	$28,379
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.014513.1	Lafayette Regional ITS Architecture	$2,564
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.013710.6	I-10: US61 to LaPlace Deployment	$20,284
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.012381.5	ITS FMS Data Collection/Inventory Services	$81,407
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.011152	I-12- US 190 to LA 59	$49,382
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.007160	EBR Computerized Signal Phase VB	$104,086
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.001234.6	LA1 Port Allen Canal BR Replacement	$16,243
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.013868.6(A)	ITS Routine Maintenance Engineering and Inspection (ME&I)	$689,907
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.013868.6 (B)	ITS Responsive/Emergency ME&I Statewide	$133,211
Intelligent Transportation Systems LLC (ITS LLC)	ITS	H.013868.5	ITS Maintenance Program Management and Operations	$64,698

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining unpaid balance**
Bonton Associates (Sub-Consultant)	Road	H.010652.5	LA 73: US 61 (Airline) – Essen Lane	$41,870.00

* 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. If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining un-paid balance per evaluation discipline.

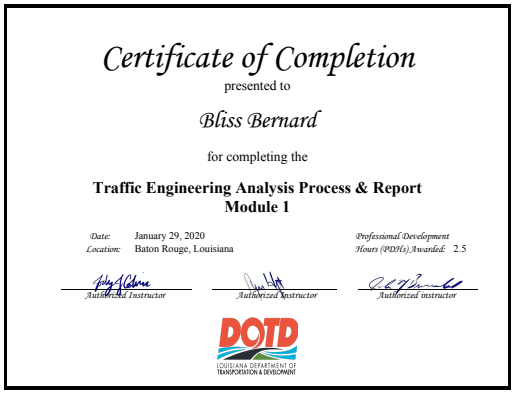
** Round to the nearest dollar. Do not round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses

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

INDEX OF INCLUDED CERTIFICATIONS BY EMPLOYEE	GEC										ITS Intelligent Transportation Systems®				BONTON ASSOCIATES		
	Sherri LeBas	Bliss Bernard	Cary Bourgeois	Tom Swanson	Jerome Lohmann	Alison Nissen	Chris Nipper	Logan Michel	Jonathan Philley	Brandon Abbott	Jonathan Fox	Clarke Chauvin	Diane Hammonds	Kimberly McDaniel	Marcus Bonton	Darius Bonton	LaDarien Beene
Minimum Personnel Requirement	**1**	**2**	**2**		**3**						**4**	**4, 5**					
ATSSA – Traffic Control Technician		●									●	●	●	●			
ATSSA – Traffic Control Supervisor		●									●	●	●	●			
ATSSA – Traffic Control Design Specialist											●						
LADOTD Traffic Engineering Process & Report – Module 1		●		●			●	●		●	●	●	●	●	●		●
LADOTD Traffic Engineering Process & Report – Module 2		●		●			●	●		●	●	●	●	●	●		●
LADOTD Traffic Engineering Process & Report – Module 3		●		●			●	●		●	●	●	●	●	●		●
IMSA Traffic Signal Field Technician Level II												●					
DBE Certifications															*firm certification*		
ADDITIONAL CREDENTIALS (certifications not included)																	
Louisiana Engineer Intern									●	●							
Louisiana Professional Engineer	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●
Professional Traffic Operations Engineer				●							●	●	●	●			●
Professional Transportation Planner														●			
Road Safety Professional													●				

Bliss Bernard



Certificate of Completion

presented to

Bliss Bernard

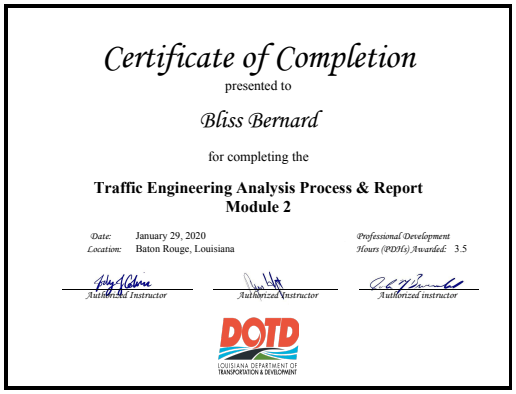
for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

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Bliss Bernard

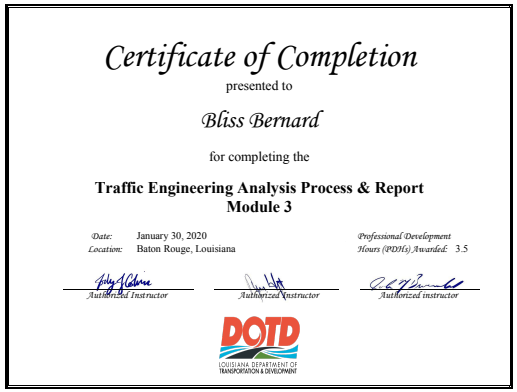
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

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

3/12/2021 to 3/12/2021
Date

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

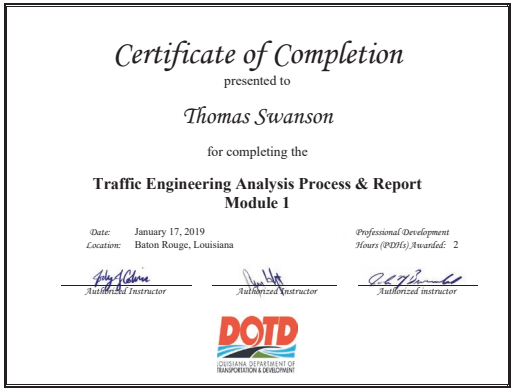
This is to affirm that
Bliss Bernard
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 2/17/2025 State Issuing LA

Instructor Signature

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

Thomas Swanson



Certificate of Completion

presented to

Thomas Swanson

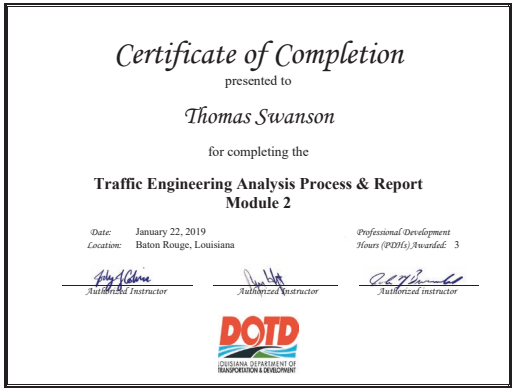
for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Thomas Swanson

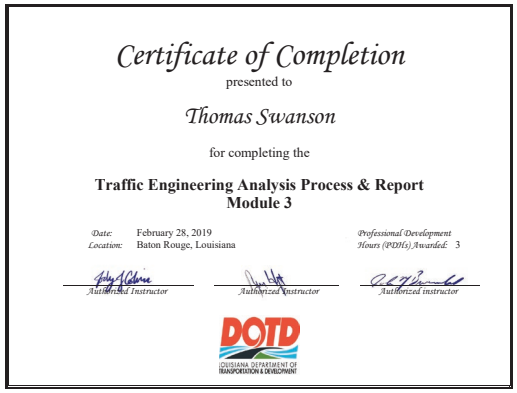
for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Thomas Swanson

for completing the

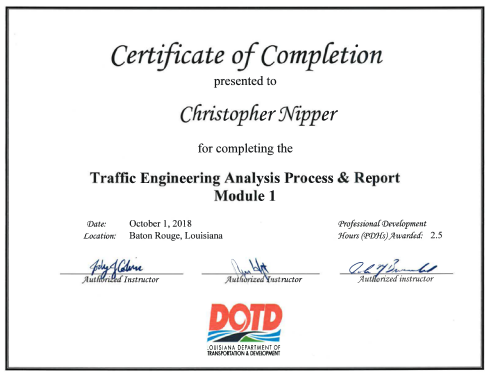
Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Christopher Nipper



Certificate of Completion

presented to

Christopher Nipper

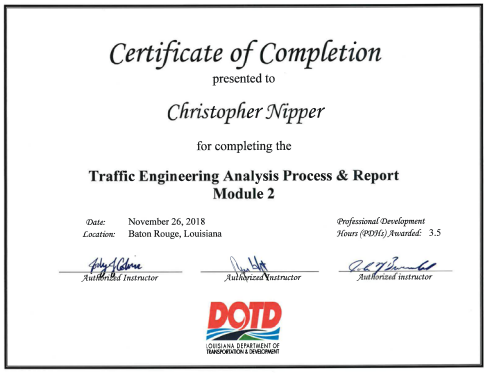
for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Christopher Nipper

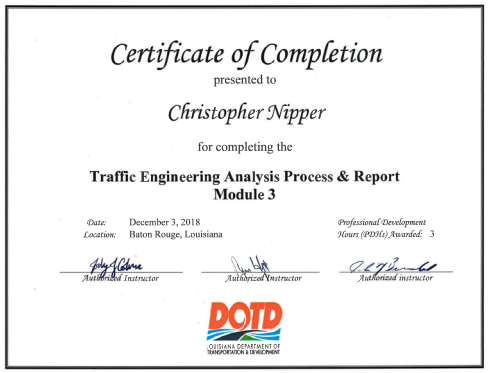
for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Christopher Nipper

for completing the

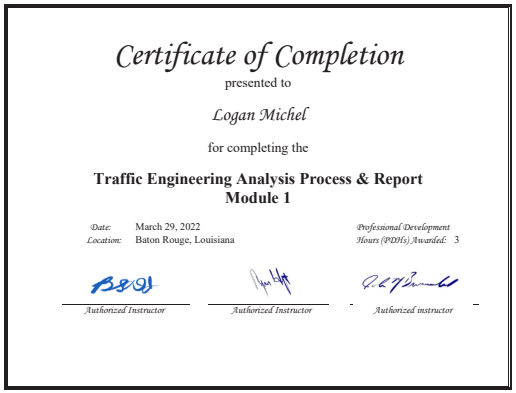
Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Logan Michel



Certificate of Completion

presented to

Logan Michel

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

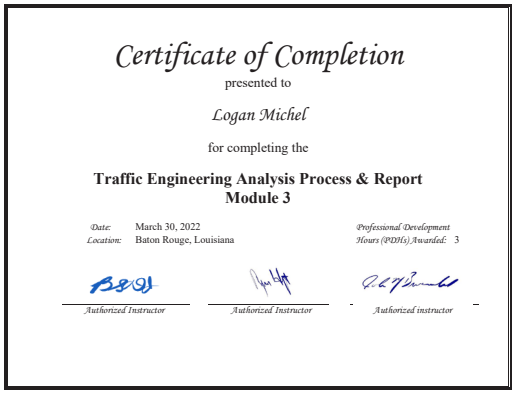
Logan Michel

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*



Certificate of Completion

presented to

Logan Michel

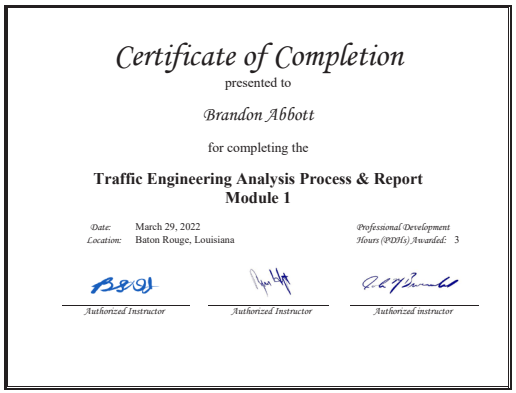
for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Brandon Abbott



Certificate of Completion

presented to

Brandon Abbott

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Brandon Abbott

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Brandon Abbott

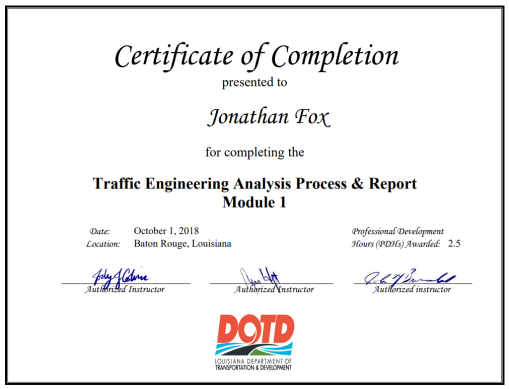
for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Jonathan Fox



Certificate of Completion

presented to

Jonathan Fox

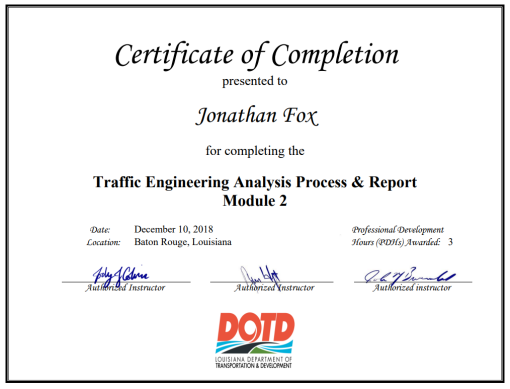
for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan Fox

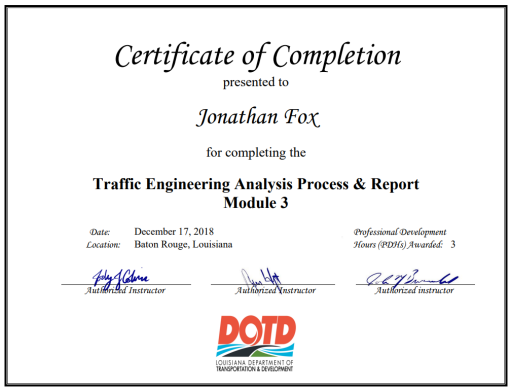
for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan Fox

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: December 17, 2018 *Professional Development Hours (PDHs) Awarded:* 3
Location: Baton Rouge, Louisiana

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

The American Traffic Safety Services Association

Hereby recognizes that

Jonathan Fox

has attended

Traffic Control Supervisor-LA State Specific

Training Course

08/09/2014
Date

Baton Rouge, LA
Location

ATSSA SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Jonathan Fox

has attended

Traffic Control Technician-LA State Specific

Training Course

08/07/2014
Date

Baton Rouge, LA
Location

ATSSA SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Jonathan Fox

has attended

Traffic Control Design Specialist - 1 day

Training Course

06/22/2015
Date

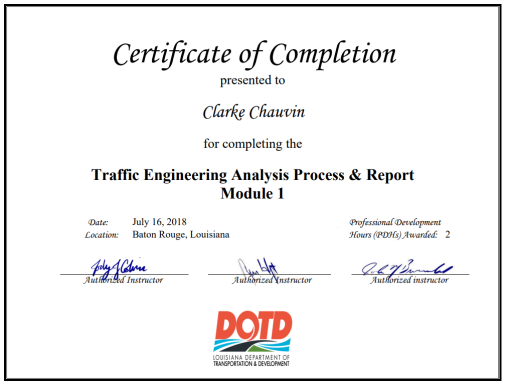
Baton Rouge, LA
Location

ATSSA SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

Clarke Chauvin



Certificate of Completion

presented to

Clarke Chauvin

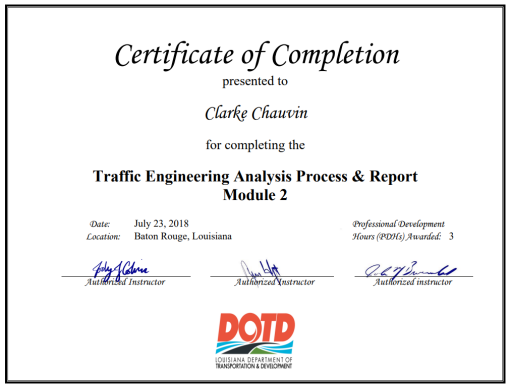
for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Clarke Chauvin

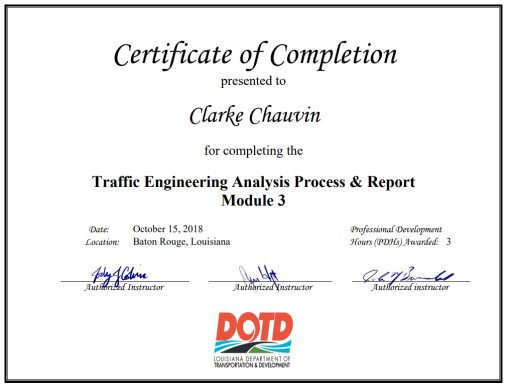
for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Clarke Chauvin

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Clarke Chauvin

The American Traffic Safety Services Association

Hereby recognizes that

Clarke Chauvin

has attended

Traffic Control Supervisor-LA State Spec

Training Course

10/16/2014
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Clarke Chauvin

has attended

Traffic Control Technician-LA State Specific

Training Course

10/14/2014
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

IMSA CERTIFIED PUBLIC SAFETY TECHNICIAN

Clarke P. Chauvin

is hereby certified as a

Traffic Signal Field Technician Level II

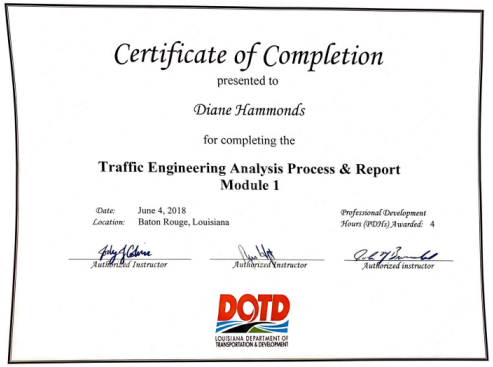
by completing all requirements and examination for certification on 9/18/2019

Valid thru 9/18/2022

Certification #BE_125780

Toby Cummings, CAE - Executive Director

Diane Hammonds



Certificate of Completion

presented to

Diane Hammonds

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana

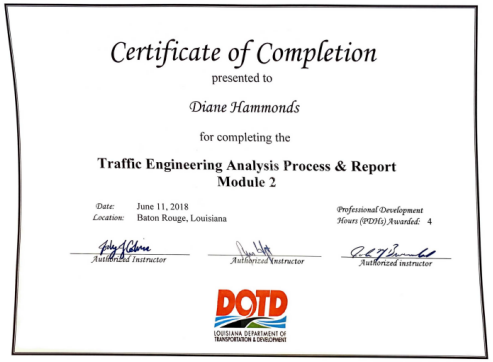
Professional Development Hours (PDH's) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Diane Hammonds

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana

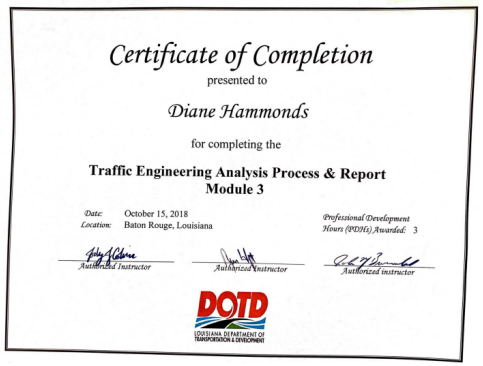
Professional Development Hours (PDH's) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Diane Hammonds

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development Hours (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

Diane Hammonds
has attended
Traffic Control Supervisor-LA State Specific
Training Course

4/29/2020 to 4/30/2020
Date

Location

Vice President of Member Services

President, CEO

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Diane Hammonds
has attended
Traffic Control Technician-LA State Specific
Training Course

4/28/2020 to 4/28/2020
Date

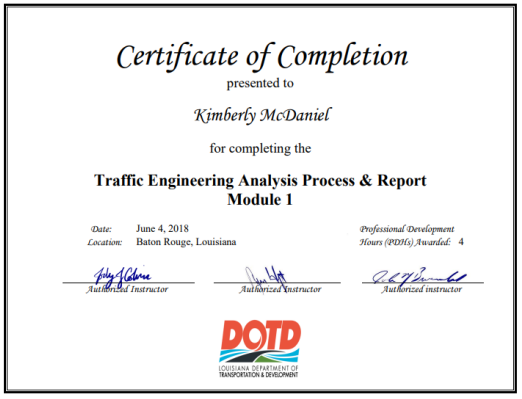
Baton Rouge, LA
Location

Vice President of Member Services

President, CEO

ATSSA American Traffic Safety Services Association ATSSA.com

Kimberly McDaniel



Certificate of Completion

presented to

Kimberly McDaniel

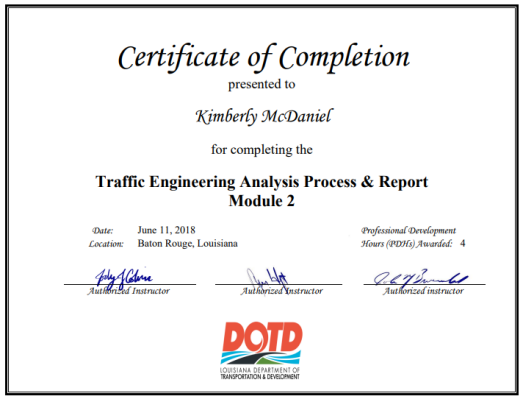
for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor Authorized Instructor Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Kimberly McDaniel

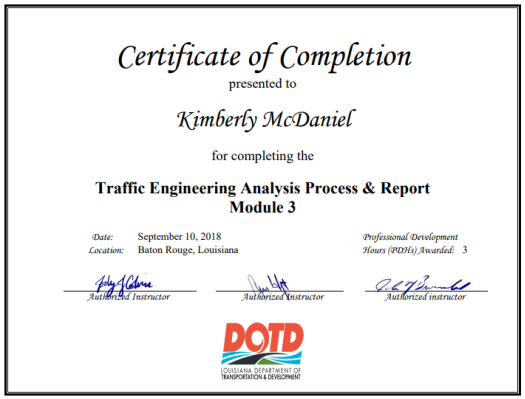
for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Authorized Instructor Authorized Instructor Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Kimberly McDaniel

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Authorized Instructor Authorized Instructor Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

The American Traffic Safety Services Association

Hereby recognizes that

Kimberly McDaniel

has attended

Traffic Control Supervisor-LA State Specific

Training Course

1/13/16 to 1/14/16
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Kimberly McDaniel

has attended

Traffic Control Technician-LA State Specific

Training Course

1/12/16 to 1/12/16
Date

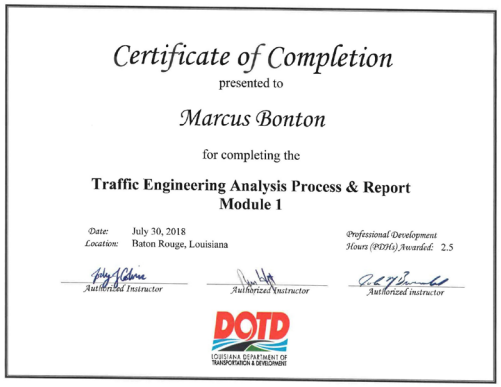
Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

Marcus Bonton



Certificate of Completion

presented to

Marcus Bonton

for completing the

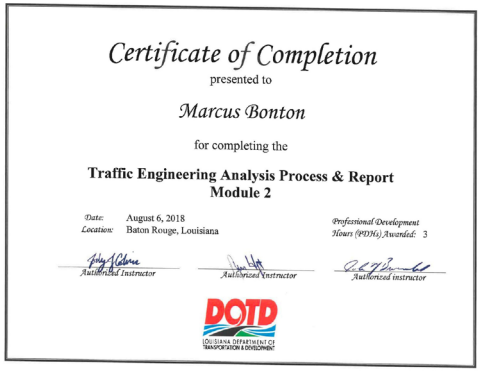
Traffic Engineering Analysis Process & Report
Module 1

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

Marcus Bonton

for completing the

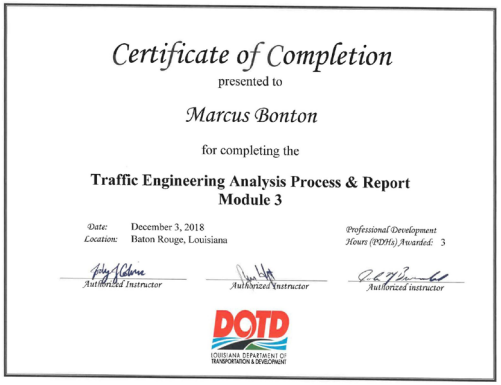
Traffic Engineering Analysis Process & Report
Module 2

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

Marcus Bonton

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

LaDarien Beene

Certificate of Completion

presented to

LaDarien Beene

for completing the

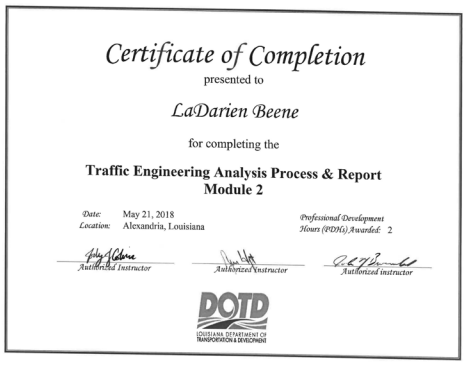
Traffic Engineering Analysis Process & Report
Module 1

Date: April 19, 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

LaDarien Beene

for completing the

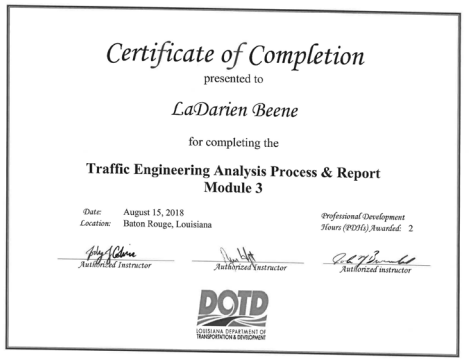
Traffic Engineering Analysis Process & Report
Module 2

Date: May 21, 2018
Location: Alexandria, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

LaDarien Beene

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Office of the Secretary
PO Box 94245 | Baton Rouge, LA 70804-9245
PH: 225-379-1200 | FX: 225-379-1851

John Bel Edwards, Governor
Shawn D. Wilson, Ph.D., Secretary

August 6, 2021

Bonton Associates, LLC
ATTN: Darius Bonton
232 3rd Street
Suite 100
Baton Rouge, LA 70801

Dear Darius Bonton:

We have received your firm's Disadvantaged Business Enterprise (**DBE**) and Small Business Element (**SBE**) annual affidavit. Based on the information which you provided we have concluded that your firm continues to meet the eligibility requirements of our program and remains certified for **only** the following **specific** work categories **that fall under the listed NAICS codes**:

NC541330-Engineering Services
NC541620-Environmental Consulting Services
C09-Civil Engineering
C95-Stormwater Plans/Inspections

Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also note that A Louisiana Contractor's License is required by any contractor performing work in excess of $50,000 with the exception of electrical, mechanical and plumbing which are required to have a license if work is in excess of $10,000. You may contact the State Licensing Board for Contractors at (225) 765-2301 for more information. Your firm's certification will be recognized by all participants of the Louisiana Unified Certification Program. This includes all entities receiving federal transportation funding within the boundaries of our state.

You will be required to submit an annual affidavit with all supporting documents (**Business taxes with all attachments, such as 1098, 1099, K-1's and/or W-2's**) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date of **June 30, 2022**. However, should you not receive notification from this office for your annual affidavit, it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes which affect the social and economic disadvantage, size, ownership or control of your firm.

The Department has contracted with SJB Group, LLC to provide DBE Supportive Services to all our certified DBE's at no cost to you. This consultant can offer your firm assistance and guidance on areas such as marketing, estimating, bidding, financial preparations, etc. Please feel free to contact Jackie des Bordes or Kenyatta Sparks with the SJB Group, LLC at (225) 769-3400 for any assistance needed to grow your organization.

We reserve the right to withdraw this certification, if at any time, it is determined that **DBE and SBE** certifications was knowingly obtained by the submission of false, misleading or incorrect data. We further reserve the right to request additional information and/or conduct an on-site visit at any time during your certification period.

If further assistance is needed, contact the DBE Certification Unit at (225) 379-1382.

Respectfully,

Paula Merrick Roddy
Compliance Programs Director

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)

Bonton Associates, LLC.

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

NC541330, NC541620

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

Certificate Eligibility: June 2021 to June 2022

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.

Paula Merrick Roddy, Compliance Programs Director

Louisiana Department of Transportation & Development

21. QA/QC Plan and/or Work Plan

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

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

22. Sub-consultant Information

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

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Intelligent Transportation Systems LLC	20405 Highland Road Baton Rouge, LA 70817	Jonathan Fox, PE, PTOE, PMP jfox@itsanswers.com	225-751-9300
Bonton Associates	232 N. 3rd Street, Suite 100 Baton Rouge, LA 70801	Marcus Bonton, PE marcus@bontonassociates.com	225-706-0975

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.

WWW.GECINC.COM