

Statement of Qualifications

RESOLUTION NO. 144425 | SOQ 24-026

PROFESSIONAL ELECTRICAL ENGINEERING SERVICES FOR MISCELLANEOUS STREET LIGHTING PROJECTS AND OTHER ELECTRICAL RELATED WORK

Presented to: Jefferson Parish Government



September 6, 2024





September 6, 2024

Jefferson Parish Council
General Government Building
200 Derbigny Street, Suite 6700
Gretna, LA 70054
Submitted electronically

RE: REQUEST FOR QUALIFICATIONS, PROFESSIONAL ELECTRICAL ENGINEERING SERVICES FOR MISCELLANEOUS STREET LIGHTING PROJECTS AND OTHER ELECTRICAL RELATED WORK THROUGHOUT JEFFERSON PARISH (RESOLUTION NO. 144425 | SOQ 24-026)

Dear Consultant Selection Committee,

G.E.C., Inc. (GEC) is pleased to present our proposal in response to Jefferson Parish's request for qualifications for the referenced services. Our proposal is compliant with the RFQ instructions and demonstrates our ability to successfully deliver professional services. GEC (EF.0001917) is licensed to perform and complete professional services in the State of Louisiana through the Louisiana Professional Engineering and Land Surveying Board.

COMPANY HISTORY

Established in 1986, GEC has more than 100 employees and a long history of experience with similar projects. GEC offers comprehensive, multi-disciplinary project planning, design, and implementation services for public and private clients nationwide. The diverse resources of the company include design and construction engineering, economic analysis, environmental and ecological sciences, and GIS applications. We commit to producing high quality planning and design documents on time and within budget in keeping with the special needs of our clients so they can meet their objectives in a timely and efficient manner. Many of the GEC personnel assigned to this contract have more than 15 years of experience providing similar services.

GEC is committed to providing responsive engineering and technical solutions for our clients. As the proposed Principal-in-Charge for this assignment, I will work to provide innovative, safe, environmentally responsible, and transparent professional services. We appreciate the opportunity to present our electrical engineering qualifications to Jefferson Parish for this as-needed contract.

Sincerely,

Sherri LeBas, PE
Executive Vice President, G.E.C., Inc

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

A. PROJECT NAME AND ADVERTISEMENT RESOLUTION NUMBER:

Professional Electrical Engineering Services for Miscellaneous Street Lighting Projects and Other Electrical Related Work throughout Jefferson Parish
(Resolution No. 144425 | SOQ 24-026)

B. FIRM NAME & ADDRESS WHERE PROJECT WORK WILL BE PERFORMED:

G.E.C., Inc. (GEC)
3501 N. Causeway Blvd., Suite 210
Metairie, Louisiana 70002

C. NAME, TITLE AND CONTACT INFORMATION OF PRINCIPAL, AS DEFINED IN SECTION 2-926 OF THE JEFFERSON PARISH CODE OF ORDINANCES, WHO IS A REGISTERED, LICENSED ARCHITECT, PROFESSIONAL ENGINEER, OR SURVEYOR IN THE STATE OF LOUISIANA:

Sherri LeBas, PE, Executive Vice President
P. (225) 612-3000 E. slebas@gecinc.com
Louisiana Licensed Professional Civil Engineer No. 23844 (1990)

D. NAME AND CONTACT INFORMATION OF EMPLOYEE WHO IS A REGISTERED AND LICENSED ARCHITECT, PROFESSIONAL ENGINEER, OR SURVEYOR IN THE STATE OF LOUISIANA IN THE APPLICABLE DISCIPLINE. A SUBCONTRACTOR MAY BE SUBSTITUTED HERE ONLY IF THE ADVERTISED PROJECT REQUIRES MORE THAN ONE DISCIPLINE.

Mickey Prattini Jr., PE, Electrical Engineer
P. (504) 838-6009 E. mprattini@gecinc.com
Louisiana Licensed Professional Electrical and Computer Engineer No. 35993 (2011)

E. PLEASE PROVIDE THE NUMBER OF EMPLOYEES WHOSE PRIMARY FUNCTION CORRESPONDS WITH EACH CATEGORY:

9	Administrative	**	Estimators	***	Specification Writers
0	Architects (Licensed)	1	Geologists	6	Structural Engineers
0	Chemical Engineers	0	Geotechnical Engineers	2	Graduate Engineers
24*	Civil Engineers	0	Interior Designers	2	Project Managers
26	Construction Inspectors	0	Landscape Architects	0	Clerical
7**	Ecologists	0	Land Surveyor	0	Grant/Funding Specialist
5	Electrical Engineers	1	Mechanical Engineers	****	Sanitary Engineers
7	Engineer Intern	4	Environmental Engineers	39	Other
0	Professional Land Surveyors	0	Urban Planner	133	TOTAL

*Coastal, Transportation and Hydrologist included in Civil Engineers

**Senior Technical Personnel prepare Cost Estimates

***Senior Technical Personnel prepare Specifications

****Sanitary Engineers included in Environmental Engineers

F. IS THIS SUBMITTAL BY A JOINT-VENTURE? PLEASE CHECK: YES _____ NO

IF MARKED "NO" SKIP TO SECTION I. IF MARKED "YES" COMPLETE SECTIONS G-H.

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

G. IF SUBMITTAL IS BY JOINT-VENTURE, LIST THE FIRMS PARTICIPATING AND OUTLINE SPECIFIC AREAS OF RESPONSIBILITY (INCLUDING ADMINISTRATIVE, TECHNICAL, AND FINANCIAL) FOR EACH FIRM. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

1.
N/A

2.

H. HAS THIS JOINT-VENTURE PREVIOUSLY WORKED TOGETHER? PLEASE CHECK:

YES _____ NO _____

I. LIST ALL SUBCONTRACTORS ANTICIPATED FOR THIS PROJECT. PLEASE NOTE THAT ALL SUBCONTRACTORS MUST SUBMIT A FULLY COMPLETED COPY OF THIS QUESTIONNAIRE, APPLICABLE LICENSES, AND ANY OTHER INFORMATION REQUIRED BY THE ADVERTISEMENT. SEE JEFFERSON PARISH CODE OF ORDINANCES, SEC. 2-928(A)(3). PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

NAME & ADDRESS	SPECIALTY	WORKED WITH FIRM BEFORE (YES OR NO):
N/A		

J. PLEASE SPECIFY THE TOTAL NUMBER OF SUPPORT PERSONNEL THAT MAY ASSIST IN THE COMPLETION OF THIS PROJECT:

12 (additional individuals available to be assigned as needed)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

K. LIST THE PROFESSIONAL IN CHARGE, KEY PERSONS, SPECIALISTS, AND INDIVIDUAL CONSULTANTS ANTICIPATED FOR THIS PROJECT AND PROVIDE THEIR RELEVANT INFORMATION BELOW. IF NECESSARY, PLEASE ATTACH ADDITIONAL DOCUMENTATION (I.E. RESUME) THAT DEMONSTRATES THE EMPLOYMENT HISTORY AND EXPERIENCE OF THE FIRM'S KEY PERSONS THAT MAY ASSIST IN THE COMPLETION OF THIS PROJECT. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROFESSIONAL IN CHARGE OF PROJECT:

NAME & TITLE:

MICKEY PRATTINI JR., PE, Electrical Section Manager

PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

9 (20 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2004 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2011 / Louisiana Licensed Professional Electrical and Computer Engineer No. 35993

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Prattini's 20 years of electrical design experience includes wastewater treatment facilities and lift stations, multiple pump motor installations in hazardous (classified) locations, generator installation projects, lighting, and multiple government (municipal and transportation) projects. Mr. Prattini is experienced with NFPA standards required by electrical projects and is capable of completing the design and project management related tasks required for this project. He began his career as an electrician in the US Army and has consistently managed client and stakeholder relations along with design challenges to produce quality deliverables in line with the project's delivery schedule.

RELEVANT PROJECT EXPERIENCE

HARVEY WWTP - ELECTRICAL DISTRIBUTION UPGRADE: Jefferson Parish, LA. Conceptual Design and Quality Control. Mr. Prattini performed the conceptual design consisting of obtaining design parameters, coordinating with Entergy, and compiling a conceptual design report inclusive of field data, design concept, and preliminary cost estimate. During the design phase, Mr.



Prattini served as quality control for the technical plans, and compiled bid documents as per Jefferson Parish direction. (11/20-Present)

AMES BLVD LIGHTING (LAPALCO BLVD TO WESTBANK EXPY): Jefferson Parish, LA. Electrical Engineer of Record. Mr. Prattini was in responsible charge of the electrical design for adding decorative street lighting fixtures to approximately 1.3 miles of roadway. GEC provided design and construction related engineering services. (8/21-Present)

EMERGENCY GENERATORS AT PARISH PUMP STATIONS (BIG BELLE TERRE, CAPT. BOURGEOIS, AND NED DUHE): St. John the Baptist Parish, LA. Electrical Engineer of Record: Mr. Prattini oversaw the electrical design and construction phase of the addition of three (3) standby generators and accessories (transfer switches, etc.) to existing pump station sites. (04/18 - 01/23)

LASAFE AIRLINE AND MAIN STREET COMPLETE STREETS: St. John the Baptist Parish, LA. Electrical Engineer of Record - Mr. Prattini designed and supervised the electrical design of the roadway lighting system. This

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

MICKEY PRATTINI JR., PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

project involved the design and illumination of a sidewalk along Airline Highway that will connect to Main Street. This sidewalk will accommodate pedestrians and bicyclists. Additional illumination is provided for the parking area of St. John Parish Utilities building, located at the intersection of Main Street and Airline Highway. (09/19-05/23)

RETAINER NO. 44-2746, T.O. H.010916 / PRIEN LAKE MAIN SPAN RE-DECK: Lake Charles, LA. Quality Control: Mr. Prattini performed Quality Control for this project. GEC provided design services under two Task Orders and will provide CE&I under a third. (06/15-10/15)

RETAINER NO. 44-2746, T.O. H.010720 / I-12, LA 1088 INTERCHANGE LIGHTING: St. Tammany Parish, LA. Quality Control: Mr. Prattini performed Quality Control for this project. GEC provided design services and construction services under two Task Orders. (10/15-04/18)

RETAINER NO. 44-2746, T.O. H.003462 / I-12 AT NORTHSORE BOULEVARD INTERCHANGE LIGHTING: Slidell, LA. Quality Control: Mr. Prattini performed Quality Control for this project. Services included design, development of plans and specifications, and CE&I as required. (02/16-05/18)

RETAINER NO. 44-2746, T.O. H.010440 / I-210 OVER CALCASIEU RIVER WEST OF I-10 INTERSTATE LIGHTING: Lake Charles, LA. Quality Control: Mr. Prattini performed Quality Control for this project. Services include feasibility study, design, development of plans and specifications, and CE&I as required. (11/16-02/17)

RETAINER NO. 44-2746, T.O. H.012602 / MORRISON ROAD INTERSTATE LIGHTING: New Orleans, LA. Quality Control: Mr. Prattini performed Quality Control for this project. Project limits included the I-10 / Morrison Road Interchange. GEC provided design and construction services under two separate Task Orders. (01/17-06/18)

RETAINER NO. 44-2746, T.O. H.012469, US 190 MISSISSIPPI RIVER BRIDGE – NAVIGATION LIGHT REPLACEMENT: Baton Rouge, LA. Quality Control: In

2017, Mr. Prattini performed Quality Control for this project. From 2021-2022, Mr. Prattini provided revised plans as the engineer of record, which addressed additional comments made by the railroad. Project makeup consists of the following types of roadway lighting standards: navigation and aviation lighting. GEC provided design services and is currently awaiting the project to be slated for construction. (2017-2022)

H.004698/H.007250, LADOTD, ALMONASTER AVE. BRIDGE AND APPROACHES: New Orleans, LA. Electrical Engineer / Quality Control: Mr. Prattini performed the preliminary electrical design followed by Quality Control in the later stages of this project. Project consisted of replacing the existing bridge with a rolling leaf bridge to support the roadway and railroad in accordance with all relevant standards. (07/15 – 02/17)

H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Engineer of Record: Mr. Prattini has provided photometric and lighting design review and quality control review 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. (02/20-Present)

H.004100.5 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: West and East Baton Rouge Parishes, LA. Electrical Engineer: Mr. Prattini completed an enhancement lighting study for Segment 1 of the project to incorporate aesthetic lighting at the City Park Lake Bridge and emphasize the Greenway path from the Expressway Park to the bridge. Though the CMAR project is currently in design, Mr. Prattini is currently overseeing and collaborating on the design of the enhancement, roadway, and walkway lighting. (09/20-Present)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

SHERRI LEBAS, PE, Executive Vice President

PROJECT ASSIGNMENT:

Principal-in-Charge

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

8 (39 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1985 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1990 / Louisiana Licensed Professional Civil Engineer, Environmental Engineer No. 23844

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Ms. LeBas is Executive Vice President of GEC. She is a professional civil engineer with 39 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.



RELEVANT PROJECT EXPERIENCE

I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12: Baton Rouge, Louisiana. Assistant Project Manager - Ms. LeBas serves as Assistant Project Manager for this CMAR project, leading the development and annual updates of the Design Quality Manual, Project Management Plan, Initial Financial Plan, Project Implementation Plan and document control. Ms. LeBas is managing the Community Connections/Context Sensitive Solutions process which includes meetings with stakeholders and public outreach. In addition, Ms. LeBas provides management oversight of the design elements being designed by GEC engineers which include lighting (roadway and enhancement), retaining wall, bridge, and noisewalls, along with coordination with roadway and overall design elements. (09/20-Present)

I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, Louisiana. Quality Design Manager - Ms. LeBas is providing management of the quality design reviews for the GEC/Boh Bros. team. GEC is responsible for engineering design and quality reviews for roadway, drainage, bridge, noise walls, traffic management plans, intelligent transportation systems, and lighting. (08/20-Present)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

CARY BOURGEOIS, PE, Senior Vice President

PROJECT ASSIGNMENT:

Quality Assurance / Quality Control

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

39 (39 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1983 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1983 / Louisiana Licensed Professional Civil Engineer No. 23414

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Bourgeois is GEC's Senior Vice President, currently involved in supervising activities and performing design services on several large-scale projects. Mr. Bourgeois is experienced in the areas of Bridge, Roadway, Toll Collection Systems and Intelligent Transportation Systems (ITS) design. He has extensive experience in safety inspection of bridges. He has valuable experience in the design of prestressed concrete girders, curved steel plate girders, continuous slabs, inverted "T" cap column bents, pile bents, footings, retaining walls, as well as geometry associated with bridge structures and roadways. He is thoroughly familiar with AASHTO Standard Specifications for Highway Bridges, AASHTO Policy on Geometric Design of Highways and Streets, Manual on Uniform Traffic Control Devices, the Highway Capacity Manual and the Standard Specifications for Structural Support for Highway Signs, Luminaries and Traffic Signals.

RELEVANT PROJECT EXPERIENCE

BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. Principal-in-Charge - 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. (09/20-Present) (City-Parish Project No. 19-CP-HC-0034)

LA SAFE-AIRLINE AND MAIN COMPLETE STREETS: Laplace, LA. Principal-in-Charge - 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.



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

CARY BOURGEOIS, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

GEC also oversaw development of the fee for all costs from surveying to construction. (2019-2024)

H.003074, I-10 WIDENING, WILLIAMS TO VETERANS : Jefferson Parish, LA. Principal in Charge - 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 whether to widen or replace the existing bridges. The data supported the replacement of the bridges. GEC designed concrete slab spans, prestressed concrete girder spans and steel girder spans. All pre-stressed girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specs. (06/17-Present)

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. (03/95-06/10)

I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA. Principal-in-Charge - The project includes the replacement of two slab span bridges. Mr. Bourgeois is Principal-in-Charge and oversaw the design phase of the project. (10/19-11/20)

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. (04/2019-Present)

USACE, 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. (07/09-06/12)

GREATER NEW ORLEANS EXPRESSWAY COMMISSION (GNOEC), LAKE PONTCHARTRAIN CAUSEWAY, CONSULTING ENGINEER: Metairie, LA. Overall Project Manager - 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 15 years. In this time GEC has designed and implemented over \$125,000,000 in improvements to the GNOEC system. (1991-Present)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

MICHAEL CHIASSON, PE, Senior Electrical Engineer

PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

14 (47 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1973 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1979 / Louisiana Licensed Professional Electrical Engineer No. 17978

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Chiasson has over 47 years of experience in the design and development of process control and related systems. At GEC Mr. Chiasson has completed designs for several waste water lift stations and drainage pumping stations. At Dow Chemical, he was responsible for the preparation of plans and specifications (design and development) of process control engineering projects, from plans and specifications to final construction inspection. Other duties include reverse engineering the manufactured systems to understand how to modify the instruments for computer control and data collection. Calculations, field inspections, data collection, and report preparation were also parts of these projects.

RELEVANT PROJECT EXPERIENCE

KENNER 4.0 MGD SEWER LIFT STATION UPGRADE: Project No. PW-2020-4-SW, Kenner La.) Electrical Engineer of Record. Mr. Chiasson designed the Instrumentation and operator display system to control four 125 HP submersible pumps. The new station is being built next to existing station and shall take over once construction and testing is complete. Manual bypass was a major requirement for this project so special care was taken to allow operators to take over a pump should the control system fail. (2022-Present)

TERRACE STREET PUMPING STATION UPGRADE: (City-Parish Project No. 16-DR-CI-0003), Baton Rouge, La. Electrical Engineer of Record. Mr. Chiasson designed the instrumentation and control systems for the replacement pump station. The design was to convert diesel pumps to electric pumps in a phased upgrade. The major requirement was that at any time at least two pumps should remain functional during conversion. (2022-Present)

KANSAS LANE – GARRETT RD CONNECTOR: Ouachita Parish, LA. Electrical Engineer - Mr. Chiasson was involved in the QA/QC checking of all the drawings. (09/17-01/20) (State Project No. 44-10428, H.004774.5/H.007300.6)

I-49, LA 31 INTERCHANGE LIGHTING (OPELOUSAS), TASK ORDER NO. 2: Opelousas, LA. Electrical Engineer - Mr. Chiasson was involved in the QA/QC checking of all the drawings. (03/23-Present) (State Project No. 44-11354, H.014552.5)

LADOTD, RETAINER CONTRACT FOR ELECTRICAL SERVICES: Statewide, LA. Electrical Engineer - This retainer contract included two pilot projects to install the first two LADOTD interstate lighting systems using LED high mast and LED low mast roadway lighting. Various lighting was included on these contracts including high-



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

MICHAEL CHIASSON, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

mast, low-mast, underpass, navigation, and aviation. There was a total of 21 task orders executed under this contract. (2012-2018)

JEFFERSON PARISH DRAINAGE PUMP STATION UPGRADES—COUSINS PUMPING STATIONS 1, 2, AND 3, HARVEY PUMPING STATION, WHITNEY PUMPING STATION, BAYOU SEGNETTE PUMPING STATION, AND ELMWOOD PUMPING STATION: Jefferson Parish, LA. Electrical Engineer - The projects involved automating both diesel and electric powered pumps to remove drainage water to prevent neighborhood flooding. The automation included sufficient remote controls so that pumps could be operated from either inside the pump station or from a “safe house” location. The requirement meant adding additional instrumentation to diesel and electric pumps so that the pumps could be started, stopped or RPM variance as needed. Project included adding instrumentation to monitor both the inlet and outlet water levels near pumping stations. The project also included adding generator capacity to assure pumping stations could run regardless of utility power. (2009 - 2012)

LAKESHORE VILLAGES & OAK HARBOR EAST UTILITY WATER TREATMENT PLANT EXPANSION: St. Tammany Parish, LA. Electrical Engineer: Includes design of improvements to the Lakeshore Estates development, including adding 450,000 gallon/day (GPD) capacity to the existing 500,000 GPD wastewater treatment plant. The expansion project included a 450,000 GPD extended aeration treatment plant, tertiary filter system, chlorination system, yard piping, and site work. GEC's design of wastewater pumping system consists of ten pumping stations serving 2,950 homes, 600 apartments, and additional commercial development. Planned pump station capacities range from 100 to 480 GPM. (2019-Present)

SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, PUMP STATION 58A: Baton Rouge, LA. Electrical Engineer of Record - This project

included preparation of electrical, instrumentation, and controls plans and specifications for installation of six 4,170 GPM pumps in the dry weather pump station and six 12,500 GPM pumps in the wet weather pump station. Pumps will be additively started and speed ramped up to maintain the lift station water level. Pumps will rotate through a use profile to keep any one pump from constantly being overused. Pump speed for each submersible pump is controlled by variable frequency drives as dictated by the station PLC control system. The station PLC control system will select single or parallel generator operation based on the pumping demand to optimize generator loading. Testing criteria to validate construction meets specification requirements was included in this project. (2010-2014) (City-Parish 09-PS-US-001)

BOOSTER PUMP STATION 514 REPLACEMENT: Baton Rouge, LA. Electrical Engineer of Record - This project included preparation of electrical, instrumentation, and controls plans and specifications for installation of a new 80MGD submersible pump station and control building. The design includes six (6) 500 horsepower and two (2) 165 horsepower submersible pumps to handle wet and dry weather flow. Pumps will be additively started and speed ramped up to maintain the lift station water level. Pumps will rotate through a use profile to keep any one pump from constantly being overused. Pump speed for each submersible pump is controlled by variable frequency drives as dictated by the station PLC control system. The pump station design also included an automatic transfer controller and provisions for parallel 1600kW generators (furnished under separate contract and installed in this project). The station PLC control system will select single or parallel generator operation based on the pumping demand to optimize generator loading. Testing criteria to validate construction meets specification requirements was included. (2015) (City-Parish 09-PS-MS-0034)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

TOM COERVER JR., PE, Senior Electrical Engineer

PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

34 (40 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1980 / Electrical Engineering; MBA / 1990 / Management Information Systems

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2003 / Louisiana Licensed Professional Electrical and Computer Engineer No. 30722

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Coerver has experience in engineering and planning for utilities distribution systems, automatic test systems, and navigation and flood control projects. He also has over 20 years of experience with computers using several operating systems for GIS design, implementation, and analysis; computer aided design and drafting; database design and analysis; and internet publishing. His most recent projects at GEC involved electrical power distribution systems, roadway and bridge lighting, fiber optic communication systems, and wireless and landline communication systems. Design duties include preparation of plans and specifications, Quality Control and Quality Assurance (QC/QA) review, calculations, data collection, and report preparation. Construction Engineering and Inspection (CE&I) duties include review of shop drawing and equipment submittals, respond to request for information, review/prepare as-built drawings, review payment applications, and perform periodic inspection and final system acceptance.

RELEVANT PROJECT EXPERIENCE

US 61 ROADWAY LIGHTING, DAVID TO TRANSCONTINENTAL: Jefferson Parish, LA. Electrical Designer - Mr. Coerver designed roadway lighting for this project under the signing engineer. Project limits are from the US-61 and David Interchange through the



US-61 and Transcontinental interchange. Project makeup consists of 81 ground mounted low mast roadway lights (LED). In addition, lighting control, power distribution, and system protection is included. Services include design and development of plans and specifications as required. (2014-2018)

READ BLVD INTERSTATE LIGHTING: New Orleans, LA – Engineer - Mr. Coerver provided submittal reviews for this project. GEC provided design and construction services under two separate Task Orders. (01/17 – 08/20) (H.012601, LADOTD Retainer No 44-02746)

MORRISON ROAD INTERSTATE LIGHTING: New Orleans, LA. Engineer of Record: Mr. Coerver provided submittal reviews for this project. GEC provided design and construction services under two separate Task Orders. (01/17 – 04/21) (H.012602, LADOTD Retainer No 44-02746)

I-49, JUDSON WALSH DRIVE INTERCHANGE LIGHTING (OPELOUSAS), TASK ORDER NO. 4: Opelousas, LA. QA/QC - Mr. Coerver provides QA/QC for the lighting analysis, voltage drop calculation, and lighting layout of the roadway lighting.. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

TOM COERVER JR., PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

specifications, arc flash hazard analysis, and protective device sizing. (03/23-Present) (LADOTD Retainer No. 44-11354, H.014557.5)

WEST ESPLANADE AT ELMWOOD CANAL ROADWAY LIGHTING IMPROVEMENTS: Jefferson Parish, LA. Electrical Designer - Mr. Coerver designed LED decorative roadway lighting for this project under the signing engineer. Project limits are from west of Elmwood Canal on West Esplanade to East of Elmwood Canal on West Esplanade. (03/12 – 07/12)

I-10 CMAR, LA 415 TO ESSEN LANE ON I-10 AND I-12: West and East Baton Rouge Parishes, LA. Electrical Engineer - Mr. Coerver completed a Roadway, Walkway, Underpass, Service Road and Roundabout Lighting study and an enhancement lighting study for Segment 1 of this CMAR project to incorporate aesthetic lighting at the City Park Lake (CPL) Bridge and emphasize the Greenway path from the Expressway Park to the CPL bridge. He also provides QA/QC for the lighting analysis, voltage drop calculation, and lighting layout of the enhancement lighting and roadway lighting. (03/21-Present) (State Project No. H.004100.5)

PRIEN LAKE MAIN SPAN RE-DECK: Lake Charles, LA. Electrical Designer - Mr. Coerver designed roadway lighting for this project under the signing engineer. Project limits include the I-210 Bridge over Prien Lake and the I-210 / Cove Lane Interchange. Project makeup consists of the following types of roadway lighting standards: 12 ground mount low mast and 50 barrier mount low mast. GEC provided design services under 2 Task Orders and will provide CE&I under a third. In addition, lighting control and power distribution and system protection is included. (06/15-Present) (LADOTD Retainer No. 44-2746, T.O. H.010916)

LA 434 INTERCHANGE LIGHTING (LACOMBE): Lake Charles, LA. Electrical Engineer of Record- Mr. Coerver was the signing engineer on this project. Project limits include the I-12 / LA 434 Interchange. Project makeup consists

of the following types of roadway lighting standards: 72 ground mount low mast and 4 underpass. GEC provided design services and construction services under two Task Orders. In addition, lighting control and power distribution and system protection was included. (06/16-03/19) (LADOTD Retainer No. 44-2746, T.O. H.003451)

I-12, LA 1088 INTERCHANGE LIGHTING: Slidell, LA. Electrical Engineer of Record- Mr. Coerver was the signing engineer on this project. Project limits include the I-12/ LA 1088 Interchange. Project makeup consists of the following types of roadway lighting standards: 68 ground mount low mast and 8 underpass. GEC provided design services and construction services under two Task Orders, in addition to lighting control, power distribution, and system protection. (07/15-10/16) (LADOTD Retainer No. 44-2746, T.O. H.010720)

17TH STREET CANAL TO CAUSEWAY: Metairie, LA. Electrical Engineer - Projects limits are from 17th Street Canal to Causeway Blvd (approximately 2 miles along I-10). Project makeup consist of 120 ft. high mast poles, median lighting using individual lowering devices on 55 ft. poles, and conventional 40 ft. mounting height poles. In addition, lighting control and power distribution and system protection was included. Services included design, development of plans and specifications, and CE&I as required. (1999-2004) (S.P. No. 450-15-0089)

I-12 AT US-11 INTERCHANGE LIGHTING: Slidell, LA. Electrical Engineer – Mr. Coerver performed electrical design, developed plans and specifications, and performed engineering during construction for the following types of roadway lighting standards: 55 ground-mount low mast, one ground mount high mast, and eight underpass. In addition, lighting control and power distribution and system protection was included in the design. (2018) (LADOTD Retainer No. 44-2746, T.O. H.000687)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

JOHN AMADOR, PE, MSEE, Senior Electrical Engineer

PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

<1 (24 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1998 / Electrical Engineering (Minor: Mathematics); M.S. / 1998 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2000 / Louisiana Licensed Professional Electrical Engineer No. 29007

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Amador is an experienced Senior Electrical Engineer with more than 15 years of experience, including over 10 years of substation experience. This encompasses the semiconductor fab, steel mill, chemical plants, mining, refineries, paper mills, critical facilities, sewage treatment, plant storm water systems and public works facilities.

Mr. Amador's Capital Project experience includes industrial micro grids (13.8kV, 4.16kV & 480V), switchyards (230kV, 115kV & 34.5kV), distribution substations (34.5kV, 4.16kV 2.4kV & 480V), back-up power systems (UPS, station power & back-up generators), motor control (13.2kV, 4kV, 2kV, 460V, 200V & 115V), power distribution, power systems analysis, protective relaying, power system reliability, electrical heat tracing, electrical cathodic protection, area lighting, communications (fiber optics, 900 MHz digital radio remote I/O, short haul digital radio, WAN/LAN/WiFi/Voice, cellular repeater & EWS/PA), area classification & physical security systems (pedestrian/vehicular access control, CCTV & perimeter intrusion detection).

Mr. Amador's Capital project Electrical Engineer roles have spanned Task Force Lead, Project Lead, Substation Engineer, Protection Engineer, Equipment Requisitioning, QA/QC, Project Manager, Project Engineer & Construction Support Engineer.



RELEVANT PROJECT EXPERIENCE

HARVEY WWTP – ELECTRICAL DISTRIBUTION UPGRADE: Jefferson Parish, LA. Electrical Engineer of Record – Mr. Amador provided electrical completion engineering and equipment specification engineering of the electrical design phase for the replacement of the main outdoor 13.8kV substation (13.8kV Primary Switchgear and two (2) 4.16kV Effluent Power Transformers), three (3) outdoor 480V distribution substations and the RAS/WAS Building 480V motor control center (MCC) equipment. (01/24-Present)

SOUTHEAST LOUISIANA (SELA) PUMP STATION #13: Algiers, LA. Electrical Engineer of Record – Mr. Amador is providing substation, back-up generation and distribution design for the new pump house project adding three 600 cfs Stormwater pumps (approximately 3,000 HP each) in support of the existing New Orleans Sewerage and Water Board (NOSWB) Drainage Pump Station 13. (01/24-Present)

HAHNVILLE WWTP – MEMBRANE UPGRADE: St. Charles Parish, LA. Electrical Engineer of Record – Mr. Amador provided electrical power distribution (13.8kV Utility O/H Primary Distribution, 480V Secondary Plant Distribution MCC Building) design concept development

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

JOHN AMADOR, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

and feasibility assessment in support of the proposed Membrane process upgrade. (06/24-Present)

GNOEC - CAUSEWAY 25KV POWER SYSTEM UPGRADE:

St. Tammany Parish, LA Electrical Engineer of Record - Mr. Amador provided concept design development in support of the 25kV distribution system load break switchgear local control hardware and power SCADA system replacement project at the GNOEC causeway. (01/24-Present)

PRIOR TO JOINING GEC:

CDI ENGINEERING SOLUTIONS: Various Locations.

Senior Electrical Project Engineer E7 – Responsibilities: power distribution (13.8kV, 4160V, 480V, 208Y/120V, 125VDC), substations and area classification; Codes, Standards and Regulations compliance (e.g., IEEE, NEMA, NEC & NFPA); and QA/QC for ammonia & refinery Capital Projects.

W S NELSON C/O PRC INC.: New Orleans, LA. Senior Electrical Project Engineer - Responsibilities: 230 kV and 115 kV Switchyards; Switchyard Control Panels and Protective Relay Panels; Codes, Standards and Regulations compliance (e.g., IEEE, NEC, NESC, & NFPA); area classification; and QA/QC for copper mining Capital Projects.

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

LUIS DIAZ, PE, Electrical Engineer

PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

3 (4 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2019 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2024 / Louisiana Licensed Professional Electrical and Computer Engineer No. 48985

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Diaz has 4 years of experience in designing electrical lighting and power systems. He has performed photometric calculations, voltage drop, and conduit fill calculations, conductor sizing, equipment specifications, arc flash analysis, and protective device sizing for interstate and urban projects. In addition to roadway lighting projects, Mr. Diaz has experience in the analysis of generator systems performing generator-sizing calculations to meet a project's power requirements and hands on experience with rotating equipment.

RELEVANT PROJECT EXPERIENCE

AMES BLVD DECORATIVE ST. LIGHTING (JEFFERSON PARISH): New Orleans, LA. Electrical Design/ Construction Engineering and Inspection - Mr. Diaz completed the design of this project under the supervision of the signing professional engineer. Design tasks included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing. Mr. Diaz currently provides construction engineering support services. (2021-Present)

SOUTHEAST LOUISIANA (SELA) PUMP STATION #13: New Orleans, LA. Electrical Design: Mr. Diaz developed preliminary design for this project under the supervision

of the signing professional engineer. He has worked in the writing of the Electrical Specifications following the Army Core of Engineers' standards. Mr. Diaz has checked one-line drawings, elevation drawings, designed the cable schedule, and designed the lighting layout sheets. Mr. Diaz performed services for the relocation of the Algiers SELA pump station's substation and construction of the new pump station including replacement of the existing diesel engines with 3000 Horsepower electric motors and 3.9MW 4160 V generators. The new design includes a new electrical system such as new Variable Frequency Drives and Medium-Voltage Switchgear as well as the relighting the pump station and the substation. (2021-Present)

H.004100.5 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: West and East Baton Rouge Parishes, LA. Electrical Design - Mr. Diaz designed the enhancement lighting study for Segment 1 of the project to incorporate aesthetic lighting at the City Park Lake Bridge and emphasize the Greenway path from the Expressway Park to the bridge and coordinated with lighting vendors to process the electrical design for the enhancement lighting systems across the I-10 CMAR Segment 1 portion of the project. Mr. Diaz is performing electrical design for the Roadway, Walkway, Underpass, Service Road, and Roundabout



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

LUIS DIAZ, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Lighting. He is also involved in the lighting analysis, voltage drop calculation, and lighting layout of the enhancement lighting and roadway lighting. (07/21-Present)

TOWN OF SPRINGFIELD LIFT STATION PROJECT: Springfield, LA. Electrical Design - Mr. Diaz currently provides the design of this project under the supervision of the signing professional engineer. Mr. Diaz has participated in an on-site visit, multi-disciplinary meetings, completed the electrical plan set submitted to be constructed. He also was a part of the electrical specifications for the project. (05/22-01/23)

H.013897 I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Electrical Design - Mr. Diaz has assisted with photometric and lighting layout design 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. (05/21-Present) (State Project No. H.013897)

H.007300 LADOTD, KANSAS LN. – GARRETT RD. CONNECTOR: Monroe, LA. Electrical Design - Mr. Diaz completed design under the supervision of the signing professional engineer. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing. (2021-Present)

H.013617.5 LADOTD, I-10 / I-610 E INTERCHANGE - ORLEANS PARISH: Metairie, LA. Electrical Design - Mr. Diaz completed design under the supervision of the signing professional engineer. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing. (2021-Present)

H.003074.5 LADOTD, I-10, WILLIAMS BLVD. TO VETERANS BLVD.: Kenner, LA. Electrical Design - Mr. Diaz completed design work under the supervision of the signing professional engineer. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing. (2021-Present)

H.004273.5 LADOTD, I-49 CONNECTOR, LAFAYETTE PARISH: Lafayette, LA. Electrical Design - Mr. Diaz performs lighting analysis by SE Evangeline Thruway ramps for pole locations to coordinate with FAA to satisfy requirements near the airport.(2021-Present)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

DANG NGUYEN, EI, Electrical Engineer Intern

PROJECT ASSIGNMENT:

Electrical Engineer Intern

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

1 (1 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2022 / Electrical & Computer Engineering, Mathematics Minor

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2023 / Louisiana Licensed Engineer Intern No. 35418

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Nguyen joined GEC in 2023 as an Engineer Intern following his graduation in 2022. He one year of experience with GEC designing electrical lighting and power systems. He has performed photometric calculations, voltage drop, and conduit fill calculations, conductor sizing, equipment specifications, and protective device sizing for interstate and urban projects. In addition to roadway lighting projects, Mr. Nguyen has experience in the lighting design of waste water treatment facilities to meet set standards.

RELEVANT PROJECT EXPERIENCE

SOUTHEAST LOUISIANA (SELA) PUMP STATION

#13: Algiers, Orleans Parish, LA. Electrical Design - Mr. Nguyen contributed to the design of this project under the guidance of the supervising professional engineer. He was responsible for drafting the Electrical Specifications in accordance with the Army Corps of Engineers' standards. His tasks included reviewing one-line and elevation drawings, designing the luminaire schedule, calculating load sizes for lighting and receptacle panels, and planning conduit runs for receptacles, lighting, and switch controls. Mr. Nguyen also reviewed drawings from various departments (Architectural, Structural, Mechanical, Civil, HVAC) to ensure that his designs were up-to-date and in compliance with their updates.



LADOTD, KANSAS LN. – GARRETT RD. CONNECTOR: Monroe, LA. Electrical Design: Mr. Nguyen completed the electrical design for this project under the supervision of the signing professional engineer. His responsibilities included developing the construction plan set, performing photometric calculations, calculating voltage drops and conduit fills, sizing conductors, reviewing and updating design documents, specifying equipment, preparing technical special provisions, and compiling the document package. Additionally, he contributed to the preparation of the engineer's opinion of probable construction cost. (State Project No. H.007300)

LADOTD, I-210 HURRICANE LAURA LIGHTING REPAIRS: Calcasieu Parish, LA. Electrical Design: Mr. Nguyen completed the electrical design for the I-210 Hurricane Laura lighting repairs under the supervision of the signing professional engineer. His work involved developing construction plan sets, performing photometric calculations, calculating voltage drops and conduit fills, sizing conductors, reviewing and updating design documents, specifying equipment, preparing technical special provisions, and compiling the document package. (State Project No. H.015598)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

NICHOLAS MONTEGUT, Electrical Designer

PROJECT ASSIGNMENT:

Electrical Design / Project Coordinator

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

6 (6 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2017 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

N/A

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Montegut has 6 years of experience in designing electrical lighting and power systems. As an electrical designer, under the supervision of a professional engineer, he has performed photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash analysis, and protective device sizing for LADOTD interstate and urban projects. In addition to roadway lighting projects, Mr. Montegut has experience in the analysis of generator systems performing generator-sizing calculations to meet a project's power requirements, voltage drop and conduit fill calculations, conductor sizing, protective device coordination and arc flash analysis using ETAP.

RELEVANT PROJECT EXPERIENCE

AMES BLVD DECORATIVE ST. LIGHTING (JEFFERSON PARISH): New Orleans, LA. Electrical Design/ Construction Engineering and Inspection - Mr. Montegut completed the design of this project under the supervision of the signing professional engineer. Design tasks included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing. Mr. Montegut currently provides construction engineering support services. (2021-Present)

LASAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA. Electrical Design - 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. Mr. Montegut provided the illumination analysis to determine the placement of decorative light poles along the pathway. He also completed the design of the construction plan set under the supervision of the signing engineer. Design task included voltage drop calculations, conduit routing, conductor sizing, and plan set development (09/19-04/24)

EMERGENCY GENERATORS AT PARISH PUMP STATIONS (BIG BELLE TERRE, CAPT. BOURGEOIS, AND NED DUHE): St. John the Baptist Parish, LA. Electrical Design – Mr. Montegut assisted with detailed electrical design for the addition of three (3) standby generators and accessories (transfer switches, etc.) to existing pump station sites in St. John the Baptist Parish. (04/18-01/23)

LADOTD, I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: West and East Baton Rouge Parishes, LA. Electrical Design: Mr. Montegut assisted with an enhancement lighting study for Segment 1 of the project to incorporate aesthetic lighting at the City Park Lake Bridge and emphasize the Greenway path from the Expressway Park to the bridge. (07/21-Present) (State Project No. H.004100)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

NICHOLAS MONTEGUT, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

LADOTD, RETAINER CONTRACT FOR ELECTRICAL SERVICES: Statewide, LA. Construction Engineering and Inspection - In July 2019, GEC was selected by LADOTD for a six-year retainer contract to provide Stage 3 (Design) and Stage 5 (Construction Support/Inspection), services. For the I-10: Crowder Blvd. Interstate Lighting, Route I-10 project in Orleans Parish (H.013442), Mr. Montegut provided construction related engineering services. (05/20-07/24)

LADOTD, I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Electrical Design - Mr. Montegut has assisted with photometric and lighting layout design for the GEC/Boh Bros team. Design tasks included construction plan set development, voltage drop and conduit fill calculations, conductor sizing, arc flash analysis, and protective device sizing.. 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. (02/20-Present) (State Project No. H.013897)

LADOTD, KANSAS LN. – GARRETT RD. CONNECTOR: Monroe, LA. Electrical Design: Mr. Montegut completed design under the supervision of the signing professional engineer. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing. (2019-Present) (State Project No. H.007300)

LADOTD, I-10, WILLIAMS BLVD. TO VETERANS BLVD.: Kenner, LA. Electrical Design: Mr. Montegut completed design work under the supervision of the signing professional engineer. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, & protective device sizing. (2018-Present) (State Project No. H.003074)

LADOTD, READ BLVD INTERSTATE LIGHTING: New Orleans, LA. Construction Engineering and Inspection: Mr. Montegut reviewed engineering shop drawings and equipment submittals from the contractor for acceptance to fabricate, install and purchase equipment for construction. Reviewed and responded to request for information (RFIs). Project limits included the I-10 / Read Blvd. Interchange. Project makeup consists of the following types of roadway lighting standards: ground mount low mast, ground mount high mast, and underpass.. (04/18-09/20) (State Project No. H.012601)

LADOTD, MORRISON ROAD INTERSTATE LIGHTING: New Orleans, LA. Construction Engineering and Inspection: Mr. Montegut reviewed engineering shop drawings and equipment submittals from the contractor for acceptance to fabricate, install and purchase equipment for construction. Reviewed and responded to request for information (RFIs). Project limits include the I-10 / Morrison Road Interchange. Project makeup consisted of the following types of roadway lighting standards: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. (04/18-06/19) (State Project No. H.012602)

LADOTD, PRIEN LAKE MAIN SPAN RE-DECK: Lake Charles, LA. Construction Engineering and Inspection: Mr. Montegut reviewed engineering shop drawings and equipment submittals from the contractor for acceptance to fabricate, install and purchase equipment for construction. Reviewed and responded to request for information (RFIs). Project limits included the I-210 Bridge over Prien Lake and the I-210 / Cove Lane Interchange. Project makeup consisted of the following types of roadway lighting standards: 12 ground mount low mast and 50 barrier mount low mast.. (10/18-06/22) (State Project No. H.010916)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

GEORGE "BOWMAN" GUTTNER, Senior Inspector

PROJECT ASSIGNMENT:

Electrical Inspector

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

17 (22 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

N/A

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

N/A

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Guttner has 22 years of experience in electrical system design and construction of low voltage systems, 8 of which he worked as a licensed electrical contractor in the state of Louisiana. He also has experience in the installation and maintenance of UPS and emergency generator backup power systems. He is the lead inspector for GEC on electrical power construction projects.

RELEVANT PROJECT EXPERIENCE

HARVEY WWTP ELECTRICAL DISTRIBUTION UPGRADE:

Jefferson Parish, LA. Electrical Inspector. Mr. Guttner assisted in the preliminary by obtaining field data, motor nameplates, MCC & panelboard layouts, conduit and cable routing, etc. During the design stage, Mr. Guttner was involved with utility coordination, soliciting vendor information, and installation details. GEC has completed the design phase. Mr. Guttner is expected to perform site assessment during the upcoming construction phase. (10/20 - Present)

EMERGENCY GENERATORS AT PARISH PUMP STATIONS (BIG BELLE TERRE, CAPT. BOURGEOIS, AND NED DUHE):

St. John the Baptist Parish, LA. Inspector-HMGP-funded project to install generators at three sewer lift station locations. Mr. Guttner designed the preliminary site layouts, field-verifying existing equipment ratings

and locations, and coordinating with vendors. On-site inspection performed. (04/18-01/23)

READ BLVD INTERSTATE LIGHTING:

New Orleans, LA. Inspector - Project limits included the I-10 / Read Blvd. Interchange. Mr. Guttner assisted in the development of lighting layout sheets, FAA permit applications, existing utility locates & coordination, and plan review process. During Construction, Mr. Guttner was an inspector for the project which consisted of: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. In addition, lighting control, power distribution, and system protection was included. (01/17-11/17 (Design)) (04/18 – 06/21) (Construction)) (State Project No. 44-2746, T.O. H.012601.5)

LADOTD, MORRISON ROAD INTERSTATE LIGHTING:

New Orleans, LA. Inspector – Project limits include the I-10 / Morrison Road Interchange. Project makeup consists of: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. GEC provided design services only under this contract. In addition, lighting control and power distribution and system protection was included. (04/18-06/19) (State Project No. H.012602.6)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

JIMMY WHEELER, Senior ITS Inspector

PROJECT ASSIGNMENT:

Electrical Inspector

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

17 (30 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

N/A

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

N/A

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Wheeler has a wealth of electrical and ITS construction and implementation knowledge. He is the lead inspector for GEC on electrical, ITS, and associated construction projects. In addition, Mr. Wheeler has experience with construction installation and operation including equipment maintenance, heavy equipment operation, installation of dynamic message signs and CCTV cameras with structures in both Louisiana and Texas, installation of bridge mounted conduit and junction boxes and underground conduit and pullboxes, installation of high mast lighting and roadway illumination, installation of electrical service points, installation of guard rail, installation of communication hub buildings, installation of fiber optic cable and splicing, traffic signal build out and commissioning, and setup and execution of lane closures.

RELEVANT PROJECT EXPERIENCE

CCC DECORATIVE LIGHTING CE&I: Orleans Parish, LA. Lead Electrical Inspector - Mr. Wheeler ensures contractors build the project according to plans; ensuring contractors use correct materials according to submittals; documenting and completing daily work reports for LADOTD; ensuring that all traffic control advance signs and barricades are in place twice daily; attending weekly meeting and informing contractor of any deficiencies; ensuring all workers on the bridges are following safety

procedures; and, soil and concrete testing, creating sample IDs, and bringing to LADOTD lab. (03/24-Present) (S.P. 44-28466)

I-10, LA 328 TO I-49 JUCT.: Lafayette and St. Martin Parish, LA – Electrical Inspector: Mr. Wheeler's primary duties included inspection of all low and high mast lighting, along with the complete rebuild of both east and westbound weigh stations weigh-in-motion system. (10/18 – 07/22) (LADOTD RetainerNo. 44-04729; H.003003)

I-10/LOYOLA INTERCHANGE IMPROVEMENTS OV: Jefferson Parish, LA. Electrical Inspector: Mr. Wheeler performed inspection of all roadway lighting installation and new traffic signals for Loyola including Louisiana's first DDI Intersection. He also provided full inspection of sound walls and class 2&3 finish on new ramps. (04/20-06/24) (S.P. No. H.011670)

BATON ROUGE ITS DEPLOYMENT PHASE 3: Statewide, LA. Electrical Inspector: Mr. Wheeler was responsible for electrical inspection and reporting for this project. CE&I for five (5) new DMS sites, ten (10) new CCTV sites, one (1) new hub site, thirty (30) Bluetooth Vehicle Detectors (combined with new and existing sites) and five (5) miles of new fiber optic build-out, conduit, and associated pullboxes. (10/14-01/17) (S.P. H.006831)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

MANY HEYMANN, PE, Vice President of Operations

PROJECT ASSIGNMENT:

Civil Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

1 (21 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2002 / Chemical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2010 / Licensed Professional Civil Engineer No. 35554

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Heymann has been responsible for the design and oversight of water distribution projects, roadway projects, drainage projects, sewer system projects, and construction projects. His experience includes the development of cost estimates, quantity calculations, drainage design, geometric design, erosion control, maintenance-of-traffic, grading plans, preparation of construction documents, and construction management.

RELEVANT PROJECT EXPERIENCE

H.010673 / US90Z, HARVEY CANAL TUNNEL REHABILITATION: Jefferson Parish, Louisiana. Project Engineer - Mr. Heymann oversees engineering and inspection services (CE&I) staff for the Harvey Canal Tunnel Rehabilitation Project. (06/23-Present)

BOURBON STREET REHABILITATION (PHASES 1 AND 2), CITY OF NEW ORLEANS: New Orleans, LA. Project Director - Mr. Heymann provided design services and oversight for the repair and rehabilitation of eight (8) blocks of Bourbon Street including underground infrastructure from Canal Street to Dumaine St. Scope of work included coordinating and sequencing construction after engaging the City of New Orleans, Department of Public Works, Sewerage and Water Board of New Orleans, Entergy, AT&T and Cox. Because many of the existing utilities are

well over 100 years old, the work for this project included upsizing the existing storm water collection system, replacing the existing water lines, repairing the existing sewer lines, replacing, and improving the existing low-pressure gas lines, replacing the existing underground electrical conduits, and replacing the existing roadway pavement, brick sidewalks and granite curbs. (2017-2021)

DESIGN AND CONSTRUCTION OF DRAINAGE IMPROVEMENTS TO THE BONNABEL CANAL: Jefferson Parish, LA. Project Engineer – Mr. Heymann provided engineering support services on the project, which includes the construction of concrete box culverts/ concrete flume, design of two off-system bridge replacements, roadway replacement, and miscellaneous public utilities (water and sewer) from the south end of Veterans Blvd. to West Esplanade Ave. Additional project elements include surveying, geotechnical, electrical (street lighting), preparation of right-of-way plans (as required), and traffic engineering related services. The box culvert is within a tight drainage servitude across various private utility and State R/Ws. The conveyances is approx. 1 mile. Services include structural analysis according to the Off System Bridge program administered by LADOTD and inspection in accordance with LADOTD and FHWA. Design performed in accordance with LADOTD including scour analysis.



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 1

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

**AMES BLVD
DECORATIVE
STREET LIGHTING
IMPROVEMENTS**

Jefferson Parish, Louisiana

*Client: Jefferson Parish
Government, Mitchell
Theriot, 504-736-6820*

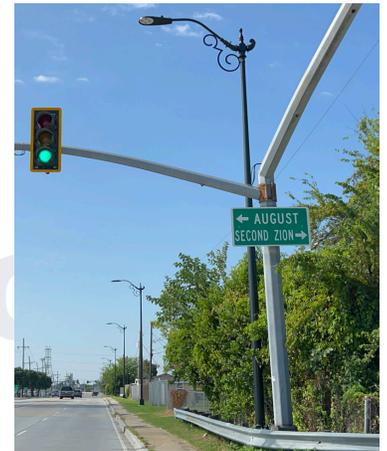
GEC provided professional engineering services for the design and preparation of detailed bid documents including plans and specifications for the improvements of roadway lighting on Ames Blvd. from Lapalco Blvd to Westbank Expressway. GEC provided bidding and construction related engineering services throughout the construction of this project. GEC was pivotal in every step of this project from the early pre-design/preliminary phases to the closeout of construction.

GEC's scope of work for the **lighting design included the placement of new decorative light poles and LED roadway luminaires on a 1.3-mile portion of Ames Blvd in Jefferson Parish.** The purpose is to install new decorative light poles and luminaires for a more aesthetically pleasing roadway lighting system than the existing lighting system, which utilized wooden utility poles. The electrical design of the lighting system included voltage drop and conduit fill calculations, conductor sizing, and photometric analysis. GEC worked closely with Jefferson Parish personnel to ensure all Parish requests and standards for decorative roadway lighting were satisfied. In addition to

the electrical design, GEC provided construction cost estimates and contract documents for bidding purposes. During the bidding phase, GEC assisted Jefferson Parish in obtaining bids, analysis of bids received, and rendered assistance in the award of the contract.

GEC was heavily involved during the construction phase of this project. Construction engineering services included the review of shop drawings and equipment submittals from the contractor for acceptance to fabricate, install and purchase equipment for construction, and review and respond to Requests for Information (RFIs). GEC also completed periodic field inspections with the contractor. GEC reviewed contract pay quantities and verified and approved contractor's pay estimates.

During construction, this complex project presented multiple hurdles the contractor and GEC had to work through. The project area consists of crowded underground utilities in a neighborhood setting that posed challenging obstacles to overcome to successfully install the lighting system. GEC and Jefferson Parish also coordinated with council members and Ames Blvd. residents to determine pole locations with minimal effects to the residents on Ames Blvd.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

Ongoing

\$ 741,000 (Est. Construction)

\$ 59,250 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 2

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

HARVEY WWTP – SWITCHGEAR
Jefferson Parish, Louisiana

Client: Digital Engineering & Imaging, Inc., Tim Smith, 504-468-6129

The Harvey Waste Water Treatment Plant (WWTP) is located in Jefferson Parish near the intersection of Paillet Avenue and Joseph Street. Operations personnel have identified existing deteriorating electrical power distribution equipment as near to end of design life as evidenced by date of manufacture, signs of rust, and service fatigue that are approaching the state of not being maintainable due to manufacturer discontinuance of superseded equipment models. GEC is designing the replacement of end of service life electrical power distribution equipment, encompassing replacing the WWTP 15 kV (13.8 kV) Main Substation at the West Plant, (2) 480 V Distribution Substations at the West Plant, (1) 480 V Distribution Substation at the East Plant, and the RAS/WAS building flood damaged 480 V Motor Control Center (MCC) equipment at the West Plant. GEC's design will sequence the power distribution cut-overs to the replacement electrical distribution equipment to avoid major plant unit outages and maintain continuity of service for WWTP operations. GEC's engineering and design services included preliminary and detailed design project phases. The project is currently in the construction bid phase.

GEC's scope of work consists of **providing the major electrical power distribution equipment replacement**, existing 13.8 kV Entergy service line relocation and new 480 V Entergy service. The new 15 kV (13.8 kV) elevated Outdoor Primary Substation scope for the West Plant includes (1) 15 kV M-T-M Service Switchgear Line-up, Entergy 13.8 kV Service "B" relocation, and (2) 2500 kVA 13.8 kV-4.16 kV Effluent Substation Power Transformers. The new 480 V elevated Consolidated Outdoor Secondary Substation scope for the West Plant includes (2) 2500 kVA 13.8 kV-480 V Substation Power Transformers, and (1) 480 V M-T-T-M Switchgear. The new 480 V elevated RAS/WAS MCC-5/5X West Plant building includes (1) 480 V MCC-5A/5B Line-up and (3) 480 V VFD units mounted in a new MCC-5X Line-up. The new Entergy 480 V service drop at the East Plant will re-feed the Sludge Dewatering building MCC.

GEC's design routes new electric power distribution from the Entergy service drops to supply plant unit plot areas through the new substation equipment WWTP unit area 480 V MCC line-up feeders (14 West Plant MCCs & 1 East Plant MCC total) via cable tray and underground duct bank. Design staff employed the use of underground duct bank raceways to maintain existing WWTP equipment maintenance accessibility.

The electrical power distribution equipment cut-overs will utilize the existing switchgear and MCC line-up secondary selective Main-Tie-Main (M-T-M) configurations to facilitate for transferring of WWTP unit area electrical loads from the existing electrical power distribution equipment to the new electrical power distribution equipment.

COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

Ongoing

\$ 6,300,000

\$ 294,355.65 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 3

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

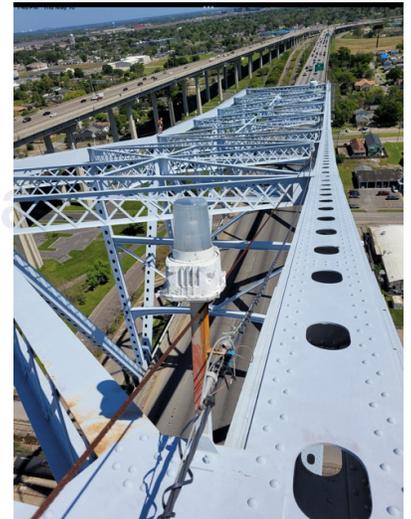
CRESCENT CITY CONNECTION (CCC) DECORATIVE LIGHTING CE&I
Orleans Parish, Louisiana

Client: LADOTD, 1201 Capitol Access Rd, Baton Rouge, LA

GEC is providing construction contract administration and Construction Engineering and Inspection (CE&I) services for the Crescent City Connection (CCC) Decorative Lighting Replacement. This project consists of **replacement of the decorative lighting** on the Crescent City Connection Bridge in Orleans Parish. GEC services are being performed in accordance with DOTD's Standards and Procedures.

GEC inspection staff ensures contractors build the project according to plan using the correct materials according to submittals and following all safety procedures. Staff documents and completes daily work reports for LADOTD. In addition, staff attend weekly scheduled meetings and inform the contractor of any deficiencies. GEC is also responsible for soil and concrete testing, creating sample IDs, and delivering to LADOTD lab.

Mock up tests were performed to ensure lights do not interfere with ships navigating the River. Coast Guard officials were present for the test, along with key LADOTD and City of New Orleans personnel.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

Ongoing

Unknown

\$ 1,119,000 (GEC fee)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 4

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

**US 61 ROADWAY LIGHTING,
DAVID DRIVE TO
TRANSCONTINENTAL**
Jefferson Parish, Louisiana

*Client: Jefferson Parish
Government, Mark
Drewes, 504-736-6500*

GEC provided professional engineering services as required for the design and preparation of detailed bid documents (plans and technical specifications) for the **improvements of roadway lighting** on US-61 (Airline Highway) from David Drive to Transcontinental Drive.

GEC's lighting design was based on decorative poles and LED roadway luminaires consistent with adjacent lighting along US-61 and included approximately 80 lights. GEC staff members designed plans and specifications including electrical design of lighting systems, voltage drop and conduit fill calculations, photometric calculation and analysis, coordination with Parish standards for decorative roadway lighting and inventory, and engineering opinion of construction cost. This route is within the LADOTD right-of-way, requiring the fulfillment of the LADOTD Lighting and Utility Permit Requirements.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2018

\$ 1,182,000 (Estimated)

\$ 87,000 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 5

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

DECORATIVE ROADWAY LIGHTING

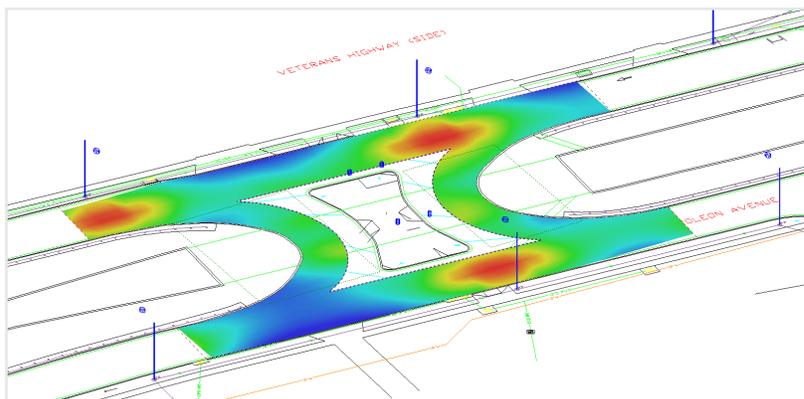
Jefferson Parish, Louisiana

Client: Jefferson Parish Government, Peggy McMurray, 504-736-6941

As a pre-qualified consultant for **Electrical Services with Jefferson Parish**, GEC performed a number of Roadway Lighting projects.

GEC's electrical staff designed decorative (LED) roadway luminaires on 1.3 miles of West Esplanade between Power Boulevard and St. Martin Street, 2 miles of West Napoleon between Michigan Ave and Kent Ave. and 1 mile of US-61 (Airline Highway) in Jefferson Parish, LA. Approximately 65 lights were used to illuminate the intersection at Power Boulevard and West Esplanade, five U-turns on West Esplanade, and seven U-turns on West Napoleon.

GEC's design provides enhanced safety for pedestrians and vehicular traffic with uniform light levels in the transition from travel lanes to turn and U-turn lanes while maintaining an aesthetically pleasing appearance.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2015

Unknown

\$ 135,000 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 6

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

RETAINER CONTRACT FOR ELECTRICAL SERVICES

Statewide, Louisiana

Client: LADOTD, Agnes Fung, PE, PMP, 1201 Capital Access Road, Baton Rouge, LA 70804, (225) 379-1352, Agnes.fung@la.gov

In July 2019, GEC was selected by LADOTD for a six year retainer contract to provide Stage 3 (Design) and Stage 5 (Construction Support/Inspection), services.

GEC's **design services** included preparation of construction plans, specifications and special provisions, feasibility studies, construction cost estimates, photometric analysis of new and existing systems, and engineering calculations (including structural and arc flash analysis).

GEC also provided construction related engineering services for existing and proposed roadway lighting projects including shop drawing and submittal reviews. Finally, GEC performed other electrical design and construction services as requested by LADOTD.

Task orders included:

- H.013442, I-10: Crowder Blvd. Interstate Lighting, Route I-10, Orleans Parish
- H.013617.5, I-10: I-610 E Interchange Lighting, Route I-10, Orleans Parish
- H.014552.5, I-49: LA 31 Interchange Lighting (Opelousas)
- H.014553.5, I-49: LA 3233 Interchange Lighting (Opelousas)
- H.012469.5, US 190: BRB-Navigation Light Replacement
- H.014556.5, I-49: US 190 Interchange Lighting (Opelousas)
- H.014557.5, I-49: Judge Walsh Drive Interchange Lighting (Opelousas)

COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2024

Varied

\$ 1,100,000 (Est. GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 7

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

RETAINER CONTRACT FOR ELECTRICAL SERVICES

Statewide, Louisiana

Client: LADOTD, Agnes Fung, PE, PMP, 1201 Capital Access Road, Baton Rouge, LA 70804, (225) 379-1352, Agnes.fung@la.gov

GEC was selected by LADOTD for a six-year retainer contract to provide Stage 3 (design – Part I, III, and IV) and Stage 5 (construction – Part I and II), services. Design services included preparation of construction plans, specifications and special provisions, feasibility studies, construction cost estimates, photometric analysis of new and existing systems, and engineering calculations (including structural and arc flash analysis). GEC also provided construction related engineering services for existing and proposed roadway lighting projects including shop drawing and submittal reviews. In addition, the scope of work included the performance of independent reviews on **lighting and enhancement projects** (designed by others) and for permit review as submitted by the DOTD Project Manager. Finally, GEC performed other **electrical design and construction services** as requested by LADOTD.

For this contract, GEC was prime with one sub-consultant for survey tasks. This retainer contract included two pilot projects to install the first two LADOTD interstate lighting systems using LED high mast and LED low mast roadway lighting. Various lighting was included on these contracts including high mast, low mast, underpass, navigation, and aviation. A total of 21 task orders were executed; selected projects included:

- H.010440, I-210 Over Calcasieu River West of I-10 Interstate Lighting, Lake Charles, LA.
- H.003452/H.000687, I-12 @ Northshore Blvd. Interchange Lighting/ US-11 Interchange Lighting – Slidell, LA
- H.010916, Prien Lake Main Span Re-Dec, Lake Charles, LA
- H.012469, US 190: Miss River Br – Navigation Light Replacement, Baton Rouge, LA
- H.012601.5/H.012602.5, LADOTD, Read Blvd Interstate Lighting/ Morrison Road Interstate Lighting, New Orleans, LA
- H.000687, I-12 @ US-11 Interchange Lighting – Slidell, LA.
- H.010720, I-12 @ LA 1088 Interchange Lighting – Slidell, LA.
- H.009185, LADOTD, I-12 Northshore/Airport Rd. - US 11, Slidell, LA.
- H.003451, LADOTD, LA 434 Interchange Lighting (Lacombe), Slidell, LA.
- H.012602.5, LADOTD, Morrison Road Interstate Lighting, New Orleans, LA.

As part of this retainer contract, GEC regularly coordinated with multiple local, state, and federal agencies and entities. These included: Federal Aviation Administration, United States Coast Guard, Amtrak and Kansas City Southern railroads, New Orleans Parks and Parkways, LADOTD Electrical, Road, and Bridge Design, various electrical contractors and other design consultants.

COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2018

\$ 49,000,000 (Estimated)

\$ 5,000,000 (Est. GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 8

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

**I-10 WIDENING,
WILLIAMS BLVD. TO
VETERANS BLVD.**
Jefferson Parish, Louisiana

Client: LADOTD, Timothy Nickel, 225-379-1110

GEC is currently designing the widening of I-10 between Williams Boulevard and Veterans Boulevard interchanges in Jefferson Parish, including design of new bridges. Final design plans are over 90% complete. The total project length is 2.58 miles and consists of the construction of one 12' additional lane with a 10' shoulder inside along the I-10 eastbound and westbound roadways. Included in the project is the replacement and widening of the bridges over Canal No. 3 and Veterans Blvd. Sound Barriers, both ground-mounted and structure-mounted on the north side of I-10, form part of this project.

GEC's lighting design department has been tasked with performing lighting design on the interchanges within the project limits - namely, Williams Blvd., Power Blvd., and Veterans Blvd. The lighting design included photometric analyses of the existing lighting system with the proposed roadway geometry and analyzes the design issues found during GEC's review.

The bridges over Canal No. 3 and Veterans Blvd. will be replaced with a combination of concrete slab spans, PPC girder spans, and steel plate girder spans. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design.

The new GEC-designed bridges over Canal No. 3 and Veterans Blvd. will be constructed in 3 phases to maintain 3 lanes of traffic on I-10 in each direction at all times.

GEC performed an initial extensive load rating of the existing bridges on this stretch of I-10, resulting in LADOTD making an informed decision to replace the bridges. GEC submitted 90% plans for the replacement bridges and ramps for this highly congested 2.58 mile urban interstate project and completed a detailed as-designed bridge rating for this project in accordance with Bridge Design Technical Memorandum 40.1.

In addition, GEC's structural staff is replacing the existing cantilever truss with a full truss and relocating the existing sign.

COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

Ongoing

\$ 105,000,000 (Estimated)

\$ 5,088,789 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 9

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12
Baton Rouge, Louisiana

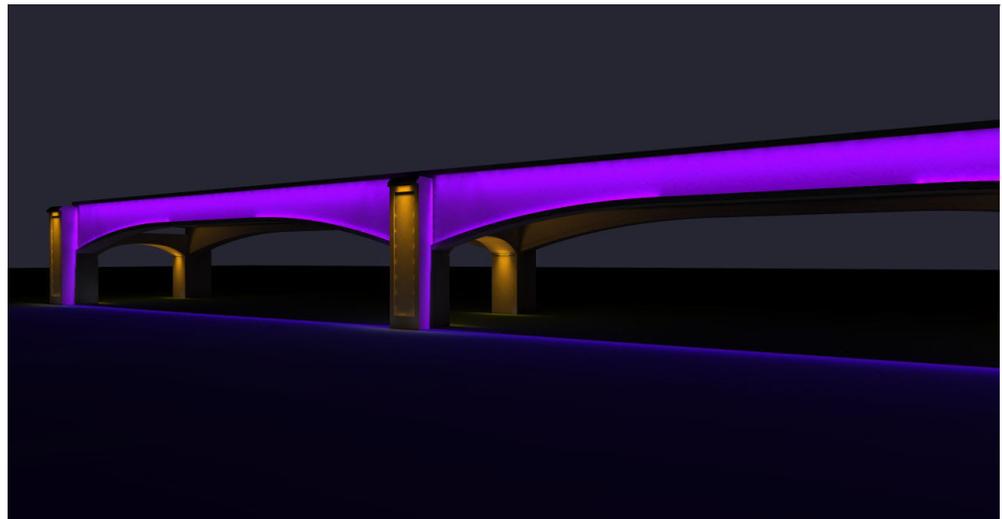
Client: LADOTD, Nicholas Olivier, 225-379-1133

NATURE OF FIRM'S RESPONSIBILITY:

GEC is providing project management, document control, engineering, and related design services to develop construction plans for the Construction Management at Risk (CMAR) project for improvements to the I-10 Westbound and East Bound, cross streets, service roads, and on/off ramps throughout East Baton Rouge Parish.

GEC is providing the **lighting design for the multi-use greenway path** running underneath I-10 and the lighting for four (4) new roundabouts. Finally, GEC is responsible for the enhancement lighting design involving color changing lights. Locations for these lights will be at each cross street following I-10 and the City Park Lake Bridge. The task for this project requires multi-disciplinary knowledge and designing around other fields such as drainage, bridge structures, soundwalls, and retaining walls, as well as having the ability to satisfy the requirements proposed by the landscape architects.

GEC staff is actively engaged in numerous ongoing task force meetings, working collaboratively with other design team members and the contractor. Participating in the LADOTD Task Force Meeting, Biweekly Coordinating meetings and as well as coordinating with appropriate team members outside of established weekly meetings. Additionally, GEC coordinates with vendors to improve design, estimate cost of construction and develop renderings of what the design will ultimately appear once construction is completed.



COMPLETION DATE (ACTUAL OR ESTIMATED):

Ongoing

ESTIMATED COST:

ENTIRE PROJECT:

Unknown

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 3,200,000 (Est. GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PROJECT NO. 10

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

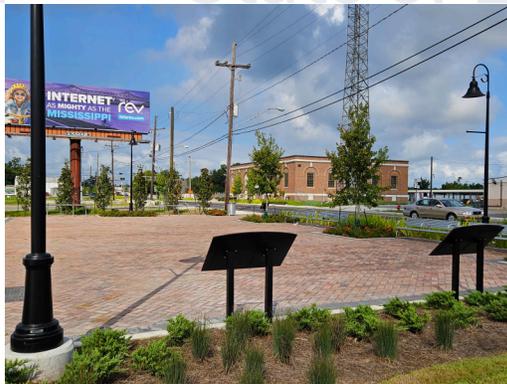
LASAFE AIRLINE AND MAIN COMPLETE STREETS

Laplace, Louisiana

Client: St. John the Baptist Parish, Rene Pastorek, 985-651-5565

GEC provided all necessary engineering design for the Airline and Main Complete Streets project, a resilient infrastructure and community nonstructural mitigation/flood risk reduction project in LaPlace. The scope of services ranged from civil engineering design, environmental engineering, traffic engineering, topographic survey in accordance with LADOTD standards, SUE, geotechnical investigation, wetland delineation, permitting, water and sanitary sewer relocation, and landscaping services (green infrastructure component along the drainage ditches), along with bidding, construction administration, and resident inspection services. Funding for this project was secured through the National Disaster Resilience Competition (NDRC), sponsored by the U.S. Department of Housing and Urban Development (HUD) for LASAFE – Louisiana’s Strategic Adaptations for Future Environments.

GEC developed typical sections and preliminary layout, including sidewalks, parallel parking utilizing decorative brick and permeable base, and drainage. GEC’s electrical engineering staff performed the **design and illumination of the shared use path** along Airline Highway that connects to Main St. (LA 44) and accommodates pedestrians and bicyclists. This included **additional illumination design for the park** which contains educational components related to LASAFE strategies incorporated into the design. This project included a Level 2 Transportation Management Plan (TMP). GEC engineers calculated preliminary quantities and developed a preliminary estimated construction cost. GEC also provided construction engineering and inspection for the project which was constructed in 2024.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2024

\$ 4,800,000 (Estimated)

\$ 1,160,000 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

M. LIST ALL PRIOR AND/OR ON-GOING LITIGATION BETWEEN FIRM AND JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.

PARTIES:		STATUS/RESULT OF CASE:
PLAINTIFF:	DEFENDANT:	
1. N/A		
2.		
3.		
4.		

N. USE THIS SPACE TO PROVIDE ANY ADDITIONAL INFORMATION OR DESCRIPTION OF RESOURCES SUPPORTING FIRM'S QUALIFICATIONS FOR THE PROPOSED PROJECT.

Electrical Engineering Services for Street Lighting Projects

STATEMENT OF QUALIFICATIONS

G.E.C., Inc. (GEC) appreciates the opportunity to offer Jefferson Parish a highly capable and experienced professional team to provide electrical engineering services for miscellaneous street lighting projects and other electrical related work throughout Jefferson Parish.

Since 1986, GEC has grown into a firm offering project management and comprehensive, multidisciplinary project planning, design, and implementation services for public and private clients nationwide. The diverse resources of the company include project management, design and construction engineering, economic analysis, environmental & ecological sciences, and GIS applications. We are committed to providing engineering services to the Parish on time and within budget to effectively accomplish the goals of this project. Our staff includes licensed professional engineers with national prominence to provide professional engineering services. GEC supports municipalities and local governments in the planning, design, and rehabilitation of infrastructure and other public facilities systems vital to enhance the quality of life of residents of Jefferson Parish.

We have thoroughly reviewed the solicitation and feel confident GEC has the broad experience and full array of personnel necessary to complete all services described in the Request for Qualifications.

FIRM OVERVIEW

GEC has maintained an office in Jefferson Parish on Causeway Blvd. in Metairie since 2008.

Through the acquisition of Krebs, LaSalle, LeMieux Consultants, Inc. (KLL) in 2011, GEC has had a presence in Jefferson Parish since 1967.

Established in 1986 in Baton Rouge, GEC has offices in Louisiana and California with over 130 employees providing civil, electrical, construction, environmental, and coastal engineering, planning, inspection, and more.

O. TO THE BEST OF MY KNOWLEDGE, THE FOREGOING IS AN ACCURATE STATEMENT OF FACTS.

SIGNATURE:  PRINT NAME: Sherri LeBas, PE

TITLE: Executive Vice President DATE: September 6, 2024

Minimum Requirements for Selection

ROUTINE ENGINEERING SERVICES

GEC has the local, state and regional experience to meet the needs of the Parish for task orders arising from this as-needed contract. Our firm meets all minimum requirements for selection as demonstrated by our numbered responses below.

THE PERSON OR FIRM SUBMITTING A STATEMENT OF QUALIFICATIONS SHALL HAVE THE FOLLOWING MINIMUM QUALIFICATIONS:

1. ONE (1) PRINCIPAL WHO IS A LICENSED, REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF LOUISIANA

Sherri LeBas joined GEC after 30.5 years in state service in Louisiana. Her work experience includes the Louisiana Department of Transportation and Development (LADOTD) as well as the Louisiana State Division of Administration, Facility Planning and Control. Ms. LeBas spent the last 6 years of her state career as Secretary of LADOTD from 2010 to 2016 and understands the components of the successful delivery of projects including the management of the preconstruction phases and identification of funding sources and timing of the cash flow required. Currently, Ms. LeBas is Assistant Project Manager for the I-10 Widening CMAR Project in Baton Rouge. She is a licensed Civil and Environmental Professional Engineer in Louisiana.

2. A PROFESSIONAL IN CHARGE OF THE PROJECT WHO IS A PROFESSIONAL ELECTRICAL ENGINEER WHO SHALL BE REGISTERED AS SUCH IN LOUISIANA WITH A MINIMUM OF FIVE (5) YEARS' EXPERIENCE IN THE DISCIPLINES INVOLVED

Mickey Prattini's more than 20 years of electrical design experience includes lighting design and quality control, wastewater treatment facilities and lift stations, multiple pump motor installations in hazardous (classified) locations, generator installation projects, and multiple government (municipal and transportation) projects. Mr. Prattini is experienced with NFPA standards required by electrical projects and is capable of completing the design and project management related tasks required for this project. He has consistently managed client and stakeholder relations along with design challenges to produce quality deliverables in line with the project's delivery schedule.

3. ONE EMPLOYEE WHO IS A PROFESSIONAL ENGINEER REGISTERED AS SUCH IN LOUISIANA IN THE FIELD OR FIELDS OF EXPERTISE REQUIRED FOR THE PROJECT

STAFF NAME	YEARS OF EXPERIENCE	LICENSE NO. (DISCIPLINE)
Mickey Prattini Jr., PE	20	LA PE No. 35993 (Electrical)
Sherri LeBas, PE	39	LA PE No. 23844 (Civil/Environmental)
Cary Bourgeois, PE	39	LA PE No. 23414 (Civil)
Michael Chiasson, PE	45	LA PE No. 17978 (Electrical)
Tom Coerver Jr., PE	38	LA PE No. 30722 (Electrical)
John Amador, PE	24	LA PE No. 29007 (Electrical)
Luis Diaz, PE	4	LA PE No. 48985 (Electrical)
Dang Nguyen, EI	1	LA EI No. 35418
Many Heymann, PE	21	LA PE No. 35554 (Civil)

Professional Qualifications

PROFESSIONAL ELECTRICAL ENGINEERING SERVICES FOR MISCELLANEOUS STREET LIGHTING PROJECTS AND OTHER ELECTRICAL RELATED WORK THROUGHOUT JEFFERSON PARISH

EVALUATION CRITERIA

1) PROFESSIONAL TRAINING AND EXPERIENCE IN RELATION TO THE TYPE OF WORK REQUIRED FOR ELECTRICAL ENGINEERING SERVICES - 35 POINTS

GEC’s electrical engineers have the knowledge and extensive experience with the design and implementation of a wide array of roadway lighting systems, electrical distribution systems, emergency power systems, control systems, fuel storage, conditioning and distribution systems, drainage and wastewater pumping stations, and flood control systems. They have designed and implemented these systems for both state and local governments. Our electrical engineering staff has in-depth understanding of national and local codes, industry standards, and best practices. Their varied expertise is adapted and applied to each project, resulting in optimal design and implementation. This equips GEC to provide the range of services required to accomplish any project to satisfy the needs of the Parish.

GEC has proven capability in design, construction, and commissioning of field devices for ITS including CCTV cameras, dynamic message signs, dynamic speed limit signs, vehicle detection, communication hub sites, control software, and fiber optic, copper, and wireless communications systems.

ELECTRICAL PROJECTS






Mickey Prattini JR., PE
Professional-in-Charge



Sherri Lebas, PE
Principal-in-Charge



Cary Bourgeois, PE
QA/QC



Michael Chiasson, PE
Electrical Engineer



Tom Coerver JR., PE
Electrical Engineer



John Amador, PE
Electrical Engineer



Luis Diaz, PE
Electrical Engineer



Dang Nguyen, EI
Electrical Engineer Intern



Nicholas Montegut
Electrical Designer



Bowman Guttner
Electrical Inspector



Jimmy Wheeler
Electrical Inspector



Many Heymann, PE
Civil Engineer

EVALUATION CRITERIA

2) SIZE OF FIRM, CONSIDERING THE NUMBER OF PROFESSIONAL AND SUPPORT PERSONNEL REQUIRED TO PERFORM ELECTRICAL ENGINEERING TASKS, INCLUDING PROJECT EVALUATION, PROJECT DESIGN, DRAFTING OF TECHNICAL PLANS, DEVELOPMENT OF TECHNICAL SPECIFICATIONS, AND CONSTRUCTION ADMINISTRATION.— 10 POINTS.

GEC currently has ample staff available to work either full or part time on this project assigned by Jefferson Parish, from our Metairie office on Causeway Blvd. As shown in Section E of this proposal, our staff of over 100 includes professionals and support personnel. Many have advanced degrees with over 25 years of experience with design throughout Louisiana.

3) CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK, CONSIDERING THE FACTORS OF CURRENT UNFINISHED WORKLOAD, AND PERSON OR FIRM'S AVAILABLE PROFESSIONAL AND SUPPORT PERSONNEL - 20 POINTS

For over 38 years, GEC has had an exemplary reputation for on-schedule work. Our large staff of professionals (both here and elsewhere in the region) gives us the flexibility needed to meet challenging deadlines. In selecting GEC, Jefferson Parish opts for a firm with a proven record of delivering projects on schedule. Current Jefferson Parish projects, Harvey WWTP Switchgear is in the bidding phase and Ames Blvd Decorative Street Lighting Improvements is under construction. GEC has ample resources in our electrical department to start new projects as assigned by the Parish under this retainer.

GEC consistently completes project tasks in a time commensurate with a task's complexity. As part of the Louisiana TIMED Management (LTM) Joint Venture, GEC was a key contributor in accelerating the turnkey delivery of more than 260 miles of new highway construction from a 30-year schedule to 10 years, and then further accelerating the 10-year schedule to 8 years. Our staff utilizes various methods to manage multiple large projects simultaneously and meet deadlines under an aggressive schedule. Some of the various ways we perform this task include using a team approach, coordinating tasks between offices, relying on our knowledge of Local, State and Federal Regulations, employing staff that is proficient in multiple fields and following a company-wide a Quality Control/Quality Assurance plan.

EVALUATION CRITERIA

4) PAST PERFORMANCE BY PERSON OR FIRM ON PARISH CONTRACTS - 10 POINTS

GEC has managed hundreds of projects for Jefferson Parish with an excellent track record of previous work with the Parish. Our staff maintains valued working relationships with Parish staff, affording us the opportunity to provide ongoing services to the Parish.

NOTABLE ELECTRICAL PROJECTS

- Airline Highway Lighting
- I-10 Widening: Williams to Veterans Lighting (DOTD)
- Loyola Westbound I-10 Off-Ramp Lighting revisions
- Modifications to F6-13 (Cleary & W Napoleon) Lift Station Improvements and New Effluent Force Main
- Elmwood Canal Lighting Improvements
- Decorative Roadway Lighting
- 13th and Farrington Lift Station Improvements

5) LOCATION OF THE PRINCIPAL OFFICE - 15 POINTS

GEC has maintained a permanent office in Jefferson Parish since 2008. We are located at 3501 N. Causeway Blvd. in Metairie, Louisiana, allowing us access to all of Jefferson Parish. Any staff utilized outside of our Metairie office will coordinate directly with Metairie staff as has been done on several previous projects.

GEC's network infrastructure incorporates a decentralized wide area network spanning multiple offices and support for employees telecommuting or working in remote locations. All sites are interconnected using secured tunnels that are encrypted and deploy the most current technologies for deep packet inspection methods which scan and filter malicious packets.

All network nodes are monitored and can be accessed remotely to provide end user support when necessary. The integrity of the network is secured against the latest threats including malware and ransomware utilizing a multi-layered security strategy alongside multi-backup and off-site storage for critical data and applications. This ensures no delay in communication between office locations so that all employees can coordinate seamlessly on projects.

6) ADVERSARIAL LEGAL PROCEEDINGS BETWEEN THE PARISH AND THE PERSON OR FIRM PERFORMING PROFESSIONAL SERVICES - 15 POINTS

There are no current nor any prior adversarial legal proceedings between Jefferson Parish and GEC. In addition, GEC has never had a claim against it by Jefferson Parish or any other client for unsatisfactory work. GEC has never been disqualified or disbarred by any public agency from public contracts. There are neither past nor pending litigation or claims that would affect GEC's performance of this contract.

EVALUATION CRITERIA

7) PRIOR SUCCESSFUL COMPLETION OF PROJECTS REQUIRING ELECTRICAL ENGINEERING SERVICES FOR WHICH FIRM HAS PROVIDED VERIFIABLE REFERENCES - 15 POINTS

GEC has an excellent record of performance of engineering services contracts for various State, Local and Federal agencies. Our performances have produced professional consulting services on time and within budget without delays or controversy. We maintain an excellent reputation, and have performed similar work for Jefferson Parish in addition to many local agencies. We encourage the selection committee to contact references for all projects listed in Section L.

For Jefferson Parish, GEC designed decorative (LED) roadway luminaires on 1.3 miles of West Esplanade between Power Boulevard and St. Martin Street and 2 miles of West Napoleon between Michigan Ave. and Kent Avenue. Approximately 65 lights were used to illuminate the intersection at Power Boulevard and West Esplanade, five U-turns on West Esplanade, and seven U-turns on West Napoleon. GEC's design provides enhanced safety for pedestrians and vehicular traffic with uniform light levels in the transition from West Napoleon travel lanes to turn lanes while maintaining an aesthetically pleasing appearance.

We appreciate the Selection Committee's review of our extensive qualifications and look forward to the opportunity to work with Jefferson Parish on this contract.

“

[GEC] demonstrated excellent understanding of NEC, interstate lighting standards, and construction sequencing. Excellent quality of plans and deliverables. Met all deadlines even with compressed schedule and unexpected coordination with road and bridge projects.”

Richard Foster, LADOTD

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name: Public Address:

G.E.C., Inc. 8282 Goodwood Boulevard
Baton Rouge, Louisiana 70806

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001917	Active	11/15/1994	03/31/2025	Mr. Many Marshall Heymann # PE.0035554 ; Mr. Cary Allen Bourgeois # PE.0023414