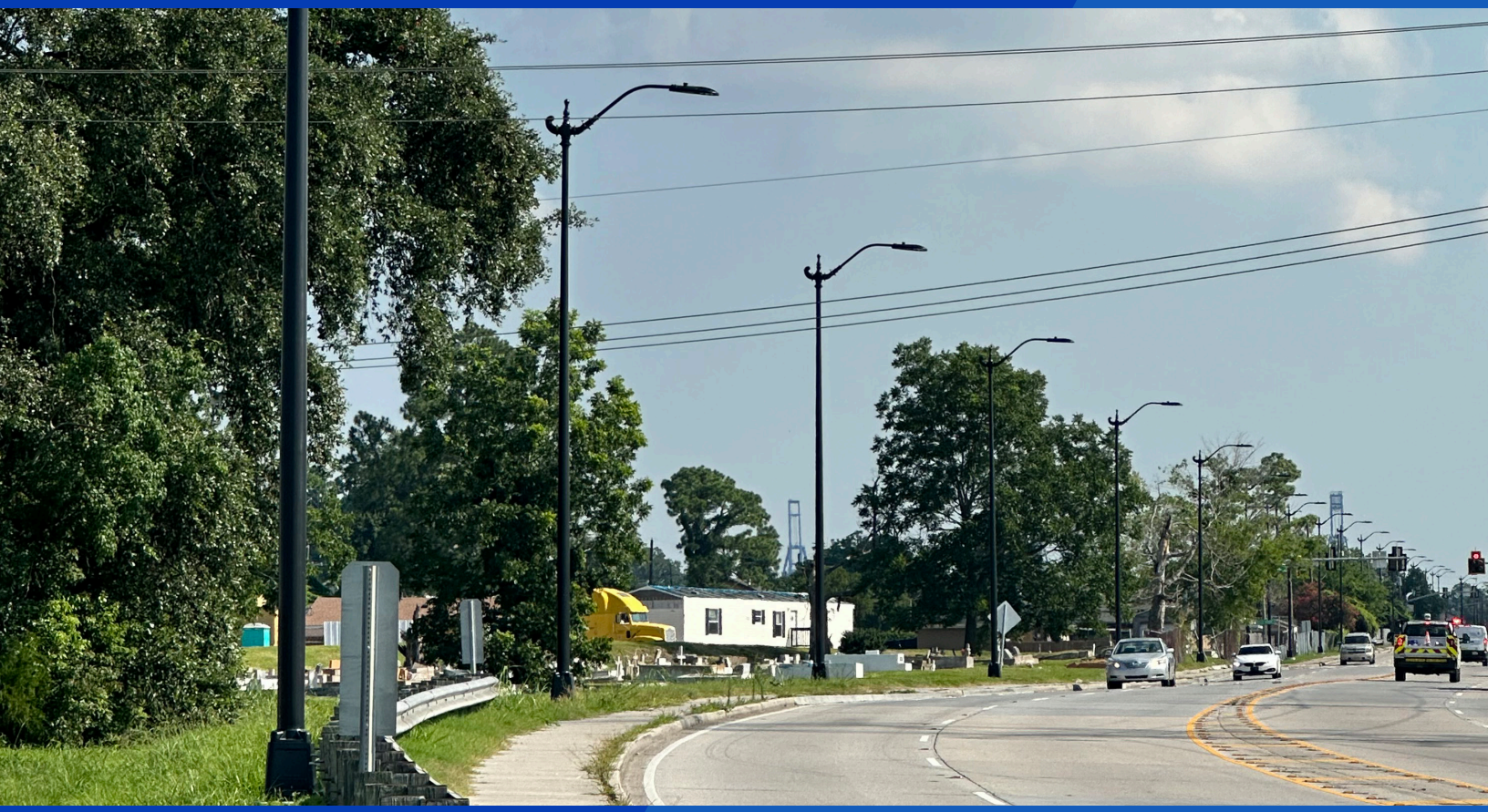
Statement of Qualifications

RESOLUTION NO. 145729 | SOQ 25-007

Professional Engineering Services related to the Design and Construction of the Ames Boulevard Lighting Project (Lapalco to Barataria)

PRESENTED TO: JEFFERSON PARISH GOVERNMENT



Ames Blvd Decorative Street Lighting Improvements (Westbank Expressway to Lapalco Blvd.)

March 7, 2025

GEC

Celebrating Over 38 Years of Experience

3501 N. Causeway Blvd., Suite 210, Metairie, LA 70002 • (504) 838-6009

March 7, 2025

Jefferson Parish Purchasing Department
General Government Building
200 Derbigny Street, Suite 4400
Gretna, LA 70053
Submitted electronically

RE: STATEMENT OF QUALIFICATIONS, PROFESSIONAL ENGINEERING SERVICES RELATED TO THE DESIGN AND CONSTRUCTION OF THE AMES BOULEVARD LIGHTING PROJECT (LAPALCO TO BARATARIA) (RESOLUTION NO. 145729 | SOQ 25-007)

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 project. Our proposal is compliant with the RFQ instructions and demonstrates our ability to successfully deliver professional services , including design of a street lighting system on Ames Boulevard between Lapalco Blvd. and Barataria Blvd. and resident inspection.. 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. We have included All South Consulting Engineers to provide surveying as needed.

Established in 1986, GEC has more than 130 employees and a long history of experience with similar projects, **including decorative street lighting design for a 1.3-mile portion of Ames Blvd in Jefferson Parish between the Westbank Expressway and Lapalco Blvd. GEC can provide a seamless transition for the design of lighting improvements on Ames Blvd between Lapalco and Barataria.**

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.

Sincerely,

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

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

A. PROJECT NAME AND ADVERTISEMENT RESOLUTION NUMBER:

Professional Engineering Services related to the Design and Construction of the Ames Boulevard Lighting Project (Lapalco to Barataria)
(Resolution No. 145729 | SOQ 25-007)

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)	2	Geologists	5	Structural Engineers
0	Chemical Engineers	0	Geotechnical Engineers	4	Graduate Engineers
23*	Civil Engineers	0	Interior Designers	1	Project Managers
22	Construction Inspectors	0	Landscape Architects	0	Clerical
9**	Ecologists	0	Land Surveyor	0	Grant/Funding Specialist
5	Electrical Engineers	0	Mechanical Engineers	****	Sanitary Engineers
7	Engineer Intern	4	Environmental Engineers	40	**Other**
0	Professional Land Surveyors	1	Urban Planner	**132**	**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.

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):
All South Consulting Engineers All South Consulting Engineers LLC 652 Papworth Avenue Metairie, LA 70005	Survey	Yes

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

14 ***(additional individuals available to be assigned as needed)***

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 design and project management related tasks. 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

AMES BLVD DECORATIVE STREET LIGHTING IMPROVEMENTS (WESTBANK EXPRESSWAY TO LAPALCO BLVD.): Jefferson Parish, LA. Electrical Engineer of Record - Mr. Prattini oversaw electrical design of street lighting fixtures on approx. 1.3 miles of roadway. GEC currently provides construction engineering support services. (08/21-Present)

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)

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

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. (09/19-10/24)

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 NORTHSHORE BOULEVARD INTERCHANGE LIGHTING: Slidell, LA. Quality Control - Mr. Prattini performed Quality Control for this project. Services included design, development of plans and specifications, and CE&I as required. (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.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)

CLEARY AND W. NAPOLEON LIFT STATION: Jefferson, LA. Electrical Engineer of Record - Mr. Prattini designed and developed the electrical plans and specifications for the upgrading of existing equipment to two 67 HP dry well pumps operating on variable frequency drives, SCADA interface, and controls. (2017)

OAK HARBOR EAST UTILITY, LAKESHORE ESTATES 300K WWTP EXPANSION: Slidell, LA. Electrical Engineer of Record - Mr. Prattini designed the power distribution system for a 300,000 gallon per day WWTP system including generator standby power system, area lighting,

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:

40 *(40 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.

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, pre-stressed concrete girder spans and steel girder spans. All pre-stressed girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specs. (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. (04/19-12/21)

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)

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:

15 *(48 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 48 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-

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)

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)

AMES BLVD DECORATIVE STREET LIGHTING IMPROVEMENTS (WESTBANK EXPRESSWAY TO LAPALCO BLVD.): Jefferson Parish, LA. Electrical Engineer - For the electrical design of street lighting fixtures on approx. 1.3 miles of roadway, Mr. Coerver provided QA/QC review, along with assisting with fieldwork and design. GEC currently provides construction engineering support services. (08/21-Present)

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

NAME & TITLE:

TOM COERVER JR., PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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 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)

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 STREET LIGHTING IMPROVEMENTS (WESTBANK EXPRESSWAY TO LAPALCO BLVD.): Jefferson Parish, LA. Electrical Design / CE&I - 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. (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.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 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)

H.013897 I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.

NAME & TITLE:

LUIS DIAZ, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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.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)

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)

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)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

DANG NGUYEN, EI, Electrical Engineer Intern

PROJECT ASSIGNMENT:

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 has 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

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. (07/23-Present) (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. (07/23-Present) (State Project No. H.015598)

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 confirm that designs were up-to-date and in compliance with their updates. (06/24-Present)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

NICHOLAS MONTEGUT, EI, Electrical Engineer Intern

PROJECT ASSIGNMENT:

Engineer Intern

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

7 *(7 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2017 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2024 / Louisiana Licensed Engineer Intern No. 35926

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Montegut has 7 years of experience in designing electrical lighting and power systems. 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. In addition to roadway lighting projects, Mr. Montegut has experience in the analysis of generator systems performing generator-sizing calculations, voltage drop and conduit fill calculations, conductor sizing, protective device coordination ad arc flash analysis using ETAP.

RELEVANT PROJECT EXPERIENCE

AMES BLVD DECORATIVE STREET LIGHTING IMPROVEMENTS (WESTBANK EXPRESSWAY TO LAPALCO BLVD.): Jefferson Parish, LA. Electrical Design / CE&I - Mr. Montegut completed the design of this project under the supervision of the signing PE, including construction plan set development, photometric calculations, voltage drop & conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, & protective device sizing. He currently provides construction engineering support services. (2021-Present)

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)

NAME & TITLE:

NICHOLAS MONTEGUT, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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 (09/19-10/24)

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. (07/21-01/23) (State Project No. H.004100)

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. (09/20-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, 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)

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)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

ELIZABETH GUIZA, PE, Senior Manager of Engineering GNO

PROJECT ASSIGNMENT:

Civil Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

2 *(14 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2010 / Chemical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2015 / Licensed Professional Civil Engineer No. 39531

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Ms. Guiza provides engineering support for a range of projects including civil/site developments, tunnel inspection, tunnel rehabilitation, gravity stormwater systems, water systems, sewer systems, and roadway construction. Ms. Guiza is experienced in the development of cost estimates, quantity calculations, drainage design, retention pond design, stormwater management plans, geometric design, erosion control, canal bank stabilization, maintenance-oftraffic, preparation of specifications, and construction management.

RELEVANT PROJECT EXPERIENCE

CCC DECORATIVE LIGHTING CE&I: Orleans Parish, LA. Project Manager - GEC provided construction contract administration and Construction Engineering and Inspection (CE&I) services for the Crescent City Connection (CCC) Decorative Lighting Replacement. This project consisted of replacement of the decorative lighting on the Crescent City Connection Bridge in Orleans Parish. GEC services were performed in accordance with DOTD's Standards and Procedures. Ms. Guiza's duties as project manager included monitoring project progress to ensure that the contractor adhered to project plans and specifications; attending weekly status meetings; reviewing monthly pay apps and RFIs; and preparing change orders. (03/24-12/24)

HARVEY CANAL TUNNEL REHABILITATION CE&I: Jefferson Parish, Louisiana. Project Engineer - GEC is responsible for the engineering and inspection services (CE&I) of the Harvey Canal Tunnel Rehabilitation Project which consists of the rehabilitation of the Harvey Canal Tunnel and its approaches along US90Z in Jefferson Parish. Prior to joining GEC, Ms. Guiza performed design services for the improvements from 03/19-02/23. After joining GEC in 02/23, Ms. Guiza continued in her role as Project Engineer responsible for design through the engineering and inspection services (CE&I). She manages inspection staff working to oversee the contractor's construction operations to ensure that all work is performed in accordance with the plans and specifications and using approved materials. For unforeseen conditions which may require field engineering, Ms. Guiza also provides design services. The scope of the current Basis of Design Report (BODR) covers the structural repair, leak remediation, upgrades to the tunnel ventilation system, roadway resurfacing, new fire and life safety systems, new HVAC, new drainage system, electrical repair and rehabilitation; Fire Detection System Integration; Power Systems; CCTV System); full tile replacement and other updates based on the current construction activities. (06/23-Present)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

MANY HEYMANN, PE, Vice President of Operations

PROJECT ASSIGNMENT:

Construction Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

2 *(22 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 - GEC is responsible for the engineering and inspection services (CE&I) of the Harvey Canal Tunnel Rehabilitation Project which consists of the rehabilitation of the Harvey Canal Tunnel and its approaches along US90Z in Jefferson Parish. Mr. Heymann serves as Project Engineer responsible for the engineering and inspection services (CE&I) of the Harvey Canal Tunnel Rehabilitation Project. He manages inspection staff working to oversee the contractor's construction operations to confirm that all work is performed in accordance with the plans and specifications and using approved materials. For unforeseen conditions which may require field engineering, Mr. Heymann provides design services. (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)

OLD SPANISH TRAIL (NOTTINGHAM DR. TO SHERWOOD DR.): New Orleans, LA. Engineer - Mr. Heymann was responsible for the provided plan services for the reconstruction of Old Spanish Trail (Nottingham Dr. to Sherwood Dr.) surface and subsurface infrastructure from Nottingham Drive to Sherwood Drive. Scope of work also included bidding, construction administration and resident inspection. (2012-2022)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

JAMES WHEELER, Senior ITS Inspector

PROJECT ASSIGNMENT:

Inspector

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

18 *(31 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 ensured 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. (03/24-12/24) (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)

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:

9 *(14 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 over 14 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 standby 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- Mr. Guttner performed the site inspection for the phase I and phase II generator installations. He assisted the design team with electrical plan layouts, field verification & documentation, utility coordination, and plan reviews. Phase I consisted of the installation of seven standby generators located at various sewer lift stations and treatment plants in St. John the Baptist Parish. Phase II added an additional three generators to existing lift stations. (06/16-07/16 (Phase I)) (04/18-09/22 (Phase II))

READ BLVD INTERSTATE LIGHTING: New Orleans, LA. Inspector - Project limits include the I-10 / Read Blvd. Interchange. Mr. Guttner has 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 is included. (01/17-11/17 (Design)) (04/18-06/21) (Construction))

I-10 & I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD: East Baton Rouge Parish, LA. Electrical Inspector- Mr. Guttner has assisted with photometric and lighting layout design and ITS for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build Project. (09/20-Present) (State Project No. H.013897)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

JEFFREY GOODING, Inspector

PROJECT ASSIGNMENT:

Inspector

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

3 *(9 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. Gooding has more than 9 years of experience as a construction inspector. He assists other inspectors in field operations and office work on numerous projects. Mr. Gooding has experience on inspecting asphalt paving, concrete patching and base course reconstruction.

RELEVANT PROJECT EXPERIENCE

HARVEY CANAL TUNNEL REHABILITATION CE&I: Jefferson Parish, Louisiana. Inspector - GEC is responsible for the engineering and inspection services (CE&I) of the Harvey Canal Tunnel Rehabilitation Project which consists of the rehabilitation of the Harvey Canal Tunnel and its approaches along US90Z in Jefferson Parish. GEC field staff inspects the contractor's construction operations daily to confirm all work is performed in accordance with the specified plans and specifications and using approved materials. Staff maintains clear and concise records of the contractual operations, prepares monthly pay estimates, and makes monthly progress reports in conformance with DOTD requirements. The rehabilitation includes new tile lining, drainage pumps, pavement, and ventilation system. Mr. Gooding is an inspector for the project. (06/23-Present)

S.P. NO. 44-28466, H.015504.6 / CCC DECORATIVE LIGHTING CEI: Orleans Parish, LA. Inspector - GEC provided construction contract administration and CE&I services for the Crescent City Connection (CCC) Decorative Lighting Replacement. This project consisted of replacement of the decorative lighting on the Crescent City Connection Bridge in Orleans Parish. GEC services were performed in accordance with DOTD's Standards and Procedures. GEC inspection staff confirmed contractors build the project according to plan using the correct materials according to submittals and following all safety procedures. Staff documented and completed daily work reports for LADOTD. Mr. Gooding worked as an inspector. (03/24-12/24)

ST. BERNARD AVENUE GROUP A RR165: Orleans Parish, LA. Construction Inspection - Mr. Gooding is providing oversight and inspection on several NOSWB sewer and water line upgrades, replacement, testing, chlorination and acceptance. Confirmed water and sewer mains installed according to jobsite specifications. Verified all house connections for sewer and water securely connected. He also oversees the pavement and roadway replacement, drives, sidewalks and related items for the city of New Orleans Department of Public Works. (07/19-Present)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

IAN HANAWALT, Certified Inspector

PROJECT ASSIGNMENT:

Inspector

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

2 *(14 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. Hanawalt is a Construction Inspector and has provided quality assurance oversight in the sampling and testing of various construction materials and the inspection of embankment/base course, PCC pavement, asphaltic pavement, drainage and sewer structures, subsurface utilities repairs and replacements and structural concrete. Mr. Hanawalt has experience in the drafting of preliminary, issued for bid, issued for construction, and as-built plans. He is also experienced in the development of cost estimates, quantity calculations, plan changes, temporary traffic control plans, and preparation of specifications.

He is certified as both an ATSSA Traffic Control Technician and ATSSA Registered Flagger. He has obtained his specialty in Asphaltic Concrete Paving and a specialty in Embankment and Base Course from LADOTD. He is currently enrolled or planning to enroll in multiple other LADOTD technical certification courses for the following areas: PCC Paving, PCC Technician, and Structural Concrete.

RELEVANT PROJECT EXPERIENCE

HARVEY CANAL TUNNEL REHABILITATION CE&I: Jefferson Parish, Louisiana. Inspector – Mr. Hanawalt is an inspector for the project which consists of the rehabilitation of the Harvey Canal Tunnel and its approaches along US90Z in Jefferson Parish. (06/23-Present)

I-10/LOYOLA INTERCHANGE IMPROVEMENTS, OWNER VERIFICATION SERVICES: Jefferson Parish, LA. Inspector - GEC, selected as the Owner Verification firm, provided all necessary engineering & related services for Design-Build Construction Support Services for the administration of the Design-Build contract on behalf of LADOTD, along with managing the implementation of the project's Construction Quality Assurance Program (CQAP). Mr. Hanawalt served as an inspector on the project. (01/23–04/24)

WORK DONE PRIOR TO GEC

LA23 BELLE CHASSE BRIDGE AND TUNNEL, OVS: Belle Chasse, LA. OV Construction Inspector - Mr. Hanawalt provided Owner Verification (OV) inspection services for the phases of construction for new bridge being constructed over Intracoastal Waterway in Belle Chasse, Louisiana as a Public-Private Partnership (P3) LADOTD project. Construction inspection included concrete columns and footings, bent piles, risers, sheer keys, girder placement, curb and gutter, asphalt roadway, base course, non-plastic embankment, traffic control and storm water pollution prevention. This project had an estimated cost of $175 million. (04/22-01/23)

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)

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 (WESTBANK EXPRESSWAY TO LAPALCO BLVD.) 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 satisfy all Parish requests and standards for decorative roadway lighting. 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. The project is in the final phases of construction.

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
Ongoing	$ 741,000 (Est. Construction)	$ 59,250 (Est. GEC Fees)

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.

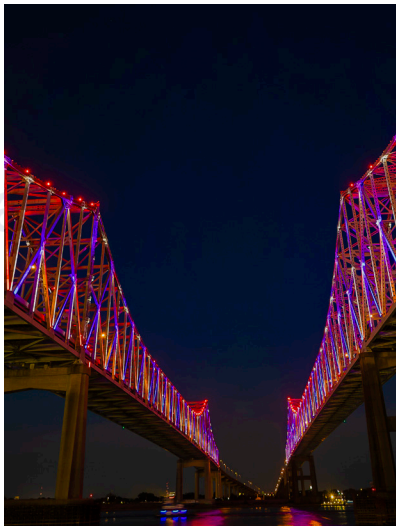
PROJECT NO. 2

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 Pailet 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 (Est. Construction)	$ 294,355.65 (Est. GEC Fees)	

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 provided construction contract administration and Construction Engineering and Inspection (CE&I) services for the Crescent City Connection (CCC) Decorative Lighting Replacement. This project consisted of **replacement of the decorative lighting** on the Crescent City Connection Bridge in Orleans Parish. GEC services were performed in accordance with DOTD's Standards and Procedures. GEC inspection staff confirmed contractors build the project according to plan using the correct materials according to submittals and following all safety procedures. Staff documented and completed daily work reports for LADOTD. In addition, staff attended weekly scheduled meetings and informed the contractor of any deficiencies. GEC was also responsible for soil and concrete testing, creating sample IDs, and delivering to LADOTD lab. Mockup tests were performed to confirm 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:
2024	Unknown	$ 1,119,000 (Est. GEC fee)

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.

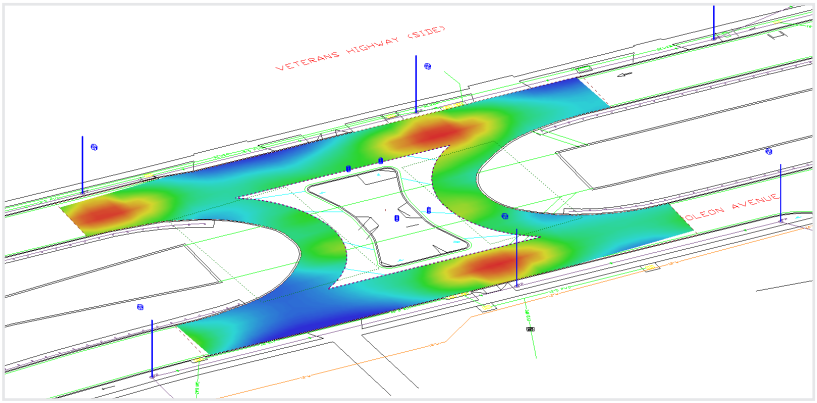
PROJECT NO. 4

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 (Est. Construction)	$ 87,000 (Est. GEC Fees)

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 ascetically pleasing appearance.  

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2015	Unknown	$ 135,000 (Est. GEC Fees)

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: MRB-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)

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

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.

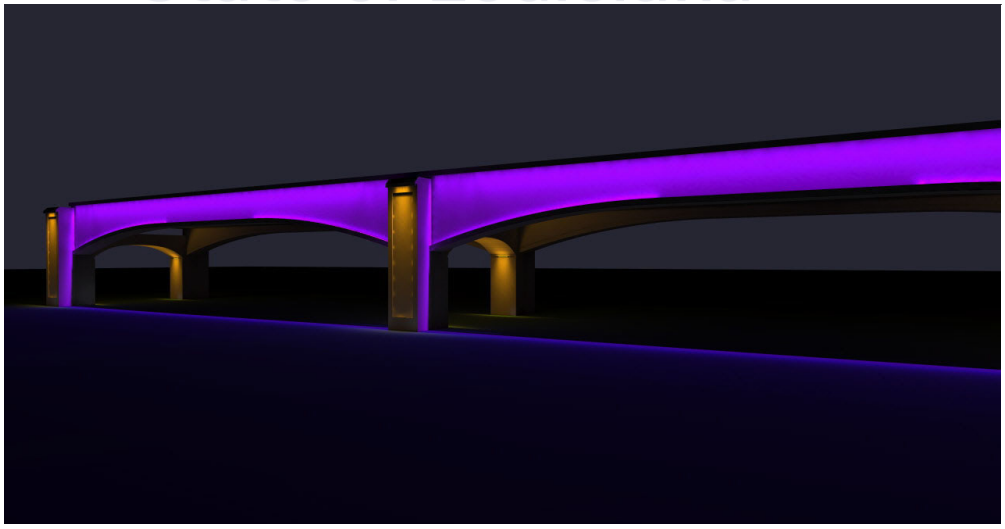
PROJECT NO. 8

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 (Est. Construction)	$ 5,088,789 (Est. GEC Fees)

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:	NATURE OF FIRM'S RESPONSIBILITY:
I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 Baton Rouge, Louisiana *Client: LADOTD, Nicholas Olivier, 225-379-1133*	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 **full interstate lighting design for the project, along with lighting design for the multi-use greenway path** running underneath I-10 and the lighting for four (4) new roundabouts. 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):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
Ongoing	Unknown	$ 3,200,000 (Est. GEC Fees)

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 (Est. Construction)	$ 996,200 (Est. GEC Fees)

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.

Design and Construction of the Ames Boulevard Lighting Project (Lapalco to Barataria)

STATEMENT OF QUALIFICATIONS

GEC-DESIGNED LIGHTING IMPROVEMENTS ALONG AMES BLVD. (WESTBANK EXPRESSWAY TO LAPALCO)

Detailed view of the GEC-designed decorative music scroll on the recently installed Ames Blvd. Lighting project in Jefferson Parish.

GEC is currently overseeing final construction phase services for the installation of the GEC-designed decorative roadway lighting system on Ames Blvd. from Lapalco Blvd. to the Westbank Expressway.

GEC staff presented herein worked alongside current Jefferson Parish personnel to satisfy all Parish requests and standards for decorative roadway lighting. **If selected for this project, GEC can provide a seamless transition and continued quality of design for a cohesive street lighting system along Ames Blvd.** The GEC personnel responsible for the design of the Westbank Expressway to Lapalco Blvd. segment will continue as the designers for the segment between Lapalco and Barataria providing the Parish with an experienced team able to draw upon lessons learned and in-depth knowledge of the project site.

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

SIGNATURE: Sherri N. LeBas PRINT NAME: **Sherri LeBas, PE**

TITLE: **Executive Vice President** DATE: **March 7, 2025**

Minimum Requirements for Selection

DESIGN AND CONSTRUCTION OF THE AMES BOULEVARD LIGHTING PROJECT (LAPALCO TO BARATARIA)

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 (1) EMPLOYEE WHO IS A LICENSED, REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF LOUISIANA IN THE APPLICABLE DISCIPLINE INVOLVED.

STAFF NAME	YEARS OF EXPERIENCE	LICENSE NO. (DISCIPLINE)
Mickey Prattini Jr., PE	20	LA PE No. 35993 (Electrical)
Michael Chiasson, PE	48	LA PE No. 17978 (Electrical)
Tom Coerver Jr., PE	40	LA PE No. 30722 (Electrical)
Luis Diaz, PE	4	LA PE No. 48985 (Electrical)

Organizational Chart

DESIGN AND CONSTRUCTION OF THE AMES BOULEVARD LIGHTING PROJECT (LAPALCO TO BARATARIA)

THE GEC TEAM

Jefferson Parish
State of Louisiana
JP Project Manager

GEC

Sherri Lebas, PE
Principal-in-Charge

Mickey Prattini JR., PE
Professional-in-Charge

Cary Bourgeois, PE
QA/QC

Michael Chiasson, PE
Electrical Engineer

Tom Coerver JR., PE
Electrical Engineer

Luis Diaz, PE
Electrical Engineer

Nicholas Montegut, EI
Engineer Intern

Dang Nguyen, EI
Engineer Intern

Elizabeth Guiza, PE
Civil Engineer

Many Heymann, PE
Construction Engineer

Jimmy Wheeler
Electrical Inspector

Bowman Guttner
Electrical Inspector

Jeffrey Gooding
Resident Inspector

Ian Hanawalt
Resident Inspector

ASCE All South Consulting Engineers

All South Consulting Engineers, LLC
Surveying Sub-Consultant

○ *Worked on Ames Blvd (Westbank Expressway to Lapalco Blvd.)*

Professional Qualifications

DESIGN AND CONSTRUCTION OF THE AMES BOULEVARD LIGHTING PROJECT (LAPALCO TO BARATARIA)

G.E.C., Inc. (GEC) appreciates the opportunity to offer Jefferson Parish a highly capable and experienced professional electrical design team to provide professional services for the design and construction of decorative street lighting on Ames Boulevard (Lapalco to Barataria). GEC is finalizing construction phase services for the segment of Ames Blvd. between the Westbank Expressway and Lapalco Blvd. We are eager and readily available to continue in this role for the proposed segment.

Since 1986, GEC is a Louisiana-based engineering 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. GEC routinely 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 for residents.

Evaluation Criteria

DESIGN AND CONSTRUCTION OF THE AMES BOULEVARD LIGHTING PROJECT (LAPALCO TO BARATARIA)

1) PROFESSIONAL TRAINING AND EXPERIENCE IN RELATION TO THE TYPE AND MAGNITUDE OF WORK REQUIRED FOR THE PARTICULAR PROJECT

GEC's electrical engineers have knowledge of 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, including Jefferson Parish. 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.

GEC also has a fully qualified team of construction engineers and several Project Engineers available to provide construction administration services. GEC's resident project inspectors hold various certifications including structural concrete, asphalt plant, and roadway inspection, as well as Portland cement concrete paving, and embankment and base construction. GEC's Construction Division is readily available to provide professional, quality construction management, construction engineering and inspection services, electrical inspection, and other related duties.

GEC's proposed survey sub-consultant **All South Consulting Engineers, LLC** is a Limited Liability Company owned by Timothy Bonura, Jens J. Nielsen Jr., and Stephen Smith. Established in May 2004, All South is a multi-disciplinary firm that provides Civil and Structural Engineering, Land and Hydrographic Surveying, Program and Grant Management, Construction Administration and Inspection, and Disaster Management to federal, state, and municipal agencies, as well as private clients throughout the Gulf Coast.

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

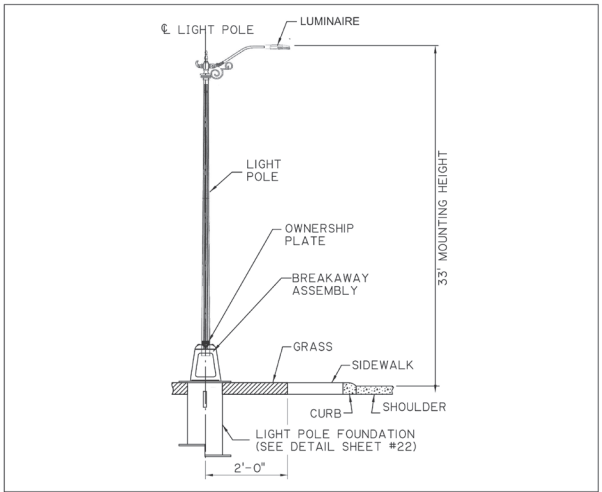
GEC currently has ample staff available to work either full or part time on this project assigned by Jefferson Parish, from our Metairie office on Causeway Blvd. As shown in Section E of this proposal, our staff of over 130 includes professionals and support personnel. Many have advanced degrees with over 15 years of experience with design throughout Louisiana.

EVALUATION CRITERIA

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

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 include the Harvey WWTP Switchgear which is in the bidding phase and **Ames Blvd Decorative Street Lighting Improvements (Westbank Expressway to Lapalco Blvd.) which is in the final stages of construction**. **Electrical design personnel are immediately available to commence work on the next segment of Ames Blvd.** GEC has ample resources in our electrical department to start new projects as assigned by the Parish under this retainer.

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.



Ames Blvd Decorative Street Lighting Improvements (Westbank Expressway to Lapalco Blvd.)

EVALUATION CRITERIA

4) PAST PERFORMANCE ON A PROJECT IN WHICH THE PERSON OR FIRM ASSISTED A GOVERNMENTAL ENTITY IN DEALINGS WITH DISASTER RECOVERY AND ANY OTHER PROJECT RELATING TO CDBG

GEC has several years of experience with disaster recovery, grants, loans, issued revenue bonds and other public funded projects including Community Development Block Grant program projects. We are very familiar with the CDBG application process, rules and regulations. The following projects provide a description of federally funded projects for which GEC has been involved.

SAMPLING OF DISASTER RECOVERY AND CDBG PROJECTS COMPLETED BY GEC

- **Louisiana Housing Corporation, Baton Rouge , LA.** Completed: 2023 / CDBG, Disaster Recovery Assistance. Grantee: CST Land Developers, LLC for Morningside At Gerstner Place in Lake Charles, LA. Contact: Lucas Hornsby; 225-445-1999; lhornsby@clean-env.com
- **Louisiana Housing Corporation, Baton Rouge , LA.** Completed: 2023 / CDBG, Disaster Recovery Assistance. Grantee: CST Land Developers, LLC for Reserved at Power Place in Lake Charles, LA. Contact: Lucas Hornsby; 225-445-1999; lhornsby@clean-env.com
- **Municipal Water/Gas System Improvement, Abita Springs, LA.** Completed: / Type: CDBG, Water/Gas System Improvement. Grantee: Town of Abita Springs. Contact: Jean Thibodeaux, P.E.; 985-590-7241; jeanthib@bellsouth.net
- **Cedar Grove Drainage Pumping Station, Houma, LA.** Completed: 2014 / Type: FY 2010 CDBG, Disaster Recovery program regulations. Grantee: Terrebonne Parish Consolidated Government. Contact: Gregory Bush; 985-873-6735; gbush@tpcg.org
- **Cancienne Canal Improvements, Assumption Parish, LA.** Completed: Ongoing / Type: CDBG, Disaster Recovery drainage project. Grantee: Assumption Parish. Contact: John Boudreaux; 985-369-7435; johnboudreaux@assumptionoep.com
- **Napoleonville Drainage Culvert Replacement, Assumption Parish, LA.** Completed: 2014 / Type: CDBG, Drainage. Grantee: Assumption Parish. Contact: John Boudreaux; 985-369-7435; johnboudreaux@assumptionoep.com
- **Head Start Facility Improvements, Belle Chasse, LA.** Completed: / Type: CDBG, Driveway and Parking Lot Drainage Improvements. Grantee: Plaquemines Parish. Contact: Mark Baum, AIA (Chenevert Architects); 504-314-1404; markbaum@chenevertarchitects.com
- **Tangipahoa Parish LCDBG Economic District , Tangipahoa Parish, LA.** Completed: / Type: LCDBG, Road Improvements. Grantee: Tangipahoa Parish. Contact: Maurice Jourdan; 985-748-9081; tpcroads@I-55.com
- **Municipal Sewer Program Management.** Completed: 2017 / Type: CDBG, Sewer Program Management. Grantee: City of Kenner. Contact: Tom Schreiner, P.E.; 504-468-7515
- **Ocean Beach Wastewater Design, Pascagoula, MS.** Completed: / Type CDBG/HUD, sewer system improvements. Grantee: Jackson County Utility Authority. Contact: Alan Plummer Associates, Inc.

EVALUATION CRITERIA

5) LOCATION OF THE PRINCIPAL OFFICE

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 provides 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

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.

> "[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*

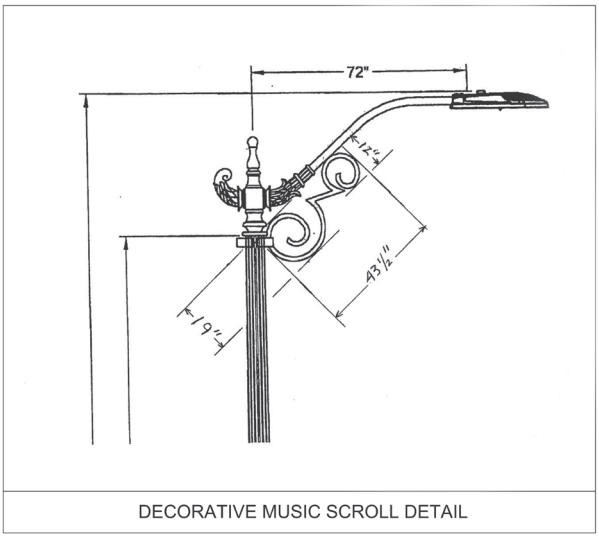
EVALUATION CRITERIA

7) PRIOR SUCCESSFUL COMPLETION OF PROJECTS OF THE TYPE AND NATURE OF ENGINEERING SERVICES, AS DEFINED, FOR WHICH FIRM HAS PROVIDED VERIFIABLE REFERENCES

GEC has an excellent record of performance of engineering services contracts for various State, Local and Federal agencies. 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.

Most notably, GEC designed decorative lighting along Ames Blvd from the Westbank Expressway to Lapalco Blvd. which is adjacent to the proposed project area. We encourage the Selection Committee to contact the Ames Blvd. Project Manager Mitchell Theriot for a statement regarding our performance on the project.



DECORATIVE MUSIC SCROLL DETAIL

Ames Blvd Decorative Street Lighting Improvements (Westbank Expressway to Lapalco Blvd.)

We have thoroughly reviewed the solicitation and feel confident GEC has the broad experience and full array of personnel necessary to complete all design services.

We appreciate the Selection Committee's review of our extensive qualifications and look forward to the opportunity to continue to provide electrical design services for Jefferson Parish on Ames Blvd.

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

Name:	Public Address:
G.E.C., Inc.	8282 Goodwood Boulevard

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001917	Active	11/15/1994	03/31/2027	Mr. Many Marshall Heymann # PE.0035554 ; Mr. Cary Allen Bourgeois # PE.0023414

TEC QUESTIONNAIRE SURVEY SUB-CONSULTANT

All South Consulting Engineers, LLC

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 25-007- Professional Engineering Services related to the Design and Construction of the Ames Boulevard Lighting Project (Lapalco to Barataria), Resolution No. 145729

B. Firm Name & Address where Project work will be performed:

All South Consulting Engineers

652 Papworth Avenue,
Metairie, Louisiana 70005

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:

John Teegarden, P.L.S.
Vice President, Survey Division Manager
504-322-2783
jteegarden@ascellc.com

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.

Timothy P. Bonura, P.E.
Managing Partner
504-322-2783
tim@ascellc.com

John Teegarden, P.L.S.
Vice President, Survey Division Manager
504-322-2783
jteegarden@ascellc.com

E. Please provide the number of employees whose primary function corresponds with each category:

7	Administrative	0	Estimators	1	Specification Writers
1	Architects (Licensed)	0	Geologists	2	Structural Engineers
0	Chemical Engineers	0	Geotechnical Engineers	2	Graduate Engineers
11	Civil Engineers	0	Interior Designers	4	Project Managers
12	Construction Inspectors	0	Landscape Architects	3	Clerical
0	Ecologists	0	Land Surveyor	7	Grant/Funding Specialist
0	Electrical Engineers	0	Mechanical Engineers	0	Sanitary Engineers
8	Engineer Intern	2	Environmental Engineers		
2	Professional Land Surveyor			76	**TOTAL**

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):
1. N/A		
2.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of this Project:

7

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:

John Teegarden, PLS
Vice President, Survey Division Manager

Project Assignment:

Senior Professional Land Surveyor, Survey Project Manager

Name of Firm with which associated:

All South Consulting Engineers, LLC

Years' experience with this Firm:

10

Education: Degree(s)/Year/Specialization:

International Correspondence School, Surveying and Mapping Course (2-year course completed)

Active registration: Year first registered/discipline:

1990/ Professional Land Surveyor/ Louisiana License No. 4635
1999/ Professional Land Surveyor/ Mississippi License No. 2782

Other experience and qualifications relevant to the proposed Project:

John S. Teegarden, PLS joined All South Consulting Engineers, LLC in 2014 as Vice President and Survey Division Manager. Mr. Teegarden has extensive experience in all aspects of land surveying including boundary, elevation, topographic, hydrographic, industrial, and construction projects. Throughout his career, he has participated in or directed surveys for a wide variety of clientele including local municipal and governmental agencies, state agencies, and federal agencies. In his career, he has served as a Field Party Chief, Field Supervisor, CAD Technician, Project Manager, and Division Manager. Mr. Teegarden's varied project experience includes high precision survey control, single and multibeam hydrographic surveys, large boundary surveys, surveys for public right-of-way taking, topographic route surveys, mapping of subsurface utilities based on the markings provided by a subsurface utility engineering firm, coastal restoration projects, laser scanning surveys and GPS project surveys.

Maureen Lane at 20 Arpent Canal *St. Bernard Parish, Louisiana*
Mr. Teegarden and the ASCE survey staff prepared a topographic survey of the Maureen Lane crossing at the 20 Arpent Canal for the design of a new pre-cast bridge crossing. The survey included the existing culvert crossing, roadway location, location of existing utilities.

Golden Drive at Intercepting Canal *St. Bernard Parish, Louisiana*
Mr. Teegarden and the ASCE survey staff prepared a topographic survey of the Golden Drive crossing at the Intercepting Canal for the design of a new pre-cast bridge crossing. The survey included the existing culvert crossing, roadway

location, location of existing utilities.

Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana*
Mr. Teegarden performed full topographic services to assist with the design of new drainage for a portion of Old Arabi. This included data collection, data processing, data management, research, CAD, and project budget oversight. This included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork.

Westside-Alma Drainage Project *Terrebonne Parish, Louisiana*
Mr. Teegarden performed full topographic services for the purpose of improving the drainage along Westside Blvd from Main St. to Alma St. This included data collection, data processing, data management, CAD, and project budget oversight.

West Esplanade at Canal 10 Drainage Improvements *Kenner, Louisiana*
Topographic Survey of canal crossing, Location of underground utilities located by subsurface utility engineering contractor and added to an existing topographic survey. Cost $2,500, party chief, processing field data.

Bayou Vista Subdivision Drainage Model *Thibodaux, Louisiana*
Mr. Teegarden performed full topographic survey services including retrieving existing Lidar data From the NGS website to be combined with survey data taken in the field in order to produce a drainage model for Bayou Vista Subdivision.

St. Louis Canal Road *Houma, Louisiana*
Mr. Teegarden performed full boundary surveying services for the acquisition of a servitude for drainage Improvements. This included performing the necessary field work for the survey, data processing and preparation of a boundary map.

Canal No. 10 Underground Utility Locations *Jefferson Parish, Louisiana*
Mr. Teegarden provided topographic survey services for the West Esplanade at Canal 10 Drainage Improvements project. His responsibilities included a topographic survey of canal crossing, location of underground utilities located by subsurface utility engineering contractor and added to an existing topographic survey.

Alidore Drainage Study and Improvements *Lafourche Parish, Louisiana*
For this project, Mr. Teegarden obtained Topographic survey elevation data on culverts with pipe sizes and conditions, cross sections of ditches and canals for drainage study and design of a new pump station. Mr. Teegarden's role in this project included planning the survey, running GPS control, processing GPS and robotic total station files for import into AutoCAD Civil 3D. Party chief, ±71 Ac.

South Kenner Avenue Roadway Rehabilitation *Westwego, Jefferson Parish, Louisiana*
Mr. Teegarden managed survey project by instructing field crews, reviewing field data, analysis of boundary data collected to set up existing rights-of-way and perform QA/QC review of work at the completion of the project.

Geisenheimer Canal Topographic Survey *Jefferson Parish, Louisiana*
Mr. Teegarden led our survey teams in the preparation of a topographic survey that included the location of the Geisenheimer Canal Box Canal and the adjoining surface features from the north curb line of Airline Highway into the fairway of Metairie Country Club adjacent to Airline Highway.

Loumor Outfall Ditch Topographic Survey *Jefferson Parish, Louisiana*
Mr. Teegarden and the All South survey staff provided a topographic survey of the route that follows the 78" X 122" RCAP along the western edge of Metairie Country Club Golf course, then southeasterly and finally south to Geisenheimer Canal just north of Airline Highway. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, that included ties, sand traps and the raised greens that fell in the route.

Lake Cataouatche Pump Station Topographic Survey *Jefferson Parish, Louisiana*
Mr. Teegarden and his team prepared a topographic survey at the site of the current Lake Cataouatche pump station located on Churchill Farms. The survey area adjacent to the existing pump station will be the site for a new pump station under design. The survey included cross sections of the site and the adjacent canal along with the location of improvements in the project area.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Taylor Casteigne, PLS
Professional Land Surveyor, Survey Supervisor

Project Assignment:

Professional Land Surveyor

Name of Firm with which associated:

All South Consulting Engineers, LLC

Years' experience with this Firm:

5

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 2019 / Geomatics

Active registration: Year first registered/discipline:

2022/ Professional Land Surveyor / Louisiana License No. 5291

Other experience and qualifications relevant to the proposed Project:

Mr. Casteigne graduated from Nicholls State University with a B.S. in Geomatics and has served as party chief and draftsman on a variety of surveys. He is well versed in the latest surveying equipment technology to ensure fast and accurate surveys. For all projects, Mr. Casteigne performs/oversees the necessary field work for the survey, then processes the data into a field book file. He then imports the data into Auto CAD where it is used to build a TIN surface. With this surface cross sections are generated over the required areas based on the scope. Contours are then generated showing lines of constant elevation. The budgets for each project are tracked daily, thus ensuring that the surveys are completed on time and under budget. This includes placing LA One Call tickets, giving field crews the list of tasks needed to complete the project, and ensuring the projects are completed in an orderly fashion.

Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana*
Mr. Casteigne performed full topographic services including data collection, data processing, data management, research, CAD, and project budget oversight. This included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork. Oversight over the drafting process was another key responsibility for this project. This survey was intended to assist with the design of new drainage for a portion of Old Arabi.

Bayou Vista Subdivision Drainage Model *Thibodaux, Louisiana*
Mr. Casteigne performed full topographic survey services including retrieving existing Lidar data From the NGS website to be combined with survey data taken in the field in order to produce a drainage model for Bayou Vista Subdivision.

St. Bernard Parish Canal Servitude Creation *St. Bernard Parish, Louisiana*

Mr. Casteigne performed full boundary services including data collection, data processing, data management, research, CAD, and project budget oversight. This included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork, as well as oversight over the drafting process. This survey is intended to create servitudes over 9 different canals throughout St. Bernard Parish to then allow the parish to clean these canals of obstructions after a major storm event.

LaFreniere Park Meadow Drainage Improvements *Jefferson Parish, Louisiana*
Mr. Casteigne performed full topographic services including data collection, data processing, data management, CAD, and project budget oversight. Also, performing the necessary field work for the survey, then processing the data into a fieldbook file. Once the data was in a fieldbook it is imported into Auto CAD, where the data is used to build a TIN surface. This work was used to analyze the existing drainage conditions of the park meadow area.

Jefferson Parish Juvenile Services Survey *Metairie, Louisiana*
Mr. Casteigne performed full topographic survey and CAD services, including locating all subsurface utilities in accordance with department standards for the design and construction of facility improvements. This included performing the necessary field work for the survey, then processing the data into a useable format.

Westside-Alma Drainage Project *Terrebonne Parish, Louisiana*
Mr. Casteigne performed full topographic services including data collection, data processing, data management, CAD, and project budget oversight. Also, performing the necessary field work for the survey, then processing the data into a fieldbook file. This includes a site visit prior to beginning the project to develop a cost estimate and developing a packet for field crews detailing what data will be required to complete the survey. This survey was for the purpose of improving the drainage along Westside Blvd from Main St. to Alma St.

Lakeview Terrace South Group B *New Orleans, Louisiana*
Mr. Casteigne performed full topographic survey and CAD services, including all subsurface utilities in accordance with department standards for the design and construction of street improvements. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD, where the data is used to build a TIN surface. With this surface cross sections are generated over the required areas based on the scope. Contours are then generated showing lines of constant elevation. The budget for the project was tracked daily ensuring that the survey was completed on time and under budget. This included placing LA One Call tickets, giving field crews the list of tasks needed to complete the project, and ensuring the project was completed in an orderly fashion.

Savanne Rd Drainage Improvements *Houma, Louisiana*
Mr. Casteigne performed full boundary surveying services for the acquisition of a servitude by Terrebonne Parish for drainage Improvements. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD where a boundary map could be prepared.

St. Louis Canal Road *Houma, Louisiana*
Mr. Casteigne performed full boundary surveying services for the acquisition of a servitude by Terrebonne Parish for drainage Improvements. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD and have a boundary map prepared.

St. Bernard Parish Water Plant Drainage Improvements *St. Bernard Parish, Louisiana (03/22)*
Mr. Casteigne performed full topographic services including data collection, data processing, data management, CAD, and project budget oversight. Also, performing the necessary field work for the survey, then processing the data into a fieldbook file. Once the data was in a fieldbook it is imported into Auto CAD, where the data is used to build a TIN surface. This work was used to analyze the existing drainage conditions of the St. Bernard Parish Water Treatment Plant.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Lyle Langley
Survey Party Chief

Project Assignment:

Survey Party Chief

Name of Firm with which associated:

All South Consulting Engineers, LLC

Years' experience with this Firm:

10

Education: Degree(s)/Year/Specialization:

SOWELA Technical Community College/ 2012 / Drafting

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Langley has worked on a wide variety of surveying projects and assisted in the integration of a robotic total station and our hydrographic software to track the hydrographic boat in areas where GPS was not feasible. He has the necessary training to use hydrographic equipment, HDS Laser Scanner and is familiar with Hypack hydrographic software. His work experience includes hydrographic surveys using a rod and tape, a total station, GPS and single beam echo sounders to record the data, using side scan sonar to identify underwater obstructions and using a magnetometer to sweep for pipelines and other ferrous metal debris. He has supervised field crews on many topographic and boundary surveys. His current and previous projects include, but not limited to:

Tudor and Tallulah Drainage Analysis *Jefferson Parish, Louisiana*
Mr. Langley was part of a team that provided topographic survey services and collected field data for the Tudor and Tallulah drainage project. This work included picking up horizontal and vertical data.

Canal No. 10 Underground Utility Locations, *Jefferson Parish, Louisiana*
Mr. Langley located underground utilities as marked by a Subsurface Utility Engineer and added to an existing topographic survey.

Lake Cataouatche Pump Station Topographic Survey, *Jefferson Parish, Louisiana*
Mr. Langley and his team prepared a topographic survey at the site of the current Lake Cataouatche pump station located on Churchill Farms. The survey area adjacent to the existing pump station will be the site for a new pump station under design. The survey included cross sections of the site and the adjacent canal along with the location of improvements in the project area.

TEC Professional Services Questionnaire

Woodvine Ditch Topographic Survey *Jefferson Parish, Louisiana*
Mr. Langley and his crew provided a topographic survey over the existing 54" RCP drain line followed the line from Nassau Drive south across the Metairie Country Club Golf course to its tie in point at Geisenheimer Canal. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, which included ties, sand traps and the raised greens that fell in the route.

Loumor Outfall Ditch Topographic Survey *Jefferson Parish, Louisiana*
Mr. Langley provided a topographic survey of the route that follows the 78" X 122" RCAP along the western edge of Metairie Country Club Golf course, then southeasterly and finally south to Geisenheimer Canal just north of Airline Highway. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, which included ties, sand traps and the raised greens that fell in the route.

40 Arpent Canal Levee Walk and Cycling Path and Pedestrian Bridge *St. Bernard Parish, Louisiana*
Mr. Langley assisted with the topographic survey along the 40 Arpent Levee in St. Bernard parish for the design of a walk and bike path. RTK GPS was used to locate improvement and take cross sections along the proposed survey route. The area surveyed began at the St. Bernard/Orleans parish line and continued southeasterly to Paris Road.

Alidore Drainage Study and Improvements *Lafourche Parish, Louisiana*
Mr. Langley led the field crew to provide a topographic survey to obtain an elevation data on culverts with pipe sizes and conditions, cross sections of ditches and canals for drainage study and design of a new pump station. Mr. Langley was the Party Chief for this effort. Party chief, ±71 Ac. Cost $20,000

Jean Lafitte Parkway Drainage Improvements *St. Bernard Parish, Louisiana*
Mr. Langley performed the boundary and topographic survey of Jean Lafitte Parkway from Judge Perez Drive to the Forty Arpent Canal for the design of much needed drainage improvements.

Reynes Street Topographic Survey, *New Orleans, Louisiana*
Mr. Langley led the field crew on a topographic survey of Reynes Street from South Claiborne Avenue to Florida Avenue in the City of New Orleans. This survey extended from right of way to right of way and was delivered on plan and profile sheets showing drainage and sewer and existing roadway conditions.

Bayou Terre Aux Bouefs Ridge Restoration Armoring *St. Bernard Parish, Louisiana*
Mr. Langley and his team provided the topographic and hydrographic survey data. The survey also included sections of Bayou Lery and Bayou Gentilly. Overbank cross sections and a hydrographic survey were conducted to aid in the design of bank armoring to help stem further erosion of the existing shoreline. Transects were also ran across approximately 10,000 acres of additional marshland. A magnetometer survey was also conducted to identify submerged pipelines.

Upper LA 45 Basin Tidal Surge Protection *Lafitte, Jefferson Parish, Louisiana*
Mr. Langley is currently working on a topographic survey of a proposed route for approximately three miles of new levee and floodwalls to provide protection against tidal surge in the upper area of Lafitte, Louisiana along LA Hwy. 45.

Breakwater Drive Improvements *New Orleans, Louisiana*
Mr. Langley was part of a team tasked to conduct a topographic survey for Breakwater Drive in New Orleans. As the Survey Party Chief, he assisted in identifying the scope of damaged elements inside the footprint of Breakwater Drive, while highlighting the facility's history and cultural significance, as well as its pre-storm conditions and full description. From this survey, All South identified additional facilities not directly within the footprint of the breakwater but that depend on it for protection (includes marinas, restaurants/vendors, housing, yacht clubs, a lighthouse, fishing piers, and more) and were able to provide cost estimates for the demolition and repairs of the damaged elements in the area.

RR017 and RR019 New Orleans Streets Topographic Surveys *New Orleans, Louisiana*
Mr. Langley was part of a field crew tasked to perform topographic surveys for full reconstruction street projects located in the Dixon area in the city of New Orleans. These surveys were prepared in accordance with the DPW 2015 Road Design Manual.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

William Lambert
Survey Party Chief

Project Assignment:

Survey Party Chief

Name of Firm with which associated:

All South Consulting Engineers, LLC

Years' experience with this Firm:

4

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Lambert joined All South Consulting Engineers, LLC in April of 2021. He has over 15 years of experience in land surveying and has served as an instrument man to a survey party chief. He has performed topographic surveys, right-of-way, ALTAs, as-builts, stakeouts, boundaries, and elevation certificates, using Leica robotic instrument and Trimble GPS. He has also performed construction layout using Trimble Robotics and GPS and served as a survey helper in industrial surveys.

LaFreniere Park Meadow Drainage Improvements *Jefferson Parish, Louisiana*
Mr. Lambert performed full topographic services including data collection and field crew supervision. This included establishing project control, creating a sketch of the site, and surveying the meadow area at the park. This work was used to analyze the existing drainage conditions of the park meadow area.

LAILD Lower Lafitte Drainage Improvements *Jefferson Parish, Louisiana*
Mr. Lambert has completed a full topographic survey of approximately 5500ft of streets for the purpose of improving the existing drainage in the area. This included establishing project control and temporary benchmarks and supervising the survey crew ensuring that the project was completed based on the scope of work in an efficient manner.

Marrero St. Pump Station *Jefferson Parish, Louisiana*
Mr. Lambert has completed a full topographic survey of the Marrero St. Pump Station for the purpose of making improvements to the pump station. This included establishing project control and temporary benchmarks and supervising the survey crew ensuring that the project was completed based on the scope of work in an efficient manner.

TEC Professional Services Questionnaire

Pines Village Road Reconstruction *New Orleans, Louisiana*
Mr. Lambert performed a full topographic survey of approximately 8800ft of roadway in New Orleans. This included overseeing the collection of all necessary field data within the right of way of the designated streets and keeping detailed field notes of the data being obtained. This project was done at the request of the city of New Orleans for the purpose of full depth reconstruction on these roadways.

Ascension Parish School Board Airline Highway Property Topographic Survey *Ascension Parish, Louisiana*
Mr. Lambert performed full topographic and boundary services including data collection, boundary services, and survey crew supervision. This included ensuring all required fieldwork was done in an efficient manner, establishing project control, creating a sketch of the site, and in accordance with the project scope of work. This survey was used in the design of a new building for the site, and to establish the western boundary to aid in tree clearing.

St. Bernard Parish Water Plant Drainage Improvements *St. Bernard Parish, Louisiana*
Mr. Lambert performed full topographic services including data collection and field crew supervision. This included establishing project control, creating a sketch of the site, and surveying the St. Bernard Parish Water Treatment Plant site. This work was used to analyze the existing drainage conditions of the St. Bernard Parish Water Treatment Plant.

St. Bernard Parish Canal Servitude Creation *St. Bernard Parish, Louisiana*
Mr. Lambert performed full boundary services including data collection and recovering boundary evidence along the selected canal in St. Bernard. This survey is intended to create servitudes over 9 different canals throughout St. Bernard Parish for the parish to go in and clean these canals of obstructions after a major storm event.

Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana*
Mr. Lambert performed full topographic services including data collection and field crew supervision. This included ensuring all required fieldwork was done in an efficient manner and in accordance with the project scope of work. This included establishing project control, creating a sketch of the site, and surveying the selected areas by the project manager.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Austin Bowman
Survey Technician

Project Assignment:

Survey Technician

Name of Firm with which associated:

All South Consulting Engineers, LLC

Years' experience with this Firm:

4

Education: Degree(s)/Year/Specialization:

A.A.S. HVAC NCCER Level Graduate/ 2020/ Nunez Community College

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Bowman joined All South Consulting Engineers, LLC in March of 2021 as a survey assistant. He received an Associate of Applied Science degree in HVAC NCCER Level from Nunez Community College in 2020. Since joining All-South, Mr. Bowman has assisted in full topographic and hydrographic surveys.

LaFreniere Park Meadow Drainage Improvements *Jefferson Parish, Louisiana (09/21)*
Mr. Bowman performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in collecting invert data on drainage structures throughout the project.

Slidell Pier and Breakwater Restoration *St. Tammany Parish, Louisiana*
Mr. Bowman performed full topographic and hydrographic services including assisting in data collection and maintenance of survey equipment. This included assisting establishing project control, collecting field data at the direction of the party chief, and assisting in setting up the hydrographic equipment needed to complete the survey. This work was used to aid in the design of a new boat launch and breakwater at the Slidell Fishing Pier site.

Hill Heights Eastern Canal Topographic Survey *St. Charles Parish, Louisiana*
Mr. Bowman performed full topographic and boundary services including assisting in data collection and maintenance of survey equipment. This included assisting the party chief in locating boundary evidence along the project site and collecting field data at the direction of the party chief. This work was used to analyze the existing conditions of the collapsed bulkhead along the canal.

Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana*
Mr. Bowman performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in surveying the streets and drainage structures along the specified routes.

Des Allemands Bulkhead Improvements *St. Charles Parish, Louisiana*
Mr. Bowman performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in surveying the existing bulkhead and street adjacent to it. This project was intended to assist in the design of a new bulkhead along Bayou Des Allemands.

Westside Blvd (W.Park-Alma) *Houma, Louisiana*
Mr. Bowman assisted in the completion of a full topographic survey along Westside Blvd in Houma from W.Park Ave to Alma St. This included assisting the Survey Party Chief in collecting field data inside the right of way of Westside Blvd. This project was done at the request of the Terrebonne Parish Government for the purpose of replacing the existing roadside drainage.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Clark Shires
Survey Technician

Project Assignment:

Survey Technician

Name of Firm with which associated:

All South Consulting Engineers, LLC

Years' experience with this Firm:

6

Education: Degree(s)/Year/Specialization:

Bachelor of Science, Business Administration, 2018

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Shires joined All South Consulting Engineers in September 2018 as a full time Survey Assistant. Mr. Shires graduated in May 2018 from the University of New Orleans with a bachelor's degree in Business Administration. His duties include assisting the Survey Crew Leader as necessary to perform collection of all survey data in the field.

LaFreniere Park Meadow Drainage Improvements *Jefferson Parish, Louisiana*
Mr. Shires performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in collecting invert data on drainage structures throughout the project.

Pines Village Road Reconstruction *New Orleans, Louisiana*
Mr. Shires performed a full topographic survey of approximately 8800ft of roadway in New Orleans. This included assisting in the collection of all necessary field data within the right of way of the designated streets and assisting in collecting invert information on all drainage and sewer structures along the survey route. This project was done at the request of the city of New Orleans for the purpose of full depth reconstruction on these roadways.

St. Bernard Parish Water Plant Drainage Improvements *St. Bernard Parish, Louisiana*
Mr. Shires performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in collecting invert data on drainage structures throughout the project.

Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana*
Mr. Shires performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in surveying the streets and drainage structures along the specified routes.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Scott Breidenstein
CADD Technician

Project Assignment:

CADD Technician / Draftsman

Name of Firm with which associated:

All South Consulting Engineers, LLC

Years' experience with this Firm:

3

Education: Degree(s)/Year/Specialization:

Technical Diploma / 2020

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Breidenstein joined the All South team in 2019. His experience includes AutoCAD C3D which he utilizes in survey and design projects that include topographic, boundary, route corridor surveys, hydrographic surveys, ALTAs, field data input, plan and profile sheets, import/export of survey points, proposed design corridors, and volume calculations. Mr. Breidenstein coordinates with field crews, drafters, engineers, and clients to generate AutoCAD C3D drawings and plan sheet sets from the beginning of a project to final stamped plans.

Old Arabi Drainage *St. Bernard, Louisiana*
Mr. Breidenstein prepared proposed design drawings for the clearing and dredging of existing canals and the construction of drainage structures. The project involved replacing culverts, ditch re-grading, and dredge operations. Site plans provided by Mr. Breidenstein were used to design improved drainage for the surrounding area.

Canal A Drainage Improvements, *New Sarpy/St. Charles Parish, Louisiana*
Mr. Breidenstein prepared the design plans for the Canal A drainage improvement project. The project was approximately ±1800 LF, it consisted of replacing an existing arch culvert with two cast in place box culverts, roadway reconstruction and multiple cantilevered sheet pile wall systems. Mr. Breidenstein created a C3D model showing the proposed canal depth for volume calculations. Three separate concrete flume walls were drawn and detailed as well. Mr. Breidenstein assisted the project engineer in completing the proposed plan set and reconstructed roadway design.

Russell St Pump Station *River Ridge, Louisiana*
Mr. Breidenstein prepared proposed location of a new pump station to be installed by Ralph J. Bunche Elementary School (Russell St. Pump Station) in Jefferson Parish, Louisiana. These plans included an overall site plan, plan view and

a typical section. Coordination with the project engineer to properly show the existing utilities, railroad and rights-of-way was very important in this project.

Alidore Drainage Improvements *Raceland, Louisiana*
Mr. Breidenstein prepared topographic and right-of-way drawings for the construction of a new drainage pumping station. The project involved a levee re-alignment, ditch re-grading and research into the BNSF railroad right-of-way. Site plans provided by Mr. Breidenstein were used to design better drainage for the surrounding area and proved to be more economical.

Westside-Alma Drainage Project (Alma-West Park) *Houma, Louisiana*
This project consists of roadside drainage improvements in an area of the city of Houma, LA. Mr. Breidenstein assisted in the topographic survey and prepared the proposed design plans for the improvements to the existing drainage system. Mr. Breidenstein modeled in detail the hydrologic components of the project area using CAD and provided profiles and cross sections that were utilized in the design process.

Lake Vista *New Orleans, Louisiana*
Mr. Breidenstein prepared survey baseline drawings, topographic plan sheets and profiles depicting the existing underground utilities for the streets in the Lake Vista project. These surveys depicted the elevations of the streets to show centerline and gutter line profiles, the surface created showed the many imperfections and potholing in the streets. Utility information was researched and observed to show the areas in need of repair or replacement of major drainage, sewer and water lines. Also included were right-of-way lines, apparent lot lines, 3D surface, and cross sections. Mr. Breidenstein was also involved in the design phase of this project. Coordinating with engineers and subconsultants to prepare drawings depicting the proposed new roadway, elevations, cross sections, new subsurface drainage, sewerage and water for approximately 4900' of roadway and sidewalks. This project also conformed to Orleans Parish DPW standards.

Breakwater Drive Improvements *New Orleans, Louisiana*
Mr. Breidenstein prepared survey maps along Breakwater Drive, from its intersection with N. Roadway Street to its termination at the point. Baseline maps, plan, profile and cross sections were provided to show the existing berms and existing topography of the site. FEMA and CORP permit drawings were also provided in this project. Shown in the plans were horizontal and vertical location of existing berms and proposed berms. Mr. Breidenstein assisted the project engineer in creation of the new west, north, south and the point berms. Proposed berm plan and profile sheets with cross sections showing proposed work were also created by Mr. Breidenstein.

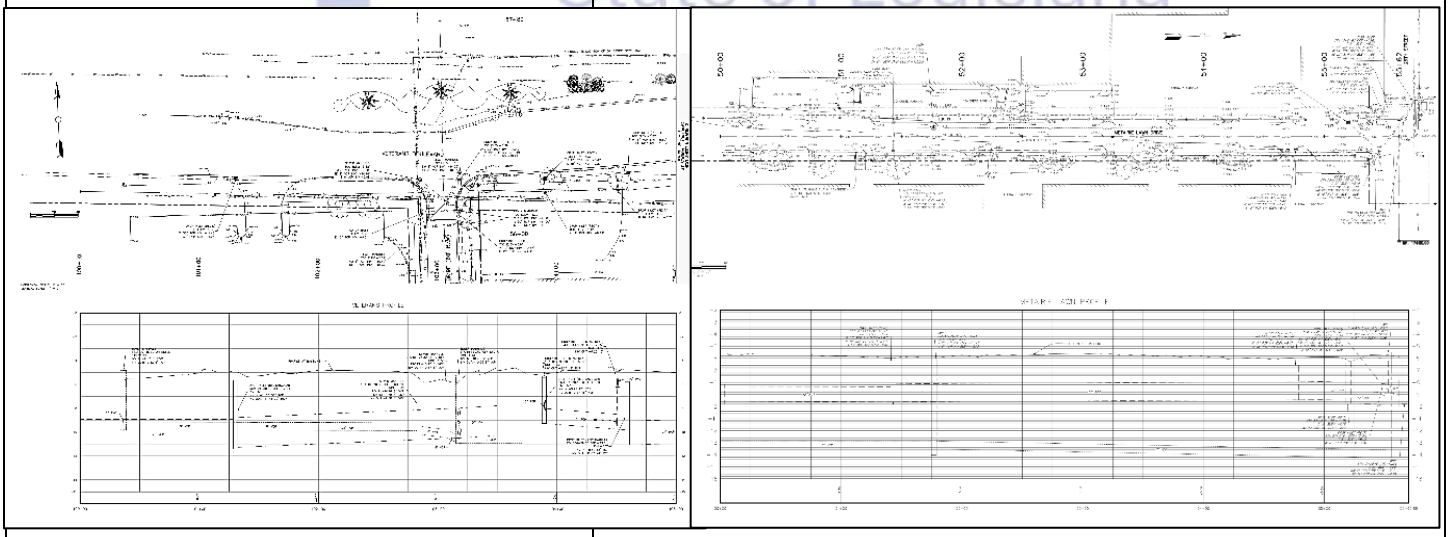
RR016 New Orleans Streets Topographic Surveys *New Orleans, Louisiana*
Mr. Breidenstein prepared survey baseline drawings, topographic plan sheets and profiles depicting the existing underground utilities for the streets in this project submittal. These surveys depicted the elevations of the streets to show centerline and gutter line profiles, the surface created showed the many imperfections and potholing in the streets. Utility information was researched and observed to show the areas in need of repair or replacement of major drainage, sewer and water lines. Also included were right-of-way lines, apparent lot lines, 3D surface, and cross sections. This project also conformed to Orleans Parish DPW standards.

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.

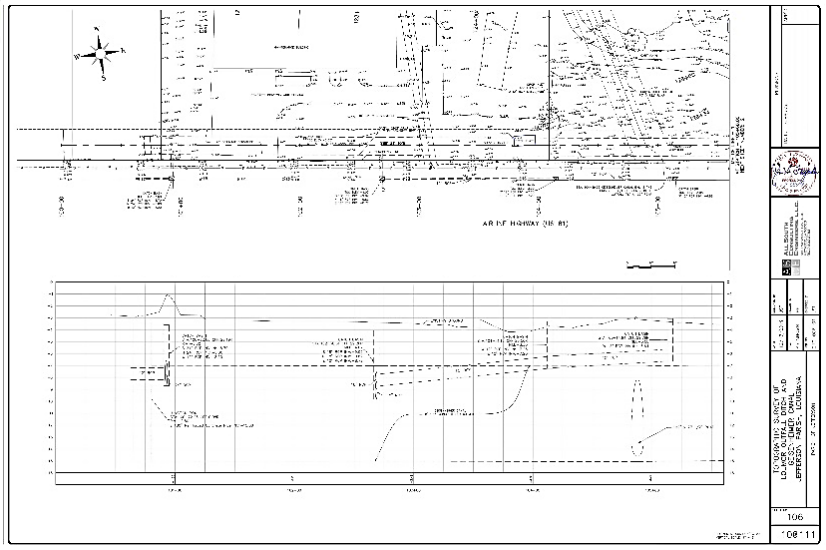
PROJECT NO. 1

Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**
Metairie Lawn Drainage Improvements **Topographic Survey** *Metairie, Louisiana* Mr. Joseph R. Becker, P.E. Ardurra 3012 26th Street Metairie, Louisiana 70002 Mr. Neil Schneider, P.E. Director of Capital Projects 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753	All South provided a topographic survey from ±500 feet south of the intersection of Metairie Lawn Drive and 26th Street and from that intersection heading west along 26th Street to the intersection of 26th Street and Ridgelake Drive and then north along Ridgelake Drive to its intersection with Veterans Boulevard. On Veterans Boulevard the survey will begin on the west side of the Perino's Nursery driveway to the U-turn on the west side of Clifford Drive. This was a full topographic survey from right of way to right of way with cross sections taken at 50-foot intervals and shots along the centerline of streets taken at 25-foot intervals. The survey also included the location of above and below ground utilities. For the sewer and drainage utilities we provided top of casting elevations, invert elevations, pipe sizes, and pipe material. The deliverables for this project included plan and profile sheets and cross section sheets.

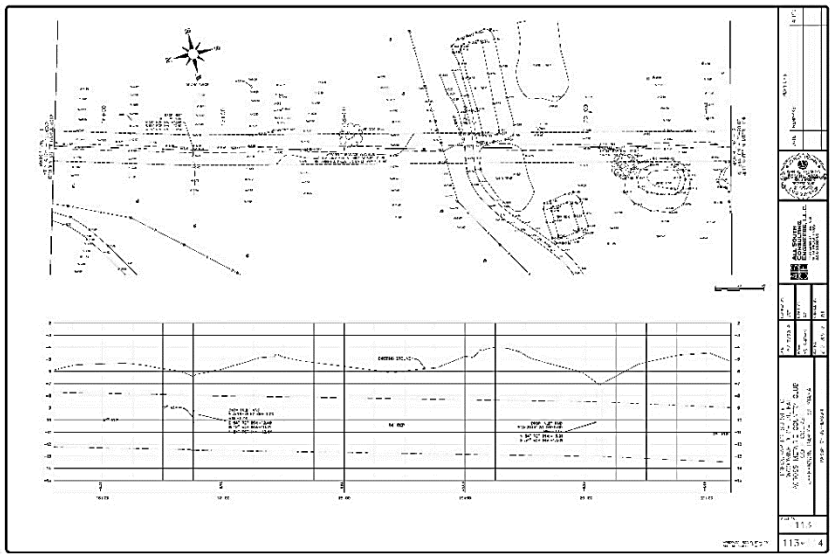


Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Entire Project:**
August 2021	N/A	Survey Cost: $25,460

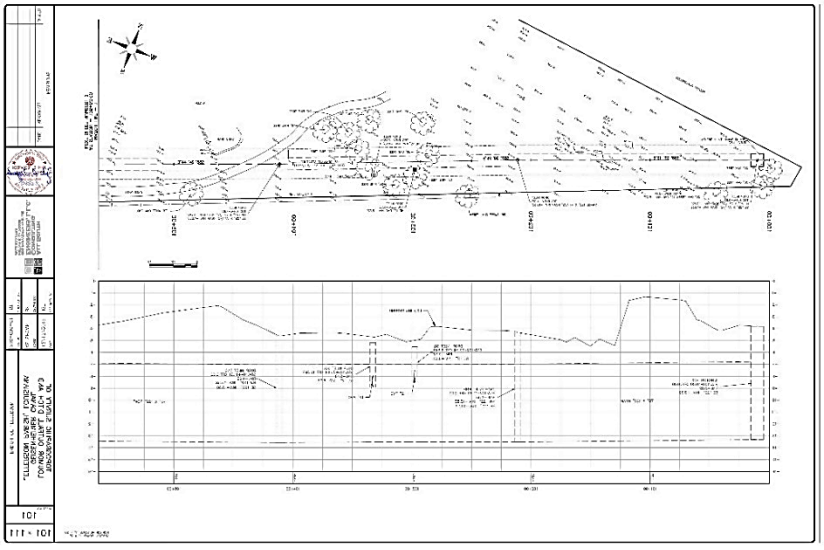
TEC Professional Services Questionnaire

PROJECT NO. 2			
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**		
Geisenheimer Canal Topographic Survey *Jefferson Parish, Louisiana* Jefferson Parish Government Mr. Neil Schneider, P.E. Director of Capital Projects 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753	This survey was prepared to provide the field data necessary to design drainage improvements for the Geisenheimer Canal which flows to Hoey's Canal and from there to 17th Street Canal and Lake Pontchartrain. In order to accomplish this, we prepared a topographic survey of the surface area above Geisenheimer Canal from the maintenance facility for the Metairie Country Club to the tie in point at Hoey's Canal. For this route we located all surface improvements, visible signs of utilities, trees with size and species and cross sections at 50' intervals. We were able to locate the underground concrete box canal by accessing it through an access cover where we set a control point in the bottom of the box, we then located the sides and roof and the tie in point for the concrete arch pipe outfall for the Loumor Ditch. From a drop inlet cover near the Woodvine Ditch outfall we located the outfall and determined the invert. This was verified by probing the outfall pipe at the edge of the box. At Hoey's Canal we probed the top of the Geisenheimer Canal box and the Hoey's Canal box to determine the point of intersection. The deliverable for this survey were plan and profile drawings of Geisenheimer Canal which were included in a master set with Loumor Ditch and Woodvine Ditch. 		
Completion Date (Actual or estimated):	**Estimated Cost:**		
	Entire Project:	**Work for which Firm was Responsible:**	
February 2020	N/A	Survey Cost: $25,920	

TEC Professional Services Questionnaire

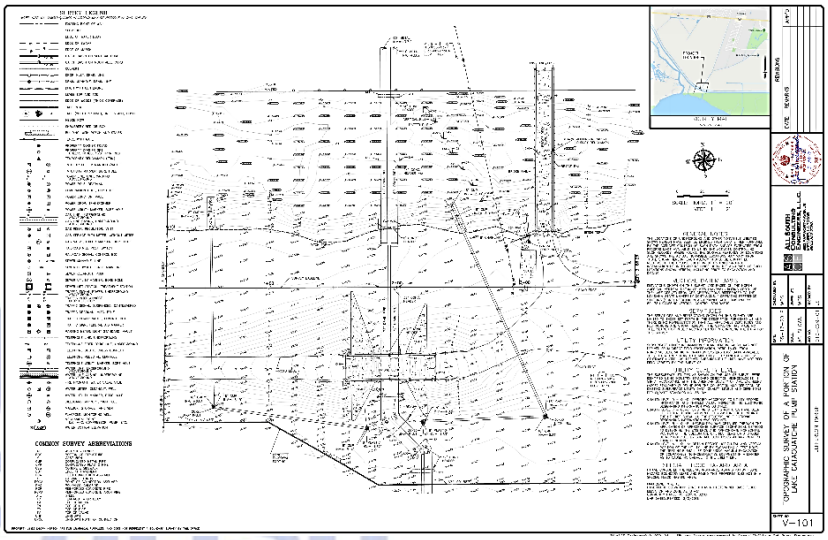
PROJECT NO. 3		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Woodvine Ditch Topographic Survey *Jefferson Parish, Louisiana* Jefferson Parish Government Mr. Neil Schneider, P.E. Director of Capital Projects 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753	This survey is for drainage improvements to the Woodvine Ditch beginning at the western right of way of Nassau Drive and following the drain line west-southwesterly across the parking lot that lies on the north side of the swimming pools and tennis courts to the eastern side of the golf course where the drain line turns in a southerly direction and heads south-southwest to its discharge point into Geisenheimer Canal at the north right of way of Airline Highway. The topographic survey over the existing 54" RCP drain line followed the line from Nassau Drive south across the Metairie Country Club Golf course to its tie in point at Geisenheimer Canal. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, which included ties, sand traps and the raised greens that fell in the route. Deliverables were plan and profile sheets that were included with the master set of Loumor Ditch Outfall, Geisenheimer Canal and Woodvine Ditch. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
February 2020	N/A	Survey Cost: $16,720

TEC Professional Services Questionnaire

PROJECT NO. 4	
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**
Loumor Outfall Ditch Topographic Survey *Jefferson Parish, Louisiana* Mr. Neil Schneider, P.E. Director of Capital Projects 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753	This survey is for drainage improvements to the Loumor Outfall Ditch beginning at the southwest corner of Pontiff Playground and running southeast then turning in a south-southwesterly direction along the northern and western boundary of Metairie Club Estates Subdivision to its discharge point into Geisenheimer Canal and the north right of way of Airline Highway. This survey route follows the 78" X 122" RCAP along the western edge of Metairie Country Club Golf course, then southeasterly and finally south to Geisenheimer Canal just north of Airline Highway. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, which included ties, sand traps and the raised greens that fell in the route. We also located the maintenance facility for the golf course, ponds and a pump house that were near the drain route. Deliverables for this project were plan and profile sheets that were included with the master set of Loumor Ditch Outfall, Geisenheimer Canal and Woodvine Ditch. 

Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
February 2020	N/A	Survey Cost: $19,340

TEC Professional Services Questionnaire

PROJECT NO. 5	
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**
Lake Cataouatche Pump Station Topographic Survey *Jefferson Parish, Louisiana* Jefferson Parish Drainage Department Jefferson Parish Government Mitchell T. Theriot, P.E., Director of Drainage 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753	All South prepared a topographic survey at the site of the proposed pump station on the northern shore of Lake Cataouatche. The new site lies south of the existing pump station and just north of the flood wall. The survey included cross sections of the proposed site and adjacent canal, location of improvements, the existing discharge pipes, roadways and the floodwall. 

Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
May 2019	N/A	Survey Cost: $4,495

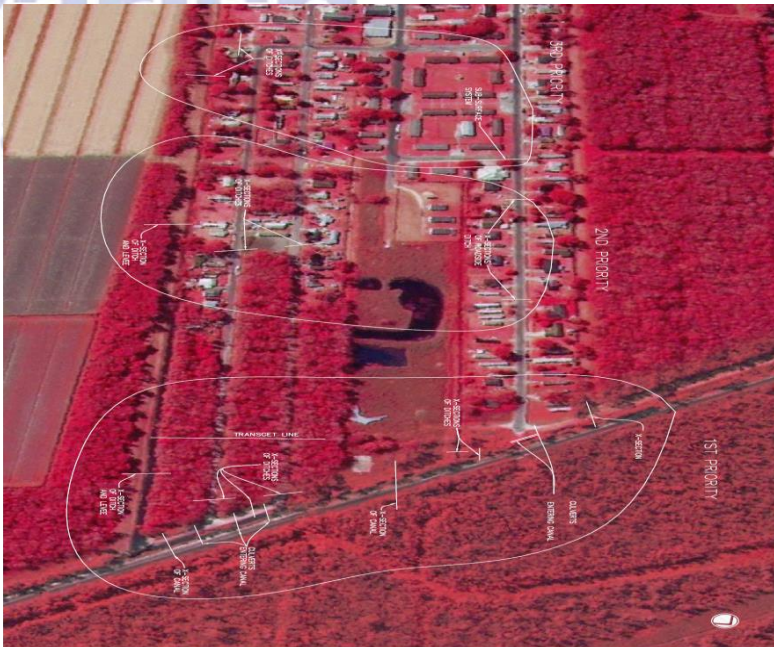
TEC Professional Services Questionnaire

PROJECT NO. 6

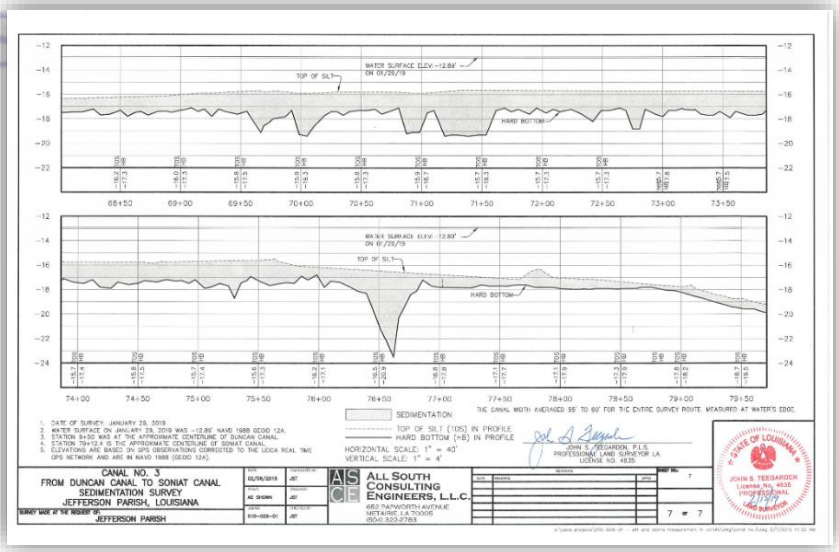
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Tudor and Tallulah Drainage Improvements, *Jefferson Parish, Louisiana* Jefferson Parish Government Neil Schneider, Capital Projects 1221 Elmwood Park Blvd. Jefferson, Louisiana 70123 (504) 736-6500  	All South was selected by Jefferson Parish to analyze the drainage requirements in this project area. The goal of this analysis is to provide a master plan that will result in no street flooding due to the 10-yr, 24-hr rainfall event. This report includes the study results, drainage recommendations and cost estimate with recommended phasing. The Tudor and Tallulah project area is located in River Ridge, Louisiana and includes Caroline Street, Tudor Avenue, Tallulah Avenue, Russell Street, Stephen Drive and South Lester Avenue from the Mississippi River to Canal #6 and from Florida Avenue to Soniat Canal. This area is located in Jefferson Parish and regularly experiences significant street flooding within the project area. All South performed a hydrologic and hydraulic analysis on each drainage area to examine the existing drainage patterns. Existing topography, culvert sizes and slopes were used to determine the adequacy of the existing system. A 10-year storm event with a rainfall of 7.8 inches in a 24-hour period was used to analyze each system. Peak flows were determined using the EPA SWMM method. Using the same design storm and criteria, an analysis of the required drainage capacity was also performed to help identify improvements. All South provided the study and recommendations with cost analysis to improve the systems. As a result of this report, All South was tasks with the permitting, design and construction management of increased capacity collection system, new pumping station, and out fall system. Collection system improvements include the removal 1,000 feet of 54" reinforced concrete pipe and installation of new 72" RC P. This process involves the relocation of several utilities and the design of concrete conflict box. This 72" RCP will be installed within a 96" steel Pipe jack and bored under an existing CN Railroad track. As part of the permit, All South will design a cofferdam system for approval by CN Railroad. The new pumping station will have a 165 CFS capacity, generated with three vertical mixed flow pumps with controls. The out fall will consist of 36" steel pipes out falling into an existing drainage canal. The existing drainage canal will be outfitted with new concrete headwalls and bottom slab to prevent erosion. As part of this project All South's survey crews collected data on existing drainage structures along the CN Railroad right of way.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was Responsible:**
July 2017	$260,000	Survey Fee: $60,000

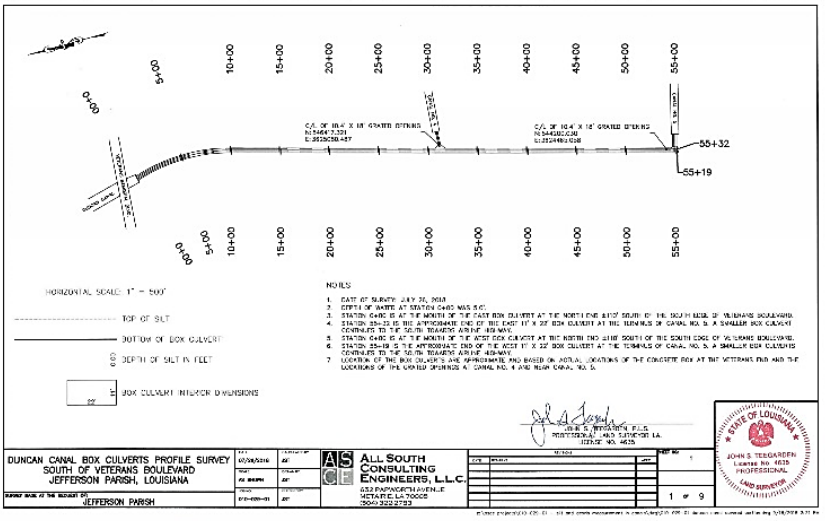
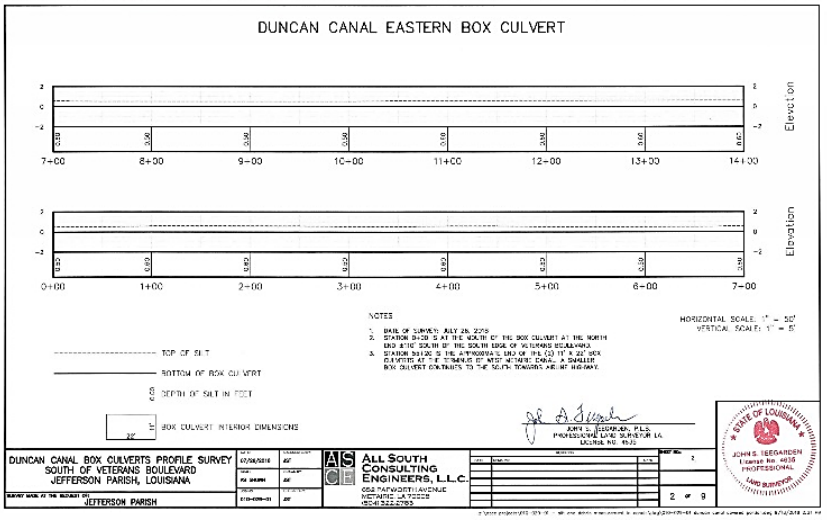
TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Alidore Drainage Improvements and Statewide Flood Control *Lafourche Parish, Louisiana* Lafourche Parish Government James Barnes Public Works Director P.O. Box 425 Mathew, LA 70375 (985) 532-8235	The Lafourche Parish Government asked All South to develop a drainage plan to improve drainage in the Alidore community. This community, which is over 30 years old, consists of small lots, and very tight drainage and utility features. In order to properly plan these improvements, All South conducted a topographic survey of this area for this project. This survey included cross sections of the roadside ditches, location of drainage culverts and drop inlets, and hydrographic surveys using GPS of the main drainage canals that bordered the survey area. The survey data was used to create a model of the area to be used in sizing the pumps for a new pumping station. **Surveying Services:** • Topographic Survey • Hydrographic Survey • Courthouse Research • Research Courthouse Records to establish right of way for drainage, pipeline and railroads • Prepared Right of Way Plat for new pump station  	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
July 2020	$3,230,645	Survey Fee: $15,000

TEC Professional Services Questionnaire

PROJECT NO. 8	
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**
Jefferson Parish Canal Sedimentation and Debris Surveys *Jefferson Parish, Louisiana* Jefferson Parish Government Mitchell T. Theriot, P.E., Director of Drainage 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753	 All South is performing hydrographic surveys of selected drainage canals and box culverts in the Jefferson Parish Drainage System. The purpose of these surveys is to monitor the amount of sediment accumulating in the drainage system. All South utilizes its Z-Boat (a 6-foot long remotely controlled hydrographic survey boat) to perform these surveys. The Z-Boat is equipped with a single beam dual frequency echo sounder capable of defining the amount of sediment accumulating in the canals and drainage structures. This is accomplished by using two frequency during the survey. The high frequency sound waves are reflected by the top of the sediment layer and the low frequency sound waves penetrate the sediment and are reflected by the solid bottom. These surveys are presented as profiles and show the top of sediment elevations and the elevation of the solid bottom. 
Completion Date (Actual or estimated):	**Estimated Cost:**
	Entire Project: / **Work for which Firm was Responsible:**
Project is Ongoing by Task Assignments	N/A / Survey Cost: $75,000

TEC Professional Services Questionnaire

PROJECT NO. 9	
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**
Duncan Canal Box Culverts *Kenner, Louisiana* Jefferson Parish Government Mitchell T. Theriot, P.E., Director of Drainage 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753	All South was tasked with providing a survey to show the depth of silt that has accumulated within the 11' x 22' box culverts that start south of Veterans Boulevard to a point south of the intersection with Canal No. 5 (West Metairie Avenue) and the end of the double box culvert. All South's remotely controlled boat was utilized with a dual frequency echosounder to obtain depths to the top of silt and the concrete bottom of the box culvert. The deliverable for this project was a report of the survey results and plotted profile sheets prepared for each box.  
Completion Date (Actual or estimated):	**Estimated Cost:**
	Entire Project: / **Work for which Firm was Responsible:**
September 2018	N/A / Survey Cost: $11,000

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Breakwater Drive Improvements *New Orleans, Louisiana* City of New Orleans 1300 Perdido Street New Orleans, LA 70112 (504) 658-8000 	All South conducted a topographic survey that included cross sections of the existing rock jetty and extending inward to the far edge of Breakwater Drive, location of existing utilities and improvements. Standard hydrographic soundings were obtained within Lake Pontchartrain bordering Breakwater Drive and extending into the harbor. Side scan sonar imaging was also performed on the Lake side to assist in the location of submerged dolphins, pilings, existing boat ramps, the extent of the rock jetties and any other encumbrance that couldn't otherwise be located with standard soundings. A georeferenced 3D image was also generated for easy readability of said submerged objects. It was also used to determine the condition of the boat ramps and concrete break-wall 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
September 2020	$5,924,000	Survey Cost: $649,000

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. IMC Construction	**Jefferson Parish**	**Result:** ***Settled*** *Filed 2019, Settled 2024* Industrial & Mechanical Contractors, Inc., vs. Parish of Jefferson, et al. – Indemnification – Bellemeade at Ginette, Third Party demand of indemnification on sewer pump station, IMC sued Jefferson Parish for breach of contract, Jefferson Parish named All South for indemnification
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

All South Consulting Engineers, LLC is a Limited Liability Company owned by Timothy Bonura, Jens J. Nielsen Jr., and Stephen Smith. Established in May 2004, All South is a multi-disciplinary firm that provides Civil and Structural Engineering, Land and Hydrographic Surveying, Program and Grant Management, Construction Administration and Inspection, and Disaster Management to federal, state, and municipal agencies, as well as private clients throughout the Gulf Coast.

» PROFESSIONAL TRAINING AND EXPERIENCE «

All South Consulting Engineers, LLC is a Louisiana Licensed multi-disciplinary firm that provides Civil and Structural Engineering, , Land and Hydrographic Surveying, Construction Administration, and Resident Inspection Services. *(LA Engineering License No. EF.0003140; LA Survey License No. VF.0000730)* All South offers outstanding surveying services from leading professionals, including our Professional Land Surveyor. As Vice President and Survey Division Manager, Mr. John S. Teegarden, PLS has extensive experience in all aspects of land surveying which he has acquired over his 30-year career.

The resumes included in Section K of the SOQ provide a clear illustration of the qualifications, experience, and expertise of our proposed staff. Our team of Professional Land Surveyors, Land Survey Interns, Survey Party Chief, and Survey Technicians Inspectors obtain professional qualifications that allow for satisfactory work, which cumulatively include:

- ✓ ATSSA Traffic Control Supervisor
- ✓ ATSSA Traffic Control Technician
- ✓ ATSSA Traffic Control Flagger
- ✓ OSHA Heat Illness Prevention for Workers in General Industry
- ✓ Transportation Worker Identification Credential

TEC Professional Services Questionnaire

SURVEYING CAPABILITIES

All South's Surveying Division has a client list that includes the following parishes, municipal and state organizations: Jefferson Parish, Plaquemines Parish, St. Bernard Parish, Orleans Parish, St. Tammany Parish, Lafourche Parish, Terrebonne Parish, East Baton Rouge Parish, Livingston Parish, Ascension Parish, Coastal Protection and Restoration Authority, City of Gretna and City of Slidell. Projects range from topographic surveys for design of new facilities and infrastructure to bathymetric surveys for coastal restoration and drainage maintenance. All South Firm capabilities and services include but are not limited to the following:

✓ Boundary/ALTA-NSPS Survey	✓ Elevation Survey	✓ Hydrographic Survey
✓ Construction Survey	✓ Expert Witness	✓ Pipeline Survey
✓ Control Survey	✓ GIS Data Acquisition	✓ Topographic Survey
✓ Data Processing	✓ HDS Laser Scanning	✓ Right of Way

All South possesses the staff and capability to offer licensed surveying services, including land and hydrographic survey services. Our land survey crews have completed multiple coastal and flood protection relation projects through the pre-site survey, setting project control points, dredging and borrow quantity measurement, and as-built surveys.

All South is also a leading provider of hydrographic surveying services. We are experienced with single-beam, multi-beam, and side-scan sonar surveys and efficiently process hydrographic data with HYPACK software. Our 26' survey vessel is outfitted with a dual-frequency echosounder to take on large hydro projects. The 6' Z-Boat remote survey boat allows us to access sites where a manned boat can't be used.

EQUIPMENT & SOFTWARE:

- GPS (Global Positioning System)
- Leica GS-14 GPS Receivers
- AutoCAD Stations Civil 3D, Microstation, InRoads, CadConform
- 26' Scully Aluminum Boat with Dual 150 HP motors
- 14' Aluminum Flat Boat
- 6' Z-boat, remotely operated hydrographic survey boat
- Odom Hydrographic CV100 dual frequency Echosounde
- Tritech Starfish 990F side scan sonar
- Getac X500 Laptop with Hypack Hydrographic Software
- G-882 Magnetometer
- Four wheel off road vehicles / marsh buggies
- Hypack – Hydrographic software
- LEICA Geo – GPS Software

» SIZE OF FIRM «

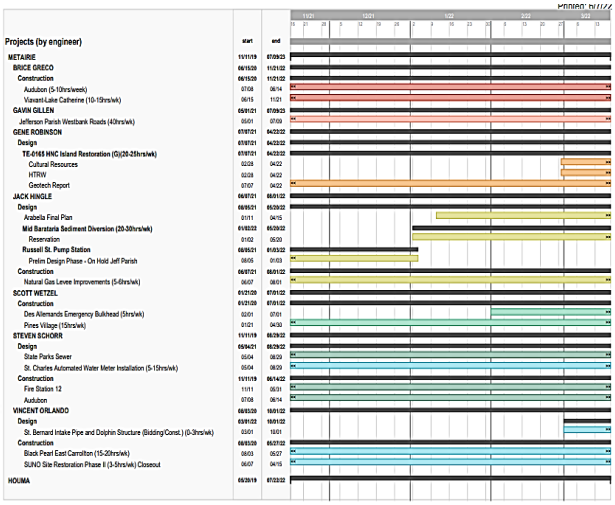
The All South staff includes 78 professionals driven to excellence and focused on our clients' needs. We are made up of 14 Louisiana Licensed Professional Engineers, 8 Engineering Interns, **2 Professional Land Surveyors, 2 Survey Party Chiefs, and 3 Survey Technicians.** Our staff also includes program managers, CADD technicians/draftsmen, grant specialist, field monitors and administrative support staff, all of which provide years of experience to help ensure that our work is exceptional.

TEC Professional Services Questionnaire

» CAPACITY FOR TIMELY COMPLETION «

With over 70 employees and ample resources, All South has more than enough capacity to meet any deadlines that the Parish requests. Our team is committed to and capable of meeting all schedules and deadlines that the Parish requests to ensure timely completion of all projects.

Additionally, we will utilize Team Gantt software for this project as a means of communication and accountability between consultants and Parish personnel. Team Gantt is an excellent project management tool designed to help create, manage, and finish projects on time and on budget. This software allows us to change start and end dates, reorder tasks, and adjust timelines seamlessly. It allows us to see every project update and document on a single page and quickly share them with both internal and external stakeholders. Team Gantt allows us to effectively manage resources, stay on budget, and ensure everyone is working but not overloaded. We can compare the original timeline projection with the actual timeline of the project with a baseline report. Parish personnel will be issued access to Team Gantt, so they can remain updated on the progress of the project at their own convenience.



All South takes pride in the quality control taken to ensure our survey and management practices account for accuracy, schedule, and costs for every project. If selected, All South will implement our quality control and assurance principles to Jefferson Parish projects through our qualified staff, innovative scheduling and surveying software, and innovative practices to control cost.

» PAST PERFORMANCE «

Over the past 21 years, All South has developed an outstanding reputation as one of the Gulf South's leading Engineering and Surveying firms. Aside from our technical experience, which is displayed throughout this proposal, All South stands out amongst competitors because of our unrivaled devotion to our clients and ability to meet their needs.

Our past performance within Jefferson Parish has given us a keen and nuanced understanding of the inner working of the various Parish departments, as well as the likings and needs of the Parish as a whole.

Our background has bred a sense of commitment, comradery, and the willingness to fight for our clients through every phase of a project. The satisfaction expressed by our clients can be directly accredited to not only our ability to deliver exceptional work that meets all contractual, time, and budgetary obligations, but also the genuine and lasting relationships we build throughout the process. As a direct result, our clients continue to choose All South. We believe this trend speaks very highly to our staff, our commitment, and our results. The staff members included in this proposal will employ these same levels of client devotion and satisfaction to Jefferson Parish.

» LOCATION OF THE PRINCIPAL OFFICE «

All South's home office is located at 652 Papworth Avenue, Metairie, Louisiana 70005.

» ADVERSARIAL LEGAL PROCEEDINGS «

Please refer to section M of this TEC Questionnaire.

TEC Professional Services Questionnaire

» PRIOR SUCCESSFUL COMPLETION «

Please refer to the project descriptions listed above to see All South's prior successful completion of similar projects, as well as their respective verifiable references.

All South has maintained a strong and successful working relationship with Jefferson Parish since 2004 and has continuously received positive feedback from Parish officials and personnel. We have completed several successful surveying projects for Jefferson Parish and look forward to continuing this great relationship.

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature: John S. Teegarden **Print Name:** John S. Teegarden, P.L.S.

Title: Vice President/ Survey Division Manager **Date:** March 6, 2025

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

Name:	Public Address:
All South Consulting Engineers, LLC	652 Papworth Avenue Metairie, Louisiana

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000730	Active	12/02/2014	03/31/2025	Mr. John S. Teegarden # PLS.0004635

Established in 1986, G.E.C., Inc. (GEC) is a Louisiana-based engineering consulting firm of national prominence.

GEC employs a talented staff of engineers, planners, economists, environmental specialists, and technicians dedicated to delivering quality services as an industry leader.

G.E.C., INC.

8282 GOODWOOD BLVD., BATON ROUGE, LOUISIANA 70806

3501 N. CAUSEWAY BLVD., STE 210 METAIRIE, LOUISIANA 70002