

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

A. PROJECT NAME AND ADVERTISEMENT RESOLUTION NUMBER:

Professional Mechanical and Electrical Engineering Services on an As-Needed Basis
(Resolution No. 141493 | SOQ 23-007)

B. FIRM NAME & ADDRESS:

G.E.C., Inc. (GEC)
3445 N. Causeway Blvd., Suite 707
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 & Environmental 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 & Computer Engineer No. 35993 (2011)

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

<u>14</u> Administrative	<u>**</u> Estimators	<u>***</u> Specification Writers
<u>0</u> Architects (Licensed)	<u>0</u> Geologists	<u>8</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>2</u> Graduate Engineers
<u>25*</u> Civil Engineers	<u>0</u> Interior Designers	<u>2</u> Project Managers
<u>21</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>0</u> Clerical
<u>8</u> Ecologists	<u>0</u> Land Surveyor	<u>0</u> Grant/Funding Specialist
<u>3</u> Electrical Engineers	<u>1</u> Mechanical Engineers	<u>****</u> Sanitary Engineers
<u>11</u> Engineer Intern	<u>4</u> Environmental Engineers	<u>31</u> Other
<u>0</u> Professional Land Surveyors	<u>1</u> Urban Planner	

*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

131 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):
Infinity Engineering Consultants, LLC 4001 Division St. Metairie, LA 70002	Mechanical Engineering	Yes
Bryant Hammett & Associates, LLC 1104 Dealers Avenue Harahan, LA 70123	Survey	No
Gulf South Engineering and Testing, Inc. 15 Veterans Memorial Boulevard Kenner LA 70062	Geotechnical Services	Yes

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

9 (enclosed personnel will be available for this project; additional individuals to be assigned as needed)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROFESSIONAL IN CHARGE OF PROJECT:

NAME & TITLE:

MICKEY PRATTINI JR., PE, Electrical Engineer

PROJECT ASSIGNMENT:

Project Manager

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

7 (18 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 more than 18 years of electrical design experience includes wastewater treatment facilities and lift stations, multiple pump motor installations in hazardous (classified) locations, generator installation projects, lighting, and multiple government (municipal and transportation) projects. Mr. Prattini is experienced with NFPA standards required by electrical projects and is capable of completing the design and project management related tasks required for this project. He 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

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: Slidell, 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)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

MICKEY PRATTINI JR., PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

RETAINER NO. 44-2746, T.O. H.012469, US 190 MISSISSIPPI RIVER BRIDGE – NAVIGATION LIGHT REPLACEMENT: Baton Rouge, LA. Quality Control: Mr. Prattini performed Quality Control for this project. Project makeup consists of the following types of roadway lighting standards: navigation and aviation lighting. GEC provided design services only under this contract. (02/17 – 02/17)

H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Engineer of Record: Mr. Prattini has provided photometric and lighting design review and quality control review for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build Project. (02/20-Present)

H.004100.5 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: West and East Baton Rouge Parishes, LA. Electrical Engineer of Record: 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. Mr. Prattini is overseeing the roadway lighting and enhancement lighting design. Project includes aesthetic lighting at the City Park Lake Bridge and emphasizes the Greenway Path from the Expressway Park to the Bridge. (09/20-Present)

GNOEC, REPLACE THE DMS: St. Tammany and Jefferson Parishes, LA. Electrical Engineer of Record: The project provided for the removal and replacement of 15 Dynamic Messaging Sign (DMS) installations on the Lake Pontchartrain Causeway Bridge and approach roadway systems. Over 5,000' of fiber and 15,000' of underground conduit was installed to upgrade GNOEC's Northshore communications infrastructure. GEC identified unique opportunities to introduce system improvements for updating the traffic management system (hardware and software) placed on the overhead truss installed for the

toll collection system. GEC identified unique opportunities to introduce system improvements that would have a direct impact on traffic management and the on-going effort to provide dynamic solutions. (06/15 – 09/18)

COVINGTON COUNTRY CLUB SEWER REHAB: Covington, LA. Construction Manager. GEC serves as the Consulting Engineer for the St. Tammany Parish Sewerage District No. 1 (District). The project was located in Covington Country Club Estates and consisted of CCTV existing sewer lines, performing CCIP lining in several lines, sewer point repairs, smoke testing, manhole rehabilitation, installation of two sewer force mains and the installation of a new sewer lift station. GEC completed the design and Mr. Prattini was involved in the electrical design of a new sewer lift station. (2021)

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, 450K WWTP EXPANSION, AND WATER WELL NO 2 PROJECT.: Slidell, LA. Electrical Engineer of Record - Mr. Prattini designed the power distribution system for multiple WWTP expansion projects and a water well expansion project. Projects included power distribution, generator standby, area lighting, and construction support services. (2018 - 2021)

STANDBY GENERATORS AT PARISH PUMP STATION (BIG BELLE TERRE, CAPT. BOURGEOIS, AND NED DUHE): St John the Baptist Parish, LA. Project Manager & Electrical Engineer of Record - HMGP-funded project to install generators at three sewer lift station locations. Mr. Prattini performed project management duties, coordinated and tasked personnel, and oversaw the electrical design and construction development. (2018-2023)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

SHERRI LEBAS, PE, Executive Vice President

PROJECT ASSIGNMENT:

Principal-in-Charge

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

6 (36 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1985 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1990 / Louisiana Licensed Professional Civil 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 36 years of experience in designing and managing numerous projects and programs during her career in Louisiana state government and private industry. During her 24.5 years at the Louisiana Department of Transportation and Development (LADOTD), Ms. LeBas designed and managed projects for a combined 14 years in the Road Design Section which led to serving as a facilitator for the Change Management Program, Assistant to the Secretary for Policy, Deputy Secretary and then Secretary for 6 years from 2010 to 2016.

From 1998 to 2003, Ms. LeBas managed projects funded through Capital Outlay at the Louisiana State Division of Administration, Facility Planning and Control. In May of 2016, Ms. LeBas brought her skills and experience to GEC providing services for LADOTD, City of Kenner, City of New Orleans, East Baton Rouge Parish and St. Tammany Parish. Ms. LeBas also meets with elected officials and other stakeholders discussing policy and resources required for infrastructure. Additionally, Ms. LeBas discusses opportunities for teaming with other consulting firms in order to present and provide a client with the best team possible to provide outstanding services and deliverables.



RELEVANT PROJECT EXPERIENCE

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

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

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

MICHAEL CHIASSON, PE, Senior Electrical Engineer

PROJECT ASSIGNMENT:

Electrical Engineering (Design)

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

13 (46 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 36 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. Mr. Chiasson is experienced with modeling, digital data filtering and simulation of control systems using tools in Excel and other 1st and 2nd order modeling techniques. He is also well versed in Fortran, Visual Basic, Microsoft Word, and Microsoft Excel.

RELEVANT PROJECT EXPERIENCE

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)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

MICHAEL CHIASSON, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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)

SANITARY SEWER SYSTEM UPGRADES, NORTH STN FORCE MAIN SANITARY SYSTEM, HIGHWAY 61 - PLANK ROAD MULTIPLE PUMP STATION REPLACEMENT: Baton Rouge, LA. Senior Control Engineer - Mr. Chiasson was responsible for the control system for the motors and for the sensors around the building. (2018) (City- Parish Project No. 11-PS-MS-0035)

CLEARY AND W. NAPOLEON LIFT STATION RENOVATION: Jefferson, LA. Electrical Engineer of Record- Mr. Chiasson 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. Controls Engineer - Mr. Chiasson assisted in design of the power distribution system for a 300,000 gallon per day WWTP system

including generator standby power system, area lighting, and construction support. (2018-2019)

OAK HARBOR EAST UTILITY – LAKESHORE ESTATES 450K WWTP EXPANSION: Slidell, LA. Controls Engineer- Mr. Chiasson is assisting with design of the power distribution system for a 450,000 gallon per day WWTP system. (2019-Present)

DRAINAGE PUMP STATION UPGRADES: Jefferson Parish, LA. Electrical Engineer - The Cousins 1, 2, & 3, Harvey, Whitney, Bayou Segnette, and Elmwood Pumping Stations 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)

STORMPROOFING FOR COUSINS AND ELMWOOD PUMP STATIONS: Jefferson Parish, LA. Project Engineer: The project includes preparation of electrical plans and specifications for installation of redundant emergency generators, automation of five diesel engine driven pumps and ancillary systems, installation of a CCTV camera system and various improvements to electrical systems to provide protection from flood and wind damage. SCADA automation design included control of fuel systems, vacuum priming systems, compressed air systems, trash raking systems as well as sensors for monitoring pressure, RPM, fluid level, temperature, and motor current. Monitoring and control interface will be via HMI touch screen panels in each pump station and in the site safehouse.

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

THOMAS COERVER, JR., PE, Senior Electrical Engineer

PROJECT ASSIGNMENT:

Electrical Engineering (Design)

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

32 (38 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1980 / Electrical Engineering; M.B.A. / 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

RETAINER NO. 44-2746, T.O. H.010916 / 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)

RETAINER NO. 44-2746, T.O. H.003451 / 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)

RETAINER NO. 44-2746, T.O. H.010720 / 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



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

THOMAS COERVER, JR., PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

construction services under two Task Orders, in addition to lighting control, power distribution, and system protection. (07/15-10/16)

S.P. NO. 450-15-0089, 17TH STREET CANAL TO CAUSEWAY (LADOTD, PROJECT NO. 450-15-0089):

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)

RETAINER NO. 44-2746, T.O. H.000687 / I-12 AT US-11 INTERCHANGE LIGHTING:

Slidell, LA. Electrical Engineer – Mr. Coerver performed electrical design, developed plans and specifications, and performed engineering during construction for the following types of roadway lighting standards: 55 ground-mount low mast, one ground mount high mast, and eight underpass. In addition, lighting control and power distribution and system protection was included in the design. (2018)

RETAINER NO. 44-2746, T.O. H.003462 / I-12 AT NORTSHORE BOULEVARD INTERCHANGE LIGHTING:

Slidell, LA. Electrical Engineer – Project makeup consisted of the following types of roadway lighting standards: 27 ground mount low mast, 20 barrier mount low mast, 8 ground mount high mast, and 8 underpass. In addition, lighting control and power distribution and system protection was included. Services include design, development of plans and specifications, and CE&I as required. (2013-2018)

RETAINER NO. 44-2746, T.O. H.010440 / I-210 OVER CALCASIEU RIVER WEST OF I-10 INTERSTATE LIGHTING:

Lake Charles, LA. Electrical Engineer – Project makeup consisted of the following types of roadway lighting standards: 44 ground mount low mast, 54 structure

mount low mast (bridge), 7 barrier mount low mast, 10 ground mount high mast, and 4 underpass. Mr. Coerver was the designer of the roadway lighting system on this project under the signing engineer. In addition, lighting control and power distribution and system protection was included. Services included design, development of plans and specifications, and CE&I. (2013-2018)

RETAINER NO. 44-2746, T.O. H.012601 / READ BLVD INTERSTATE LIGHTING:

New Orleans, LA. Electrical Engineer of Record – Mr. Coerver provided submittal reviews for this project. GEC provided design and construction services under two separate Task Orders. (01/17-06/18)

RETAINER NO. 44-2746, T.O. H.012602 / MORRISON ROAD INTERSTATE LIGHTING:

Slidell, LA. Electrical Engineer of Record – Mr. Coerver provided submittal reviews for this project. GEC provided design and construction services under two separate Task Orders. (01/17-06/18)

H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS BLVD:

New Orleans, LA. Electrical Designer: Mr. Coerver was involved in roadway lighting design and provided QA/QC on this project. GEC Electrical is responsible for preparing a feasibility study for the lighting within the project limits that will be affected by the widening of the I-10 in this area. This includes a total length of 2 miles of widening and three interchanges, all of which will need revisions to the lighting systems as well as significant coordination with the FAA for the lighting design. (06/17-Present)

H.013897 / I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD:

Baton Rouge, Louisiana. Electrical Engineer - Mr. Coerver has performed photometric and lighting layout design, sequence of construction, schedule analysis, and quality control review for the GEC/Boh Bros. team. (02/20-Present)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

LUIS DIAZ, EI, Engineer Intern

PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

1 (2 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2019 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2021 / Louisiana Licensed Engineer Intern No. 34863

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Diaz has 1 year of experience in designing electrical lighting and power systems at GEC Inc. As an engineer intern, under the supervision of a professional engineer, he has performed photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash analysis, and protective device sizing for LADOTD interstate and urban projects. In addition to roadway lighting projects, Mr. Diaz has experience in the analysis of generator systems performing generator-sizing calculations to meet a project's power requirements. Mr. Diaz also worked at CDI Engineering Solutions for 1 year and 2 months under the supervision of a professional engineer. Luis checked wiring diagrams, detail drawings (MCC buckets and switchgear cabinets), one-lines, 3-lines, and schematics (breakers and motor starters). He also assisted in designing MCC elevations, detail drawings for MCC buckets, conductor sizing, and cable tray. Mr. Diaz has 6 years of experience working with electrical motors which included the task of tearing down, reconditioning and onsite inspection and diagnostics. Mr. Diaz also performed modifications such as C-PHASE conversion, space heater installation, and conversion of ball bearing lubrication from grease to oil mist. Performed the following tests: checked motor health, phase to phase

(megger), phase to ground (megger), and Vibration on 3-Phase motors with motors ranging from 480V-4160V (Specialized equipment). Luis graduated from Louisiana State University with a Bachelor's Degree in Electrical Engineering, specializing in Power Systems.

RELEVANT PROJECT EXPERIENCE

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 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. Luis also assists in the design of the Roadway, Walkway, Underpass, Service Road and Roundabout Lighting. Involved in the lighting analysis, voltage drop calculation, and lighting layout of the enhancement lighting. (07/21-Present)

EMERGENCY GENERATORS AT TOWN OF SPRINGFIELD: Spring Field, LA. Electrical Design – Mr. Diaz is assisting with detailed electrical design for the addition of two (2) emergency generators and accessories (transfer switches, etc.) to existing pump station sites in Spring Field. (05/22-Present)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

LUIS DIAZ, EI, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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. Diaz is providing construction related engineering services. (05/21-Present)

H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Electrical Design: Mr. Diaz has assisted with photometric and lighting layout design for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr. Flyover Ramp Design-Build Project. (05/21-Present)

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

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

H.003074.5 / LADOTD, I-10, WILLIAMS BLVD. TO VETERANS BLVD.: Kenner, LA. Electrical Design: Luis 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)

SELA PUMP STATION #13 (SUBSTATIONS RELOCATION) – ALGIERS, ORLEANS PARISH: New Orleans, LA. Electrical Design: GEC 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 three (3) 3500 Horsepower electric motors and three (3) 3.25MW 4160V generators. The new design includes a new electrical systems such as new Variable Frequency Drives and Medium-Voltage Switchgear as well as the relighting the pump station and the substation. (12/2021-Present)

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

H.010916 / LADOTD, PRIEN LAKE MAIN SPAN RE-DECK: Lake Charles, LA. Construction Engineering and Inspection: Review engineering shop drawings and equipment submittals from the contractor for acceptance to fabricate, install and purchase equipment for construction. Review and respond to request for information (RFIs). 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. (Ongoing)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

NICK MONTEGUT, Electrical Designer

PROJECT ASSIGNMENT:

Electrical Design

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

5 (5 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2017 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

N/A

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Montegut has 3.5 years of experience in designing electrical lighting and power systems. As an engineer intern, under the supervision of a professional engineer, he has performed photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash analysis, and protective device sizing for LADOTD interstate and urban projects. In addition to roadway lighting projects, Mr. Montegut has experience in the analysis of generator systems performing generator-sizing calculations to meet a project's power requirements, voltage drop and conduit fill calculations, conductor sizing, protective device coordination and arc flash analysis using ETAP. Mr. Montegut's experience with electrical systems includes boots on the ground field training, working as an electrician's assistant during four summers for Triad Electric and Controls. His portfolio of experience also includes working at Noranda Alumina as an intern. At Noranda, Nick updated the refinery's power system model in ETAP. This work involved monitoring, recording the power consumption of all motor control centers, collecting motor/pump parameters, protective device sizes and coordination settings, measuring lengths of conductors, and calculating the power generation capacity in each unit throughout the refinery. Mr. Montegut graduated from Louisiana State University with

a Bachelor's Degree in Electrical Engineering, specializing in Power Systems.

RELEVANT PROJECT EXPERIENCE

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. Mr. Montegut 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-Present)

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



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

NICK MONTEGUT, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Design: Mr. Montegut assisted with an enhancement lighting study for Segment 1 of the project to incorporate aesthetic lighting at the City Park Lake Bridge and emphasize the Greenway path from the Expressway Park to the bridge. (07/21-Present)

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 is providing construction related engineering services. (05/20-Present)

H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Electrical Design - Mr. Montegut has assisted with photometric and lighting layout design for the GEC/Boh Bros team. Design tasks included construction plan set development, voltage drop and conduit fill calculations, conductor sizing, arc flash analysis, and protective device sizing.. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build Project. (02/20-Present) – confirm role

H.007300 / 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)

H.003074.5 / LADOTD, I-10, WILLIAMS BLVD. TO VETERANS BLVD.: Kenner, LA. Electrical Design: Nick 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. (2018-Present)

H.012601.6 / LADOTD, READ BLVD INTERSTATE LIGHTING: New Orleans, LA. Construction Engineering and Inspection: Review engineering shop drawings and equipment submittals from the contractor for acceptance to fabricate, install and purchase equipment for construction. Review and respond to request for information (RFIs). Project limits include the I-10 / Read Blvd. Interchange. Project makeup consists of the following types of roadway lighting standards: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. (01/2017 - Present)

H.012602.6 / LADOTD, MORRISON ROAD INTERSTATE LIGHTING: New Orleans, LA. Construction Engineering and Inspection: Review engineering shop drawings and equipment submittals from the contractor for acceptance to fabricate, install and purchase equipment for construction. Review and respond to request for information (RFIs). Project limits include the I-10 / Morrison Road Interchange. Project makeup consists of the following types of roadway lighting standards: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. (01/2017 - Present)

H.010916 / LADOTD, PRIEN LAKE MAIN SPAN RE-DECK: Lake Charles, LA. Construction Engineering and Inspection: Review engineering shop drawings and equipment submittals from the contractor for acceptance to fabricate, install and purchase equipment for construction. Review and respond to request for information (RFIs). 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. (Ongoing)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

JAMES "JIMMY" WHEELER, Senior Inspector

PROJECT ASSIGNMENT:

Electrical Inspection

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

16 (29 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 is a Senior ITS Inspector at GEC with more than 29 years of experience and a wealth of electrical and ITS construction and implementation knowledge. He is the lead inspector for GEC on electrical, ITS, and associated construction projects and 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

LADOTD, I-10 / LOYOLA INTERCHANGE OV: Jefferson Parish, LA. Electrical Inspector: GEC, selected as the Owner Verification firm, is providing all necessary engineering & related services for Design-Build Construction Support Services for the administration of the Design-Build contract on behalf of LADOTD, along with managing the implementation of the Project's Construction Quality Assurance Program (CQAP). Mr. Wheeler performs



electrical inspection services along with complete inspection of sound barrier walls, footings, columns, panels and painting. He performed complete re-builds of traffic signals on north and south Loyola including Louisiana's first DDI Intersection. He also provides inspection of all Electrical and traffic signals mounted to new ramps to airport terminal, including aesthetic lighting on ramps. He provides inspection of all bridge concrete painting. (07/19-Present) (S.P. No. H.011670)

LADOTD, WEST LAROSE VERTICAL LIFT SPAN BRIDGE REHABILITATION: Larose, LA. Electrical Inspector: Mr. Wheeler provided electrical inspection for the project which included a new fender system construction, removal of the existing paint system and repainting, structural repairs and bolt replacement, and rehabilitation of the electrical and mechanical systems. (05/15-Present) (S.P. No. H.009479.6)

LAKE PONTCHARTRAIN CAUSEWAY BASCULE CONTROL SYSTEM REPLACEMENT, GNOEC: St. Tammany and Jefferson Parishes, LA. Electrical Inspector: GEC designed a replacement control system to allow operator control of the bascule bridge system at the North Channel of the Lake Pontchartrain Causeway. Mr. Wheeler located and tested circuits inside existing cabinets for

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

JAMES "JIMMY" WHEELER, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

proper voltage and tested conductors. He performed daily inspection of control systems and replaced existing controls as needed. He provided inspection and installation of CCTV equipment above and under the Bascule and installed AC units for cabinets.(01/11-12/15)

LADOTD, I-10, LA 328 TO I-49 JUCT.: Lafayette and St. Martin Parish, LA. Lead Electrical Inspector: Presently Mr. Wheeler is Lead Electrical Inspector for this project which includes full-depth replacement of the pavement within the existing lanes, widening the westbound and eastbound pavement surface, and installing concrete median protection. The project replaces the La 328 overpass and widens the overpasses and structures on Bayou Teche, Vermillion River, Louisiana Avc, Francis Coulee and La 176 (Moss St). Pavement striping, raised markers, and rumble strips would also be installed. He is coordinating all work at both weigh station with their WIM sites and provided inspection of all roadway lighting along with assisting with sub grade work and asphalt. He worked closely with the project engineer on closing documents and is a certified LADOTD concrete tester. (2019-Present) (LADOTD RETAINER NO. 44-4729; T.O. H.003003)

LADOTD, BATON ROUGE TO NEW ORLEANS, ITS – TRAFFIC INCIDENT MANAGEMENT (TIM) PHASE I, ROUTE I-10-BONNET CARRÉ FLOODWAY, DESIGN BUILD PROJECT: Statewide, LA. Lead Inspector: Mr. Wheeler was responsible for electrical inspection and reporting for this project. The project included Design and installation of ITS devices including ground and structure mounted Dynamic Message Signs (DMS), ground and structure mounted Closed Circuit Television Cameras (CCTV), structure mounted Traffic Detectors, underground and structure mounted conduit, power distribution, and wireless and fiber optic communications. Mr. Wheeler performed Quality Control inspection for the Design Build team. (05/08 – 10/13) (S.P. No. 737-99-0799)

LADOTD, BATON ROUGE TO LAFAYETTE, ITS – TRAFFIC INCIDENT MANAGEMENT (TIM) PHASE 2, ROUTES

I-10, I-49, US 90, AND US 190, DESIGN BUILD PROJECT: Statewide, LA. Lead Inspector: Mr. Wheeler was responsible for electrical inspection and reporting for this project. CE&I services for the installation of twenty four (24) CCTV, four (4) DMS detection, and wireless & fiber optic communications. (06/10 – 08/11) (S.P. No. 737-99-0604)

LADOTD, TRAFFIC INCIDENT MANAGEMENT (TIM) PHASE 3: Statewide, LA. Lead Inspector: Mr. Wheeler was responsible for electrical inspection and reporting for this project. CE&I for the construction and integration of twelve (12) new DMS sites, forty (40) CCTV sites (new and existing), two (2) new hub sites, eleven (11) RVD sites (new and existing) and thirty (30) miles of new fiber optic network backbone elements. (06/11 – 05/14) (RETAINER #44-0688, H.006761)

LADOTD, BATON ROUGE ITS DEPLOYMENT PHASE 3: Statewide, LA. Lead 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) (RETAINER NO. 44-0688, H.006831)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

SEAN JOHNSON, Senior Inspector

PROJECT ASSIGNMENT:

Electrical Inspection

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

14 (24 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

A.A. / 1988 / Computer Science

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

N/A

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Johnson holds the position of ITS Technician and has over 30 years of experience in computing with skills in UNIX, Linux, and Windows 9xx/NT/2K/XP/server. In addition, he possesses experience with a wide variety of information systems ranging from routing and switching, optical network design, Ethernet network design and management, CCTV video network design and configuration, and point-to-point and point-to-multipoint WAN connectivity. Mr. Johnson is well versed in fiber optic cable outside and inside plant design and handling practices. This includes OTDR analysis, optical budget calculation, cable specification, termination, and selective splicing methods. Mr. Johnson has expansive background in design, implementation, integration, and construction inspection.

RELEVANT PROJECT EXPERIENCE

LAKE PONTCHARTRAIN CAUSEWAY BASCULE CONTROL SYSTEM REPLACEMENT, GNOEC: St. Tammany and Jefferson Parishes, LA. Electrical Inspector: GEC designed a replacement control system to allow operator control of the bascule bridge system at the North Channel of the Lake Pontchartrain Causeway. Mr. Johnson performed inspection of the installation of new electrical components, PLC, operators control console and roadway lighting systems as well as the testing of these systems to

assure that they met the requirements and specifications. (01/11-12/15)

LADOTD, I-10 TWIN SPANS ITS: Orleans and St. Tammany Parishes, LA. Electrical Inspector: The project consisted of construction and integration of one (1) new DMS site, four (4) new CCTV sites, bridge mounted CCTV platforms, and integration into existing fiber optic backbone including new and existing conduit and associated pullboxes. (08/17-04/18) (RETAINER NO. 44-1634, H.011503)

LADOTD, DISTRICT 08 BRIDGES (FIVE LOCATIONS) PAINTING INSPECTION AND ENVIRONMENTAL MONITORING: Avoyelles, Rapides, Sabine, and Vernon Parishes, LA. On-Site Environmental Monitor: Mr. Johnson collected pre-project soil samples; conducted air quality monitoring for TSP-Lead during construction; conducted visual assessments of contractor air emissions; observed contractor sample collection; ensured compliance with specifications during hazardous waste and waste water collection, storage, disposal/discharge; inspected contractor compliance with worker training and safety requirements; documented waste shipments and water discharges; filed daily reports; collected post-project soil samples.. (10/15-08/16) (RETAINER NO. 44-5410, H.000792)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

GEORGE "BOWMAN" GUTTNER, Senior Inspector

PROJECT ASSIGNMENT:

Electrical Inspection

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

18 (23 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

N/A

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

N/A

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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

RELEVANT PROJECT EXPERIENCE

EMERGENCY GENERATORS AT PARISH PUMP STATIONS (BIG BELLE TERRE, CAPT. BOURGEOIS, AND NED DUHE): St. John the Baptist Parish, LA. Inspector-HMGP-funded project to install generators at three sewer lift station locations. Mr. Guttner is designing the preliminary site layouts, field-verifying existing equipment ratings and locations, and coordinating with vendors. On-site inspection to be performed in future. (04/18-Present)

READ BLVD INTERSTATE LIGHTING: New Orleans, LA. Inspector – Project limits include the I-10 / Read Blvd. Interchange. Project makeup consists of: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. GEC provided design services only under this contract. In addition, lighting control and power distribution and system protection is included.

MORRISON ROAD INTERSTATE LIGHTING: New Orleans, LA. Inspector – Project limits include the I-10 / Morrison Road Interchange. Project makeup consists of: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. GEC provided design services only under this contract. In addition, lighting control and power distribution and system protection is included.

LA 434 INTERCHANGE LIGHTING: Slidell, LA. Inspector – Project limits include the I-12 / LA 434 Interchange. Project makeup consists of: 72 ground mount low mast and 4 underpass. GEC provided construction services only under this contract after the previous contract, H.003451. In addition, lighting control and power distribution and system protection is included.

I-12, LA 1088 INTERCHANGE LIGHTING: Slidell, LA. Inspector – Project limits include the I-12 / LA 1088 Interchange. Project makeup consists of: 68 ground mount low mast and 8 underpass. GEC provided construction services only under this contract after the previous contract, H.003451. In addition, lighting control and power distribution and system protection is included.



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:

RETAINER CONTRACT FOR ELECTRICAL SERVICES

Statewide, Louisiana

Client: Michael Armetor, LADOTD, (225) 379-1088

In 2012, GEC was selected by LADOTD for a six (6) year retainer contract to provide Stage 3 (design), Stage 5 (construction), and review services that include plans, specifications and special provisions, construction estimates, construction proposal, photometrics, engineering calculations (including arc flash analysis), shop drawing and submittal reviews/approvals, and construction related engineering services for existing and proposed roadway lighting projects.

In addition, the scope of work includes the performance of independent reviews on lighting and enhancement projects (designed by others) and for permit review as submitted by the DOTD Project Manager. For this contract, GEC is prime with one sub-consultant for survey. This retainer contract includes two pilot projects to install the first two LADOTD interstate lighting systems using LED high mast and LED low mast roadway lighting. Various lighting is included on these contracts including high-mast, low-mast, underpass, navigation, and aviation. To date, a total of fifteen (15) task orders have been executed.



I-12 Lighting, Slidell, LA

COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

Ongoing

\$ 49,000,000 (Estimated)

\$ 5,000,000 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 2

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

**CONTRACT 6249:
HMGP RETROFIT
POWER DISTRIBUTION
NETWORK (DESIGN-
BUILD)**

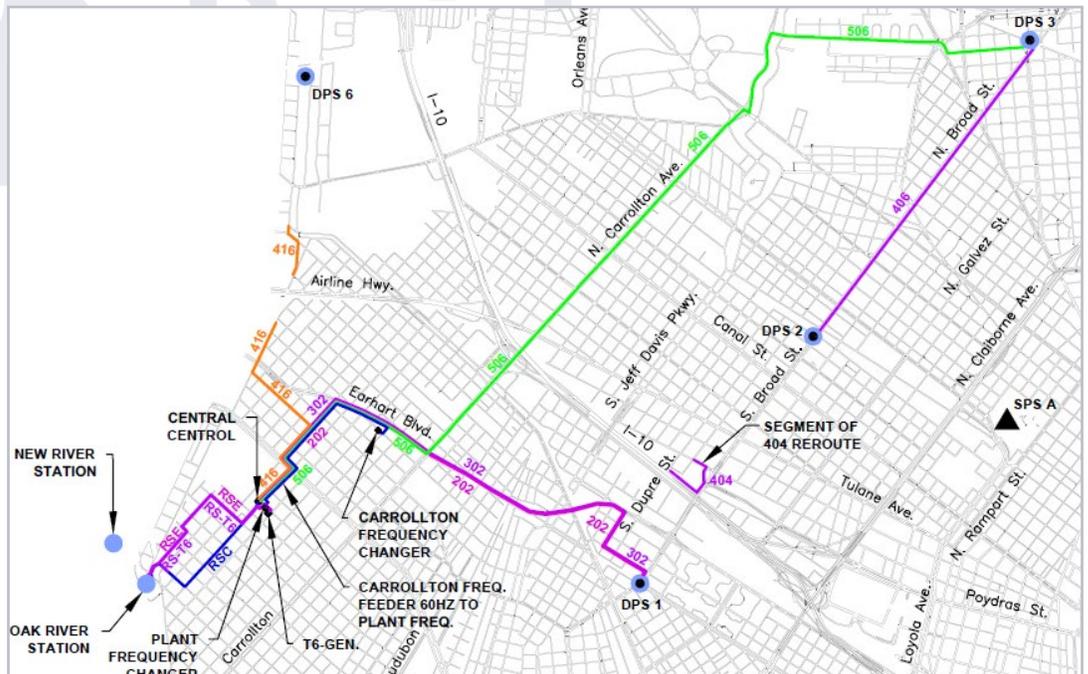
New Orleans, Louisiana

*Client: New Orleans
Sewerage and Water
Board, Regina Cassanova,
PE, (504) 585-5767*

NATURE OF FIRM'S RESPONSIBILITY:

GEC teamed with Grady Crawford on this Design-Build project as the Designer. The Sewerage and Water Board of New Orleans identified a number of existing power conductors to be replaced in this HMGP funded project. These conductors serve drainage pumping stations all over the city and date back between 1935 to 1963. The Sewerage and Water Board identified each of these as vital feeders whose upgrade could have prevented some of the flooding that the city experienced during Katrina. These feeders are to be upgraded as part of the Federal Emergency Management Agency-funded Retrofit Power Plant Hazard Mitigation Grant Program (HMGP) Project.

The project limits extend from the existing or planned switchgear to the existing or planned destination switchgear for each feeder circuit running through downtown New Orleans. Routes affected include N. Carrollton Ave, N. Broad St. and Earhart Blvd and stations within the limits include the Central Carrollton Plant, Carrollton Frequency Changer, Oak River and New River Station and multiple lift stations. Total length of the project is over 95,000 linear feet including 125,000 linear feet of conduit and 300,000 linear feet of conductors to be constructed in both existing and new duct bank.



GEC's scope of work includes:

- Project Management Services
- Environmental Permitting
- Construction Permitting
- Construction Quality Review

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 2 CONTINUED

PROJECT NAME	NATURE OF FIRM'S RESPONSIBILITY:	
<p><i>Contract 6249: HMGP Retrofit Power Distribution Network (Design-Build)</i></p>	<ul style="list-style-type: none"> • Schedule Quality Review • Power Distribution System Analysis including Arc Flash for 60Hz equipment • Design for eight replacement feeders and two new feeders to serve as additional redundancy • Traffic Management Plan and Traffic Control Plan <p>GEC's environmental program management responsibilities included storm water planning, design, and permitting, including the development of SWPPPs and BMPs, in accordance with Section 402 of the Clean Water Act, as amended, LDEQ's General Permit for Discharges of Storm Water From Construction Activities.</p>	
<p>COMPLETION DATE (ACTUAL OR ESTIMATED):</p>	<p>ESTIMATED COST:</p>	<p>WORK FOR WHICH FIRM WAS RESPONSIBLE:</p>
<p>2018</p>	<p>\$ 27,798,386 (Estimated)</p>	<p>\$ 2,294,290 (GEC Fees)</p>



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 3

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

**NORTH CHANNEL
BASCULE CONTROL
SYSTEM REPLACEMENT**

Jefferson and St.
Tammany Parishes,
Louisiana

Client: Greater New Orleans Expressway Commission, Carlton Dufrechou, (504) 835-3118

Through GEC's relationship with both the GNOEC Causeway and LADOTD, GEC was selected for this contract to upgrade the North Bascule system. This project's primary goal was to replace the bascule control system as well as to update the surrounding bridge areas to more recent standards. As part of this project, GEC re-designed the roadway lighting, relocating it as needed and ensuring it was acceptable to LADOTD standards. GEC engineers performed the lighting design, structural foundation design, and construction related engineering services to ensure that the new lighting and controls system was installed correctly. As part of this project, GEC was involved in the startup and shakeout of the new PLC control system until it met all the requirements of the specifications and operational restrictions and interlocks. As part of the startup, all mechanical, electrical and operational interlocks were tested. In addition, this project earned a LADOTD Consultant Technical Evaluation rating for Construction Services of 4.8/5.0.



GEC designed a replacement control system to allow operator control of the bascule bridge system at the North Channel of the Lake Pontchartrain Causeway. The project involved replacing the existing Programmable Logic Controller (PLC) control system which is no longer supported with a new modern PLC bridge control system. The control system must retain all mechanical interlocks as well as operating procedural interlocks. Many older components were replaced with more modern equivalents, i.e. leaf angle measurement with new electronic synchro transmitters. The new synchro devices allowed the leaf angles to be transmitted and displayed on the operator HMI touch screens. The roadway lighting

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 3 CONTINUED

PROJECT NAME	NATURE OF FIRM'S RESPONSIBILITY:	
<p><i>North Channel Bascule Control System Replacement</i></p>	<p>system was replaced to meet current NEC requirements.</p> <p>Additionally, a user manual was created to help in the operations and to train new operators. The bascule bridge system consisted of controlling four leaves, two for northbound lanes and two for southbound lanes. The replacement PLC control system has redundant automatic failover PLCs to allow bridge operation to continue even if one PLC should fail.</p>	
<p>COMPLETION DATE (ACTUAL OR ESTIMATED):</p>	<p>ESTIMATED COST:</p>	<p>WORK FOR WHICH FIRM WAS RESPONSIBLE:</p>
<p>2015</p>	<p>\$ 2,509,387</p>	<p>\$ 133,230 (GEC Fees)</p>



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 4

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

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

St. John the Baptist Parish, Louisiana

*Client: Reed Alexander,
St. John the Baptist, (985)
651-6800*

For this St. John the Baptist Parish project, part of the Hazard Mitigation Grant Program (HMGP) / FEMA-funded project, GEC provided detailed electrical and structural foundation design for the addition of three (3) emergency generators and accessories (transfer switches, etc.) to existing pump station sites in St. John the Baptist Parish.

GEC managed the geotechnical and survey sub-consultants required for the project. Additionally, GEC's environmental group was responsible for soliciting the required permits from the Army Corps, Dept. of Natural Resources (Coastal Use) and Pontchartrain Levee Board.

GEC's electrical department oversaw the bidding and construction phase services for this project which were completed in 2023.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2023

\$ 325,875 (Estimated)

\$ 80,519 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 5

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, BOOSTER PUMP STATION 514 REPLACEMENT

Baton Rouge, Louisiana

Client: Amy Schulze, PE, City/Parish of East Baton Rouge, (225) 273-9635

GEC prepared structural, electrical, instrumentation, and controls plans and specifications for the 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, respectively. In addition to pump rotation, automatic VFD speed control is were utilized to handle varying waste water flow demands and is provided by the station Programmable Logic Controller (PLC) and input from the bubbler level system. A relay based emergency control system was included in the design to assume control in the event of a PLC failure. The station control system was designed to meet the current SSO program standards to allow integration with a planned parish-wide SCADA system. The electrical distribution system features a 480 volt, 4000 ampere, 3-phase, 3-wire switchboard with automatic transfer controller and provisions for parallel operation of three (3) 1000kW generators (furnished under a separate contract and installed in this project). For optimal generator operation, a load-based generator controller was included to manage the selected number of generators based on pumping demand. The main switchboard features a main-tie-main circuit breaker arrangement which splits the pump station loads on both sides of the tie-breaker. When properly coordinated, this arrangement will prevent a fault on only one side of the tiebreaker from de-energizing all pumps. GEC also designed the force main tie-in for this station and all electrical and mechanical components.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2015

\$ 1,700,000 (Estimated)

\$ 904,000 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 6

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

STORM-PROOFING FOR COUSINS AND ELMWOOD PUMP STATIONS

Jefferson Parish, Louisiana

*Client: Mitch Theriot,
Jefferson Parish, (504)
736-6751*

GEC, as part of a Joint Venture, in its capacity as Consultant for the United States Army Corps of Engineers – Hurricane Protection Office, was integral in the design and preparation of electrical plans and specifications for installation of redundant emergency generators, automation of five diesel engine driven pumps and ancillary systems, installation of a CCTV camera system and various improvements to electrical systems to provide protection from flood and wind damage. The project consists of work at two sites, Cousins and Elmwood pump stations. The Cousins site houses three individual pump stations with a total of eight diesel engine driven pumps and the Elmwood site houses one pump station building which was expanded for additional capacity with a total of ten diesel engine driven pumps. SCADA automation design included control of fuel systems, vacuum priming systems, compressed air systems, trash raking systems, and sensors for monitoring pressure, RPM, fluid level, temperature, and motor current. Monitoring and control interface will be via HMI touchscreen panels in each pump station and in the site safehouse. The design included modeling of the electrical system using ETAP power station software and performing motor starting, short-circuit and load flow analysis to size the new generators and over-current devices.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2010

\$ 13,000,000 (Estimated)

\$ 321,860 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 7

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

GNOEC, NORTH TOLL PLAZA GENERATOR RELOCATION AND FUEL STATION

Mandeville, Louisiana

Client: Greater New Orleans Expressway Commission, Carlton Dufrechou, (504) 835-3118

GEC prepared plans and specifications for a new fuel dispensing facility involving two 2,000-gallon fuel tanks and a 200kW generator backup system to power the entire North Toll Plaza. The backup system included utilizing a reconditioned generator, a manual transfer switch for portable generator backup, an automatic transfer switch, and remote monitoring and command features. The addition of fuel storage tanks and fuel dispensing equipment at the GNOEC North Toll Plaza not only provides GNOEC personnel with a convenient location to refill their vehicles, but also provides an opportunity to continually add fresh diesel to the storage tank allowing for an extended useful life of on-site diesel.

Main system features include:

- Transfer of load via an automatic transfer switch to the available backup generator in the event power is lost.
- If the backup generator is off-line, a portable generator can be connected to the system via a generator plug receptacle connected to the manual transfer switch.
- Ability to remotely monitor and command generator operation via Ethernet.
- Two remote annunciators provide on-site staff with notification of alarm issues.
- 2,000 gallon fuel capacity for extended generator operation.
- Generator and site distribution system operates on 208/120V 3-phase.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2018

\$ 452,995 (Estimated)

\$ 61,973 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 8

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

VINTAGE AND MEDOC LIFT STATION

Kenner, Louisiana

Client: Douglas Dodt, City of Kenner, (504) 468-7515

GEC performed design and construction services for a new permanent diesel engine generator on a new pile supported foundation, new Automatic Transfer Switch, and associated conduit, conductors, supporting structures, etc. for a complete operating system to provide emergency power to the existing Vintage and Medoc Lift Station. Construction Engineering and Inspection (CE&I) was carried out as the existing station maintained full operation. Additional efforts included utility coordination for pile driving under major distribution lines. GEC staff members have performed design of plans and specifications including: generator, Automatic Transfer Switch added to existing station, Pile supported slab, Bollards, and vinyl fence.



COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2013

\$ 300,000 (Estimated)

\$ 54,000 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 9

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

**NEW ORLEANS
AIRPORT CONNECTOR
ROAD SEGMENT A**
Jefferson Parish, Louisiana

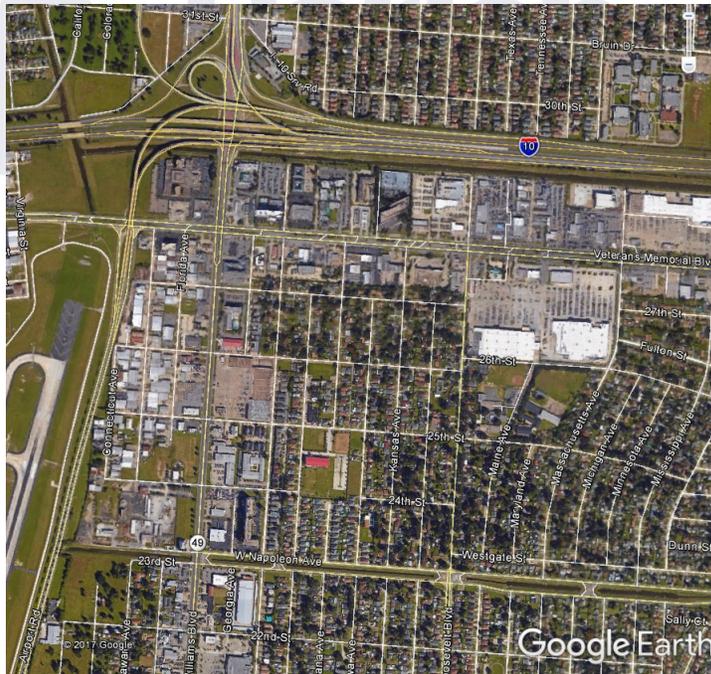
*Client: Louisiana
Department of
Transportation and
Development, Li Yang, PE,
(225) 379-110*

NATURE OF FIRM'S RESPONSIBILITY:

The project team performed preliminary and final design for the widening of the existing airport connector road and infrastructure to provide additional access to the New Orleans International Airport.

As a subconsultant, GEC performed professional engineering services to design additional roadway lighting to improve the safety of this connector road. This included the following tasks:

- Preparing photometric report and feasibility study along with the prime consultant.
- Performing preliminary electrical design for the roadway lighting including meeting LADOTD and IES Recommendations for light levels as well as matching the lighting to be installed on Segment B of this project.
- Coordinating with various agencies to ensure the final acceptance of the roadway lighting and integration into the final system.
- Completing final Design for Roadway lighting including electrical calculations, photometrics, voltage drop, and other considerations.
- Providing limited support services during construction.



COMPLETION DATE (ACTUAL OR ESTIMATED):

2017

ESTIMATED COST:

ENTIRE PROJECT:

\$ 238,717

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 36,894 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 10

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

RETAINER CONTRACT FOR ITS DESIGN AND IMPLEMENTATION SERVICES

Statewide, Louisiana

Client: Elizabeth Delaney, LADOTD, (225) 379-2519

GEC was selected by the LADOTD for a three (3) year retainer contract in March 2014 to perform Intelligent Transportation System (ITS) services including project management and program assistance, project reporting, traffic and Systems Engineering Analyses (SEA), preparation of engineering plans, specifications, and construction estimates, GIS support services, signal planning and design and signal system timing. GEC also provided technical support during construction including shop drawing and submittal reviews, and other construction related engineering services. To date, a total of seventeen (17) task orders have been executed. The following representative projects included the services detailed above: H.010192 Lake Charles ITS Phase 2 – Lake Charles, LA, H.011350 Cameron Ferry Traveler Message Signing – Cameron Parish, LA, H.011472 I-10 Bonnet Carre Emergency Crossings – LaPlace/Kenner, LA, H.011493 LA 1 ITS Equipment Upgrade – Lafourche Parish, LA, and H.011500 Lake Charles ITS Phase 3 – Lake Charles, LA.



Baton Rouge Hub Generators, Baton Rouge, LA

COMPLETION DATE (ACTUAL OR ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2017

\$ 8,333,000 (Estimated)

\$ 3,000,000 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

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

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

Mechanical and Electrical Engineering Services

STATEMENT OF QUALIFICATIONS

G.E.C., Inc. (GEC) appreciates the opportunity to offer Jefferson Parish a highly capable and experienced professional team to provide mechanical and electrical engineering services.

Since 1986, GEC has grown into a firm offering project management and comprehensive, multi-disciplinary 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 and ecological sciences, and GIS applications. Our team is committed to providing electrical and mechanical engineering services to Jefferson Parish on time and within budget to effectively accomplish the goals of this project.

GEC's services include the ability to perform the required professional electrical and mechanical engineering services as needed throughout the Parish of Jefferson.

We have thoroughly reviewed the solicitation and feel confident GEC has the broad experience and full array of personnel necessary to complete all services described in the Request for Qualifications. GEC has the required technical capabilities needed by Jefferson Parish to execute these services.

FIRM OVERVIEW

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

Privately held Corporation

Established in 1986 in Baton Rouge, with an additional offices in California and Florida

Over 130 employees providing civil, electrical, mechanical, construction, environmental, and coastal engineering, planning, inspection, and more.

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

SIGNATURE:  PRINT NAME: Sherri LeBas, PE

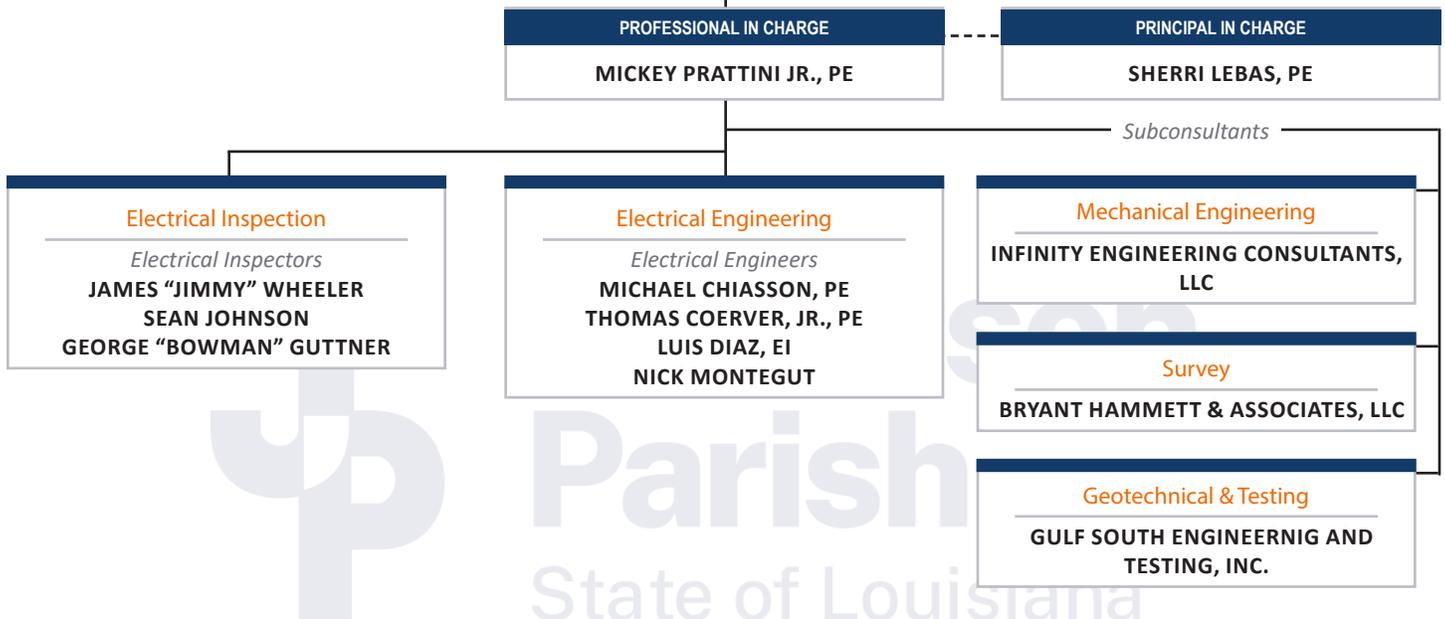
TITLE: Senior Vice President DATE: March 31, 2023

ADDITIONAL INFORMATION

Organizational Chart

MEMBERS OF THE GEC TEAM

JEFFERSON PARISH RESOLUTION 141493
Professional Mechanical and Electrical Engineering Services on an As-Needed Basis for Projects Located Throughout the Parish



MINIMUM PERSONNEL REQUIREMENTS

STAFF NAME (FIRM)	YEARS OF EXP.	LICENSE NO.	MINIMUM PERSONNEL REQUIREMENT
Sherri LeBas, PE (GEC)	37	LA Licensed Professional Civil Engineer No. 23844	One (1) principal who is a licensed, registered professional engineer in the State of Louisiana
Mickey Prattini, Jr., PE (GEC)	18	LA Licensed Professional Electrical Engineer No. 35993	A professional in charge of the Project who is a licensed, registered professional mechanical or electrical engineer in the State of Louisiana with a minimum of five (5) years' experience
Michael Chiasson, PE (GEC)	46	LA Licensed Professional Electrical Engineer No. 17978	The persons or firms under consideration shall have one (1) employee who is a licensed, registered professional mechanical or electrical engineer in the State of Louisiana in the applicable discipline involved.
Raoul V. Chauvin, III, PE (Infinity)	19	LA Licensed Professional Mechanical Engineer No. 28272	

Professional Qualifications

ELECTRICAL & MECHANICAL ENGINEERING EXPERTISE AND KNOWLEDGE



About GEC

GEC was founded on one simple principle that remains the key differentiator for the firm today - a passion for helping the communities in which we live and work.

In a dynamically changing and evolving world, GEC has both a breadth and depth of knowledge, strong leadership, and a dedication to working with our clients to find innovative solutions for improving the quality of life of our communities and establishing sustainable infrastructure to support future generations.

Being a valuable partner to our clients means having the expertise and resources to handle a variety of challenging projects. GEC brings together the specialists in areas such as engineering, environmental, coastal sciences, economics, construction, and planning to create a process that truly inspires innovation.

Together with our teaming partners, GEC can provide the Parish with the depth of resources necessary to complete the required electrical and mechanical design services.

The GEC Team includes local firms to provide services for this project: Infinity Engineering Consultants, LLC, Bryant Hammett & Associates, LLC (BHA), and Gulf South Engineering and Testing, Inc.

(1) Professional training and experience

MECHANICAL OR ELECTRICAL ENGINEERING SERVICES

GEC has the knowledge and extensive experience with the design and implementation of a wide array of roadway lighting systems, electrical distribution systems, emergency power systems, control systems, fuel storage, conditioning and distribution systems, drainage and wastewater pumping stations, and flood control systems. They have designed and implemented these systems for both state and local governments.

Our engineering staff has in-depth understanding of national and local codes, industry standards, and best practices. Their varied expertise is adapted and applied to each project, resulting in optimal design and implementation. This equips GEC to provide the range of services required to accomplish any project to satisfy the needs of the Parish.

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

As a result of our attention to detail, clients have continued

to select GEC to perform ITS design and implementation services on various challenging and complex projects. In addition to our design capabilities, GEC's staff has first hand experience in installation, integration, and maintenance of ITS (power, communication, and software systems). This knowledge is applied to design development in order to ensure constructability and effectiveness of the system.

Infinity Engineering Consultants, LLC is a dynamic, multi-discipline engineering consulting firm with specific expertise in providing designs for municipal, industrial, and marine projects. Infinity's in-house capabilities blend together the disciplines of civil, structural, mechanical, and electrical engineering to create a world-class organization capable of ushering a project from the earliest conceptual stages all the way to commissioning. With a portfolio ranging from multi-story building projects to structural design for marine docks, Infinity has the experience and vision to handle any engineering design challenge. Infinity offers a diverse array of Mechanical Engineering services across industrial, commercial, and municipal applications.

Bryant Hammett & Associates, LLC (BHA) is a Louisiana-based Limited Liability Corporation multi-disciplinary consulting land surveying, civil engineering, and disaster response firm which provides professional services for various governmental and private concerns. BHA was first organized in Concordia Parish in August 1984, starting as a small 4-member firm providing civil engineering and land surveying services to surrounding municipalities. Since then, the firm has grown to operate offices in Plaquemines, Jefferson, East Baton Rouge, and Concordia parishes. BHA employees licensed and experienced professional land surveyors and civil and environmental engineers and, each with decades of performance. The firm has been the surveyor and engineer of record for numerous types of projects and offers the following survey services: boundary surveys; ALTA surveys, hydrographic surveys, topographic surveys, right-of-way determination, control and benchmarks, wetlands delineation, construction surveys, utility layout, pipeline surveys, elevation certificates and subdivision design and layout.

Gulf South Engineering and Testing, Inc. (Gulf South) is a

geotechnical engineering and construction materials testing and inspection company which began operations in 2011. Since that time, we have grown to two offices and over two dozen employees. Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and 300 construction materials testing and inspection projects each year. These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection. **Gulf South is a woman-owned, Hudson Initiative-certified & Regional Transit Authority recognized small business in Louisiana. Our laboratory is AASHTO and CCRL certified and USACE validated.**

(2) Size of Firm

NUMBER OF PROFESSIONAL AND SUPPORT PERSONNEL REQUIRED TO PERFORM THE TYPE OF MECHANICAL OR ELECTRICAL ENGINEERING TASKS

GEC currently has ample staff available to work either full or part time on any project assigned by Jefferson Parish, including dozens of personnel in our Metairie and Baton Rouge offices. GEC's staff includes over 130 project management professionals, engineers, planners, technicians, environmental specialists, and other support personnel. Many have earned advanced degrees and possess more than 15 years of experience.

(3) Capacity for timely completion

CONSIDERING THE FACTORS OF TYPE OF MECHANICAL OR ELECTRICAL ENGINEERING TASKS

For over 37 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.

GEC consistently completes project tasks in a time commensurate with a task's complexity. As part of the Louisiana TIMED Management (LTM) Joint Venture, GEC was a key contributor in accelerating the turnkey delivery of more than 260 miles of new highway construction from a



Design and [Systems Engineering Analysis (SEA)] were both accomplished despite extremely ambitious schedules. Consultant went to great lengths to coordinate with local utilities and entities to create accurate plans.”

Harper Collins
LOUISIANA DOTD

30-year schedule to 10 years, and then further accelerating the 10-year schedule to 8 years. Our staff utilizes various methods to manage multiple large projects simultaneously and meet deadlines under an aggressive schedule. Some of the various ways we perform this task include using a team approach, coordinating tasks between offices, relying on our knowledge of local, state, and federal regulations, employing staff that is proficient in multiple fields and following a company-wide a Quality Control/Quality Assurance (QA/QC) plan.

GEC employs numerous Louisiana licensed professional engineers with a support staff of technicians and administrative professionals, all of whom are readily available to meet the needs of this project.

(4) Past Performance by person or firm

PROJECTS OF OR SIMILAR COMPARABLE SIZE, SCOPE, AND SCALE

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

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 ascetically pleasing appearance.

(5) Location of Principal Office

WORK TO BE PERFORMED IN JEFFERSON PARISH

GEC has maintained an office at 3445 North Causeway Blvd., Suite 707, Metairie, in Jefferson Parish since 2008. Work will also be performed by staff in our Baton Rouge office, which is a short commute to the Yenni Building.

(6) Adversarial Legal Proceedings

BETWEEN THE PARISH AND GEC

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 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.

(7) Prior successful completion of projects

MECHANICAL OR ELECTRICAL ENGINEERING SERVICES

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

For the Jefferson Parish Submerged Roads project, GEC was selected as one of the design engineers for repairs to roads damaged by Hurricane Katrina. GEC designed and prepared plans for \$43M of repairs to streets throughout the Parish. GEC also provided construction phase engineering services. The repairs were funded by FEMA funds beginning in 2011 and were completed in 2016.

JEFFERSON PARISH: NOTABLE ELECTRICAL PROJECTS

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

ADDITIONAL INFORMATION

- Decorative Roadway Lighting
- 13th and Farrington Lift Station Improvements

GEC has frequently been listed on the Engineering News-Record “Top 500 Design Firms” list, in addition to completing several award-winning engineering and construction projects, including winning the 2018 “Excellence in Site Reuse” award from EPA/Region 6 for the Slidell Municipal Marina at Heritage Park project in Slidell, LA and the 2017 National Main Street Center Organization’s “Great American Main Street Award” (GAMSA) for the Oretha Castle (OC) Haley Boulevard Streetscape project in New Orleans, LA.

VERIFIABLE REFERENCES

We are proud of our history of work with local and national agencies. We encourage the selection committee to contact references for all projects listed in Section L, in addition to those listed.

Jefferson Parish Government

Mark Drewes, Jose Gonzales • Yenni Office, 1221 Elmwood Park Blvd., Harahan, LA • (504) 736-6500

Greater New Orleans Expressway Commission (GNOEC)

Carlton Dufrechou • 3939 N Causeway Blvd., Suite 400, Metairie, LA • (504) 835-3118

Louisiana Dept. of Transportation and Development

Michael A. Armentor, PE • PO Box 94245, Baton Rouge, LA • (225) 379-1088

New Orleans Regional Planning Commission

Jeff Roesel • 10 Veterans Blvd., Metairie, LA • (504) 483-8528

“

[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
LOUISIANA DOTD



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

Name: Public Address:
8282 Goodwood Boulevard
G.E.C., Inc. Baton Rouge, Louisiana 70806

License/Certificate Information w/ Supervision

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



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/27/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Ms. Sherri Hammond LeBas
6516 Millstone Avenue
Baton Rouge, Louisiana 70808

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Ms. Sherri Hammond LeBas	
License/Certificate Type - Number	Expiration Date	
PE.0023844	03/31/2025	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

Annotations: "Cut Here" arrow pointing to the right edge of the dashed box; "Fold Here" arrow pointing to the left edge of the dashed box.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer

All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/27/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Mickey Charles Prattini Jr.
109 Wickfield Court
Covington, Louisiana 70433

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mr. Mickey Charles Prattini Jr. License/Certificate Type - Number Expiration Date PE.0035993 03/31/2025 Status: Active	
	<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/27/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Michael J. Chiasson
7746 John Newcombe Avenue
Baton Rouge, Louisiana 70810

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mr. Michael J. Chiasson	
License/Certificate Type - Number	Expiration Date	
PE.0017978	09/30/2024	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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Disclaimer

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/27/2023 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Thomas Cahill Coerver Jr.
8518 Hickorylake Drive
Baton Rouge, Louisiana 70810-6632



**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Thomas Cahill Coerver Jr.

License/Certificate Type - Number	Expiration Date
PE.0030722	09/30/2023
Status: Active	

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LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

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Disclaimer

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TEC Questionnaire
Infinity Engineering Consultants, LLC



**Jefferson
Parish**
State of Louisiana

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Mechanical and Electrical Engineering Services
Resolution No. 141493 | SOQ 23-007

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

Infinity Engineering Consultants, LLC
4001 Division St.
Metairie, LA 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:

Raoul V. Chauvin, III, P.E.
Principal
504-304-0548
rchauvin@infinityec.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.

Raoul V. Chauvin, III, P.E.
Mechanical Engineering Supervisor
504-304-0548
rchauvin@infinityec.com

John Lawrence, P.E.
Principal Electrical Engineer
504-304-0548
jlawrence@infinityec.com

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

<u>5</u> Administrative	_____ Estimators	_____ Specification Writers
_____ Architects (Licensed)	_____ Geologists	<u>2</u> Structural Engineers
_____ Chemical Engineers	_____ Geotechnical Engineers	<u>3</u> Graduate Engineers
<u>3</u> Civil Engineers	_____ Interior Designers	_____ Project Managers
<u>5</u> Construction Inspectors	_____ Landscape Architects	<u>1</u> Clerical
_____ Ecologists	_____ Land Surveyor	_____ Grant/Funding Specialist
<u>3</u> Electrical Engineers	<u>3</u> Mechanical Engineers	_____ Sanitary Engineers
<u>4</u> Engineer Intern	_____ Environmental Engineers	<u>9</u> Drafting/Design
_____ Professional Land Surveyors		<u>38</u> 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.

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):
<p>1. Due to the "as-needed" nature of the contract and the specific scope has not been identified, no subconsultants are expected at this time. In the event subconsultants are required, Infinity will coordinate with Jefferson Parish to identify the appropriate firms.</p>		
2.		
3.		
4.		
5.		
6.		

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

10 total Infinity personnel could assist in the completion of any assigned project.

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:

Raoul V. Chauvin, III, P.E.
Principal

Project Assignment:

Principal-in-Charge
Mechanical Engineering Advisor

Name of Firm with which Associated:



Years' experience with this Firm:

19

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1990 / Mechanical Engineering

Active registration: Year first registered/discipline:

IA / 2018 / Mechanical	IL / 2018 / Mechanical	KY / 2018 / Mechanical
LA / 1999 / Mechanical	MI / 2018 / Mechanical	MN / 2018 / Mechanical
MS / 2007 / Mechanical	OH / 2018 / Mechanical	TN / 2018 / Mechanical
	TX / 2007 / Mechanical	

Other experience and qualifications relevant to the proposed Project:

Westbank Regional Library Chiller – Jefferson Parish, LA

Principal and Mechanical Engineering supervisor for the engineering design for the replacement and installation of the HVAC system. Designs included the replacement of a 100-ton chiller, circulation pumps, DDC controls, valves, compressors, and electrical components.

Braithwaite Auditorium Design – Braithwaite, LA

Lead Mechanical Engineer for the mechanical and plumbing designs for the new 7,800 sqft auditorium. Designs included ductless split air conditioning system; **two second floor independent mechanical systems**; rooftop air conditioning unit with energy recovery ventilator; split system air conditioning system for kitchen/concessions and restroom areas; and wet pipe sprinkler system.

New Orleans East Hospital Expansion – New Orleans, LA

Principal and Mechanical Engineering Supervisor in charge of the remodeling of the Methodist Hospital. This project included the addition of an approximately 193,000 sq. ft., three-story structure to the existing six-story East Tower, designed using Revit. The design included ambulatory/emergency services, patient care, surgery, critical care, public, dietary, imaging, and associated support services. Site work included revisions to existing surface parking areas and new public utility entrances. The **on-site fuel oil storage** included a 30,000-gallon double-walled above-ground UL185 tank with a **duplex transfer pump and double-walled fuel oil piping**.

Regional Transit Authority Napoleon Building – New Orleans, LA

Principal and Mechanical Engineering Supervisor responsible for the **inspection of the mechanical, structural, plumbing, fire protection and electrical systems** of the 16,000 sq ft building and proposed underpinning of the foundation, repair of the walls and roof framing, as well as mechanical and electrical upgrades and repairs to this historic building.

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Raoul Vincent Chauvin III		
License/Certificate Type - Number	Expiration Date	
PE.0028272	03/31/2025	
Status: Active		

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Laura Kelly, P.E. Mechanical Engineering Manager
Project Assignment:
Mechanical Engineering Project Lead
Name of Firm with which Associated:

Years' experience with this Firm:
5
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2008 / Mechanical Engineering
Active registration: Year first registered/discipline:
Professional Engineer – Mechanical Engineering LA / 2015 / Mechanical
Other experience and qualifications relevant to the proposed Project:
<p><u>Orleans Parish School Board Fisk Howard Pipe Replacement – New Orleans, LA</u> Project engineer responsible for project management as well as leading mechanical design team for the replacement of chilled water piping at the Fisk Howard School Building. Project responsibilities included developing drawings, specifications, and project documents for the replacement of a portion of the building's carbon steel chilled water piping with polypropylene piping. During bidding, assisted in the solicitation of bids.</p> <p><u>RTA Napoleon Building Weatherization – New Orleans, LA</u> Project engineer responsible for mechanical and plumbing designs for the renovation of RTA's Napoleon Building. Project designs included the addition of ventilation and heating, addition of bathroom facilities, and installation of a sprinkler system. Project responsibilities included equipment selection, development of construction drawings, development of opinion of probable cost, and editing of specifications.</p> <p><u>Plaquemines Parish Government Harbor of Refuge – Empire, LA</u> Project engineer responsible for mechanical and plumbing designs for the new harbor master building at Plaquemines Parish Government's Harbor of Refuge site, including equipment selection, development of opinion of probable cost, and editing of specifications. Design of the HVAC system included load calculations, equipment selection, and ductwork layout. Plumbing design included pipe sizing, fixture selection, equipment sizing, and piping layout for domestic water and waste and vent systems.</p> <p><u>City of New Orleans Florida Desire Community Center – New Orleans, LA</u> Project Engineer responsible for HVAC and plumbing design for a new community center building, including equipment selection, development of opinion of probable cost, and editing of specifications. Design of the HVAC system included load calculations, equipment selection, and ductwork layout. Plumbing design included pipe sizing, fixture selection, equipment sizing, and piping layout for domestic water and waste and vent systems.</p> <p><u>St. Augustine High School Building Renovations – New Orleans, LA</u> Infinity Project Manager leading multi-disciplinary team in the MEP design upgrades for multiple historic buildings on St. Augustine High School's campus. The design package includes over two million dollars in upgrades to HVAC, plumbing, and electrical systems. HVAC designs include a new VRV/VRF heating can cooling system and dedicated outside air system.</p>

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Mrs. Laura Eyman Kelly	
License/Certificate Type - Number	Expiration Date
PE.0039645	09/30/2023
Status: Active	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Stephen Gholston, P.E.
Project Mechanical Engineer

Project Assignment:

Project Mechanical Engineer

Name of Firm with which Associated:



Years' experience with this Firm:

1

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 2000 / Mechanical Engineering

Active registration: Year first registered/discipline:

Professional Engineer – Mechanical Engineering
LA / 2016 / Mechanical

Other experience and qualifications relevant to the proposed Project:

Tom Benson School HVAC – Kenner, LA

Engineer of Record responsible for plans and specifications of a **new HVAC system** for an 85,000 SF elementary school. Project responsibilities included sizing cooling and heating loads for all conditioned spaces as well as ventilation requirements to bring the building up to code. Rooftop units and a variable refrigerant flow system were chosen. Ducting was routed from rooftop units and dedicated outdoor air units through the hallway and into spaces to deliver fresh air ventilation.

Poree Embroidery Retail – New Orleans, LA

Engineer of Record responsible for drawings and specifications of HVAC and plumbing system for a commercial building consisting of apartments, a retail space, and a studio space. Project responsibilities included **sizing cooling and heating loads, selecting equipment, and designing plumbing and ductwork systems.**

Dwight D. Eisenhower School Boiler Replacement – New Orleans, LA

Project Engineer responsible for mechanical engineering design of a **hydronic heating boiler removal and replacement** at a 50,000 SF elementary school. Project responsibilities included sizing calculations of the boilers, replacing expansion tank, **adding air separator, buffer tank, boiler room piping reconfiguration**, development of mechanical piping and equipment drawings as well as construction administration services.

St. Augustine High School Renovations – New Orleans, LA

Project Engineer responsible for mechanical engineering calculations and design of HVAC system. Project responsibilities included **sizing cooling and heating loads for all conditioned spaces** as well as ventilation requirements to bring the building up to code. A variable refrigerant flow system was chosen to heat and cool spaces due to limited existing space constraints; ducting was routed from split dedicated outdoor air units through the hallway and into spaces to deliver fresh air ventilation.

COVID-19 HVAC Improvements – St. John the Baptist Parish, LA

Project Engineer responsible for assisting St. John the Baptist Parish administration with a grant application and subsequent award to **improve HVAC systems** of public facilities to mitigate the spread of COVID-19. Responsibilities include research of existing HVAC systems, estimating the number of UV plasma ionization filters for retrofitting and estimating construction cost.

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	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Stephen James Gholston		
License/Certificate Type - Number PE.0041257	Expiration Date 03/31/2025	
Status: Active		

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Brian Lauritsen, E.I.
Project Mechanical Designer

Project Assignment:

Project Mechanical Designer

Name of Firm with which Associated:



Years' experience with this Firm:

2

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 2019 / Mechanical Engineering

Active registration: Year first registered/discipline:

Engineering Intern
LA / 2020 / Mechanical

Other experience and qualifications relevant to the proposed Project:

COVID-19 HVAC Improvements – St. John the Baptist Parish, LA

As part of Infinity's mechanical team, assisted St. John the Baptist Parish administration with a grant application to improve HVAC systems of public facilities to mitigate the spread of COVID-19. Assisted in research of existing HVAC systems capacity, estimating the number of UV plasma ionization filters for retrofitting, and estimating construction cost.

Port of New Orleans Napoleon-Nashville Fire Pump Building – New Orleans, LA

As part of Infinity's mechanical team, assisted in the design of **ventilation and heating improvements** to keep the building from exceeding and dropping below extreme temperatures. Under the direction of the engineer of record, ventilation calculations were performed to exhaust combustible vapors, as well as supplying a diesel pump engine with adequate combustion air. Also responsible for assisting with laser scanning to document existing facility structures.

Dwight D. Eisenhower Charter School Boiler Replacement – New Orleans, LA

As part of Infinity's mechanical team, assisted in the design of a hydronic heating boiler removal and replacement at a 50,000 SF elementary school. Project responsibilities included assisting in sizing calculations of the boilers, replacing expansion tank, adding air separator, boiler room piping reconfiguration, development of **mechanical piping and equipment drawings**, as well as construction administration services.

NOPD Criminal Evidence and Processing Complex – New Orleans, LA

Under the direction of Infinity's engineer of record, assisted in the **design of the oil separator tank system and outdoor plumbing facilities**. Project responsibilities also included assisting in the sizing venting and drainage lines from oil separator tank into sanitary system and sizing an instant hot water heater for outdoor use. Additionally, responded to mechanical/plumbing related contractor submittals.

Plaquemines Port Port-Ship Service Marine Dock – Belle Chasse, LA

As part of Infinity's mechanical team assisted in the design of **the indoor plumbing system and fuel filling station**. Under the direction of Infinity's engineer of record, assisted in developing and issuing complete plumbing and drainage piping construction documents. A remote-fuel filling system was also designed for a diesel tanker truck to offload diesel fuel into a holding tank.

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
	Mr. Brian Hamilton Lauritsen

License/Certificate Type - Number	Expiration Date
EI.0034395	09/30/2023
Status: Active	

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:	
<p>Harbor of Refuge Design & Construction Jesuit Bend, LA</p> <p>Plaquemines Parish Government John Helmers 504-934-6297</p>	<p>Infinity has been serving as the prime consultant to provide engineering and design services associated with the development of a harbor of refuge for commercial fishing vessels in Empire, LA. The project area consists of approximately 16 acres of land and surface water located off Hwy 23 south of the Empire Mississippi River Locks.</p> <p>The aim of the project is to develop a facility that will serve as a harbor of refuge for 30 to 50 vessels during adverse weather, while also providing opportunities to support the growth of the Plaquemines Parish fishing economy. The newly built facilities will provide opportunities for small recreational gatherings as well as educational elements about the importance of coastal protection and restoration to the State of Louisiana. The project includes the following civil, structural, mechanical, and electrical design elements:</p> <ul style="list-style-type: none"> New Harbor Master Building 20,000 SF Open Air Pavilion Storage for 50+ fishing vessels HVAC / Plumbing Design and Equipment Selection for Harbor Building On-Site Wastewater Treatment Electrical Power Service & Distribution Interior & Exterior Lighting Plans 	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2023	\$4,100,000	\$4,100,000

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Braithwaite Auditorium Design Braithwaite, LA</p> <p>Plaquemines Parish Government Byron Williams 504-297-5560</p>	<p>Infinity engineering and hazard mitigation design services for the new 7,800 sq ft auditorium. This FEMA-funded project replaced the previous Braithwaite Auditorium.</p> <p>Infinity's services included all structural, electrical, mechanical, fire protection and plumbing components, as well as construction administration, for the new auditorium. The new building features a 6,500 sq. ft. open auditorium and stage area, catering kitchen/concession space, and restrooms. The finished floor is elevated 21 feet above the Advisory Base Flood Elevation (ABFE).</p> <p>For the mechanical HVAC design, an elevator lobby is located on the ground level with a ductless split air conditioning system. The second level is conditioned via two independent mechanical systems. The auditorium and stage are conditioned via a rooftop air conditioning unit with an energy recovery ventilator providing fresh air. The kitchen/concessions area and restroom are conditioned via a split system air conditioning system. The building is protected with a wet pipe sprinkler system.</p>	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: 2012	\$2,800,000	\$1,100,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Port of New Orleans Elmwood Warehouse Renovation Harahan, LA</p> <p>Port of New Orleans Christine Nguyen 504-528-3416</p>	<p>Infinity served as the prime consultant for the design of the warehouse renovation which included civil/structural, mechanical, and electrical engineering. Infinity provided a 3D scan of the interior of the warehouse. Construction administration services included coordinating with the selected contractor, performing submittal review, reviewing, and responding to RFIs. Infinity was responsible for the following design tasks:</p> <ol style="list-style-type: none"> 1. Civil Design: Civil design components consisted of updating the roof system (10,000 sf), pavement design to accommodate the turning radius of vehicles classified as WB-67, and repairing concrete. 2. Structural Design: Structural design components consisted of walls that are 16.5' in height, exterior wall demolition to provide overhead doors (20'X12') and personnel doors (2). Additionally replacing the exterior wall where the old overhead door was located. 3. Mechanical Design: Engineering of the new duct configuration, HVAC design, and consisted of calculating ventilation and heat load. Preforming a code review on the warehouse unit, relocating the existing sprinkler system. As well as provide CO and NO2 monitors with louvers. 	
	Estimated Cost:	
Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:
Completed: 2021	\$1,400,000	\$1,400,000
PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>New Orleans East Hospital Expansion New Orleans, LA</p> <p>Parish Hospital Services District A Karl Warner 504-592-6875</p>	<p>The New Orleans East Hospital expansion project included the addition of an approximately 193,000 sqft, three-story structure to the existing six-story East Tower. The design included ambulatory/emergency services, patient care, surgery, critical care, public, dietary, imaging, and associated support services. Site work included revisions to existing surface parking areas and new public utility entrances.</p> <p>Infinity Engineers provided services including the design of specialized waste, sanitary waste, rainwater drainage, and domestic water for the hospital. We also designed the on-site storage of electrical, water, sewer, medical gas, fuel oil, fiber, and natural gas utilities from the project boundary to the utility access points. Electrical designs included transformers, switches, parking area and helipad lighting and controls, which included the underground electrical utility and switchgear.</p>	
	Estimated Cost:	
Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:
Completed: 2014	\$68,000,000	\$13,600,000



TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">RTA Napoleon Facility Structural Analysis and Weatherization New Orleans, LA</p> <p style="text-align: center;">Brittney Barnes, LEED AP BD+C Landmark Consulting, LLC 504-524-8880</p>	<p>The Regional Transit Authority's Napoleon Facility, which is included on the National Register of Historic Places, is slated for renovation. Infinity inspected the mechanical, structural, plumbing fire protection and electrical systems of the 16,000 sq ft building. After inspection, Infinity proposed underpinning of the foundation, repair of the walls and roof framing, as well as mechanical and electrical upgrades and repairs to the building.</p> <p>The structure's partially failed foundation caused one wall to lean, fracturing adjacent walls and floors. Also, the roof framing was in need of partial replacement and repair. Infinity worked with an architect to tailor renovations around preservation of the historic features of the building. Demolition plans included the selective demolition of interior walls and portions of steel truss roof support framing to create larger interior spaces and to facilitate replacement of portions of corroded roof framing. They also included demolition of existing mechanical, electrical, and fire suppression systems for replacement</p>	
	Estimated Cost:	
Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:
8/2023 (Estimate)	\$3,000,000	\$3,000,000



PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Lake Hermitage Firehouse Port Sulphur, LA</p> <p style="text-align: center;">Plaquemines Parish Government Bill Serpas 504-274-2471</p>	<p>Infinity provided design of all structural, mechanical, plumbing, and electrical components, including construction administration for the design and construction of a new 3,200 sq.ft. fire station. Mechanical design included services for two split system air conditioning systems to serve the community room, kitchen, and offices. Plumbing design services included plumbing for the toilet rooms and kitchen.</p> <p>The firehouse has a first-floor elevation above the Base Flood Elevation and is supported by composite piles (timber and concrete with steel shell) with concrete pile caps. Concrete columns extend to integral ledger beams, which support the precast concrete hollow core panel floor. The ledger beams also support steel columns and roof framing. The exterior walls of the main floor are reinforced CMU. The structure was designed to meet the International Building Code, exceeding the LA Uniform Construction Code.</p>	
	Estimated Cost:	
Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:
Completed: 2009	\$1,700, 000	\$550,000



TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>St. Claude Avenue Sheriff's Substation Arabi, LA</p> <p>St. Bernard Parish Government</p> <p>Perez Kyle Christiansen 504-584-5100</p>	<p>This FEMA-funded project included the design of a 3-story criminal sheriff's administration building for St. Bernard Parish. Infinity designed all civil, structural, mechanical, and electrical components. The structural and electrical designs incorporated high security aspects. The building consists of steel-reinforced concrete with the bottom of the second floor above the BFE.</p> <p>Infinity provided Mechanical plans for constant volume rooftop air conditioning units that are ducted down through the building to their corresponding floor. The plans included specialized exhaust systems for the evidence drying room and crime lab. Plumbing plans included toilet rooms, break rooms and crime lab areas. The Fire Protection drawings included plans for a fully sprinkled building with fire department connection on the ground floor.</p>	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: 2018	\$	\$

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lake Pontchartrain Elementary School LaPlace, LA</p> <p>St. John the Baptist School Board</p> <p>Yeates Architects Thad Mancil 504-522-7218</p>	<p>Infinity provided the design of new HVAC, plumbing and electrical systems for the all-new 95,000 sq ft Lake Pontchartrain Elementary School. Mechanical designs included all new air-cooled chillers, high efficiency boiler, primary/secondary four-pipe chilled water/hot water system, VAV air handling units with hot water reheat, commercial kitchen exhaust and makeup air, plumbing and domestic hot water systems, and specified the type of fire protection system for wet sprinkler, and dry pipe fire protection.</p> <p>Infinity designed all electrical systems for the new elementary school, including the power distribution system; back bone fiber optic communication distribution system for all data systems (IP-based telephone and security system, voice evacuation system, tie-in to school board mass notification system); fire alarm system; intercom and clock systems; closed circuit television system; and battery back-up for emergency lighting and communications.</p>	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed 2018	\$22,500,000	N/A

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Camp Villere National Guard Armory Renovation Slidell, LA</p> <p>LA Department of Veterans Affairs John Davis 225-342-0848</p>	<p>Infinity was responsible for all mechanical, plumbing, and electrical design of (3) new buildings on site at the new Veterans Cemetery at Camp Villere National Guard Armory. The project included preparing plans and specifications for site utilities and infrastructure, and structural, mechanical, electrical, and plumbing systems for the three buildings. The project also involved mechanical and electrical design to support two sewer package plants and fuel storage and dispensing systems.</p> <p>The mechanical system design included split system air conditioning units for the administration building and office area, vehicle bay heating systems, and vehicle exhaust capture systems. Plumbing designs provided for toilet and break rooms, as well as fuel storage and fueling station for the cemetery maintenance equipment.</p>	
<p>Completion Date (Actual or estimated):</p> <p>Completed: June 2016</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$6,800,000	\$1,500,000



PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>East Bank Waste Water Treatment Plant Administration Building New Orleans, LA</p> <p>Reid Dennis, P.E. 504-865-0459</p>	<p>This project consisted of the complete demolition and replacement design of the New Orleans S&WB East Bank Waste Water Treatment Plant Administration Building. The project was FEMA funded and included assessment of damages, writing project worksheets with construction cost estimates for submittal to FEMA, preparing plans and specifications for a brand-new elevated building. Infinity Engineering's scope included, but was not limited to:</p> <ul style="list-style-type: none"> • Coordination with NOS&WB and FEMA personnel for strategic planning of replacement/repair operations. • Facilities and equipment demolition planning and design coordination. • Providing structural design for an elevated concrete slab building foundation. • Design of all mechanical and plumbing systems. • Design of all electrical power and lighting, fire alarm and detection systems. 	
<p>Completion Date (Actual or estimated):</p> <p>Completed: 2013</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$2,000,000	\$500,000



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. Not Applicable	Not Applicable	Not Applicable
2.		
3.		

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

Infinity Engineering Consultants, LLC is a dynamic, multi-discipline engineering consulting firm with specific expertise in providing designs for municipal, industrial, and marine projects. Infinity's in-house capabilities blend together the disciplines of civil, structural, mechanical, and electrical engineering to create a world-class organization capable of ushering a project from the earliest conceptual stages all the way to commissioning. With a portfolio ranging from multi-story building projects to structural design for marine docks, Infinity has the experience and vision to handle any engineering design challenge.

Located in Metairie, Louisiana and founded in 2004, Infinity's total full-time staff includes eleven (11) professional engineers, four (4) engineering interns, three (3) engineering graduates, nine (9) AutoCAD designers, and four (4) resident inspectors., and administrative support personnel. Infinity's team is comprised of licensed professional engineers with over 250 years of engineering experience, as well as junior engineers, designers, and drafters to support the firm's diverse skill set.

Infinity Engineering Consultants, LLC. is a registered DBE firm with the Louisiana Unified Certification Program for Disadvantaged Business Enterprises, the City of New Orleans, and the Regional Transit Authority of New Orleans. Additionally, Infinity Engineering is certified by the Louisiana Department of Economic Development as a Small and Emerging Business Enterprise (SEBD) and as a Small Entrepreneurship (SE), as part of the Hudson Initiative. Whenever possible, Infinity is committed to supporting and working alongside fellow emerging businesses and disadvantaged business enterprises.

Firm Capabilities

Infinity offers a wide range of **Civil Engineering** services, including all forms of earthwork, roadway, and drainage designs. We recognize that great civil design is the foundation for a successful project. Infinity is committed to providing civil solutions that will do more than just work; our goal is to provide designs that work effectively and efficiently. Civil Engineering project types include:

- Site Planning, Earthwork, & Foundations
- Drainage Systems and Roadway Design
- Traffic Marking Layout & Design
- Highway Infrastructure Evaluation
- Asphalt and Concrete Paving Systems
- Water and Wastewater Facilities

Infinity's team is comprised of proficient registered Professional Engineers capable in providing comprehensive **Structural Engineering** services, including the rehabilitation of old and design of new structures. Our team holds extensive experience in most modern building materials, including steel, concrete, timber, and composites. Structural Engineering capabilities include:

- Steel and Concrete Frames
- Building Foundations & Structures
- Marine Dock Structures
- Bridges
- Trestles & Causeways
- Bulkheads

Infinity offers a diverse array of **Mechanical Engineering** services across industrial, commercial, and municipal applications. Among the types of mechanical engineering projects within our team's capabilities are:

TEC Professional Services Questionnaire

- Process Equipment Sizing & Specifications
- Drainage & Sewer Lift Stations
- Piping & Instrument Drawing Development
- Process Piping Design
- HVAC & Plumbing Systems
- Product Loading/Offloading Facilities

Infinity's electrical engineering team holds a tremendous amount of **Electrical Engineering** design experience in support of commercial, municipal, and industrial projects. Electrical engineering design types include:

- Power and Lighting Plans
- One Line and Riser Diagrams
- Electrical Specifications
- Generator Packages
- Grounding Plans
- Motor Control Center Design

Infinity can provide **Construction Management and Inspection Services** for projects involving civil, structural, or mechanical. An experienced construction manager oversees all phases of construction, from contract award through commissioning. Having an experienced QA/QC inspector who is familiar with the nature of the work, and the support of a qualified engineering staff, is critical to the success of any engineering project. Our inspectors actively coordinate between the contractor and the client to understand the budget, maintain deadlines, and resolve any deviations in the field.

Advanced Measurements

To provide the most accurate site readings, Infinity has invested in advanced measurement technologies and a proficient team capable of collecting and interpreting difficult-to-obtain field data. Often, a project may require a visual inspection of a site that is either difficult or unsafe to access. Infinity's advanced measurement capabilities include drone technologies; allowing for safe and cost effective visual documentation. Infinity's advanced measurements capabilities include:

- Aerial Drone
- Underwater Drone
- Laser Scanning
- Aerial LiDAR

*Infinity is not authorized to directly perform boundary surveys. When required, Infinity will subcontract boundary surveying specialty services to a licensed professional land surveying firm.

Computer Design

Infinity is equipped to handle all our clients' drafting needs. Due to the diverse array of services offered, our drafting team is familiar and skilled at providing the multi-disciplinary effort that is often required to complete a job. Infinity offers drafting services in the most up-to-date versions of AutoCAD, REVIT, Civil 3D, Plant 3D, Navisworks, and Structural Steel Detailing.

Infinity Engineering Consultants, LLC.
rchauvin@infinityec.com
(504) 304-0548

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

Signature:  **Print Name:** Raoul V. Chauvin, III, P.E.
Title: Principal **Date:** March 30, 2023

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

Name:	Public Address:
Infinity Engineering Consultants, LLC	Mr. William Thomassie 4001 Division Street Metairie, Louisiana 70002

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003109	Active	03/09/2004	09/30/2024	Mr. William John Thomassie # PE.0027421 ; Mr. Raoul Vincent Chauvin III # PE.0028272

TEC Questionnaire
Bryant Hammett & Associates, LLC



Jefferson
Parish
State of Louisiana

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

State of Qualifications 23-007, As-Needed Mechanical and Electrical Engineering, Resolution 141493

B. Firm Name & Address:

Bryant Hammett & Associates, LLC
 1104 Dealers Avenue
 Harahan, LA 70123

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:

Bryant O. Hammett, Jr. PE/PLS
 Owner/Manager
 bhammett@bha-engineers.com
 504-733-8004

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.

Hugh McCurdy, III
 Professional Land Surveyor
 hmccurdy@bha-engineers.com
 504-733-8004

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

<u>3</u> Administrative	<u>0</u> Estimators	<u>0</u> Specification Writers
<u>0</u> Architects (Licensed)	<u>1</u> Geologists	<u>0</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>2</u> Civil Engineers	<u>0</u> Interior Designers	<u>3</u> Project Managers
<u>7</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>3</u> Clerical
<u>0</u> Ecologists	<u>8</u> Land Surveyor	<u>0</u> Grant/Funding Specialist
<u>0</u> Electrical Engineers	<u>0</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>0</u> Engineer Intern	<u>0</u> Environmental Engineers	
<u>2</u> Professional Land Surveyors		<u>32</u> 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.
NOT APPLICABLE

2.

H. Has this JOINT-VENTURE previously worked together? Please check:
 YES NO NOT APPLICABLE

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. NO SUBCONTRACTORS		
2.		
3.		

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

12

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:

Bryant O. Hammett, Jr.
Professional Engineer/Professional
Surveyor Owner/Manager

Project Assignment:

Principal and professional in charge of the project registered in Louisiana with a minimum of five years' experience in engineering

Name of Firm with which associated:

Bryant Hammett & Associates, LLC

Years' experience with this Firm:

38

Education: Degree(s)/Year/Specialization:

BSCE/1978/Civil Engineering

Active registration: Year first registered/discipline:

1983/Professional Civil Engineer, LA 1996/Environmental Engineering, LA
1985/Professional Land Surveyor, LA 1985/Civil Engineering, MS

Other experience and qualifications relevant to the proposed Project:

Bryant O. Hammett, Jr. P.E./P.L.S. is the sole proprietor and manager of Bryant Hammett & Associates, LLC. He founded in 1984, providing engineering and land surveying services for sewer, water, gas, streets, landfill, and drainage projects for public bodies, as well as for the private sector. Hammett has been the engineer of record for numerous types of projects, including wastewater collection and treatment; water treatment, transmission and distribution; natural gas distribution and transmission; electrical transmission; oil transmission; off-system bridges; levee systems; construction servitudes; and roadway and drainage.

As infrastructure manager for the Louisiana Office of Community Development's Disaster Recovery Unit, Hammett performed and oversaw professional civil, structural and/or transportation engineering work related to the planning, design, development, construction, and maintenance of projects funded under the LCDBG/DRU program. Such projects included capital improvements, storm water and drainage systems, wastewater systems, potable water systems, natural gas systems, fire protection systems, roads, bridges and utility systems.

Hammett manages a staff of highly qualified, experienced and licensed engineers, surveyors, technicians, cost estimators, GIS managers, certified floodplain managers, administrators, disaster recovery subject matter experts, inspectors, CADD operators and clerical support.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Hugh 'Bud' McCurdy, III Professional Land Surveyor
Project Assignment:
Project surveyor who is an employee and licensed by the State of LA with 50 years' experience
Name of Firm with which associated:
Bryant Hammett & Associates, LLC
Years' experience with this Firm:
7
Education: Degree(s)/Year/Specialization:
non-degreed
Active registration: Year first registered/discipline:
1991/Professional Land Surveyor, LA
Other experience and qualifications relevant to the proposed Project:
<p>Mr. McCurdy is a registered land surveyor in Louisiana with over 50 years' experience in land surveying, beginning his career as a rodman in 1973. McCurdy has worked with numerous engineering firms throughout Louisiana as a Professional Land Surveyor.</p> <p>He is involved in all aspects of boundary/property surveys for real estate transfer and the surveying required for engineering, rights-of-way acquisition, and construction projects, and is responsible for courthouse research and coordination of work. McCurdy has provided surveying services for oyster leases; pre- and post-dredging; construction projects, pipelines, accident sites, and boundary establishment. He is responsible for supervision of all field crew activities, drafting, property descriptions, plats, and all surveying-related operations.</p> <p>He conducts property surveys to establish rights-of-way, prepares legal descriptions for clients and attorneys. He has designed several subdivisions for development, providing surveys, prepare of plats, providing as-builts on all utilites, layout sewer and drainage, stake all utility structures,</p> <p>Mr. McCurdy has extensive experience in all types of surveying, including but not limited to property boundary surveys for real estate transfer; subdivision and re-subdivision of properties; topographic and hydrographic survey for engineering and construction; and preparation of legal descriptions for attorneys. He is registered with the Courts in Orleans, Jefferson, St. Tammany, and Plaquemines Parishes.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Jeff Carey, LSI Survey Technician	
Project Assignment:	
Management of all survey crews, budgeting, review	
Name of Firm with which associated:	
Bryant Hammett & Associates, LLC	
Years' experience with this Firm:	
11	
Education: Degree(s)/Year/Specialization:	
BS/2009/Disaster Management	
Active registration: Year first registered/discipline:	
2022/Land Surveyor Intern, LSI.0000748	2012/ FEMA Substantial Damage Estimator (SDE) 1.1
2010/ASFPM Certified Floodplain Manager US-10-05305	2012/Certified Construction Inspector, National Stormwater Center
2022/ATSSA Traffic Control Supervisor, Technician & Flagger	
2012/Contractors License: Residential Construction	
Other experience and qualifications relevant to the proposed Project:	
<p>As a survey technician for Bryant Hammett & Associates, Mr. Carey manages field work, collects data in the field and performs field-checking duties at project completion. He manages boundary and topographic surveys and all surveying activity required for engineering, rights-of-way and construction projects. He is involved in all aspects of land surveying projects, including land descriptions and elevation certificates.</p> <p>He has managed several projects from project execution to completion on numerous pipeline construction projects, roadway projects, levee construction projects, property boundary surveys, cadastral surveys, topographic surveys, differential GPS real time hydrographic surveys, GPS static surveys for horizontal and vertical control, planimetric surveys, elevation surveys and subdivision layout. Mr. Carey is responsible for maintaining communication with field and office personnel to determine potential job issues, serves as a client liaison, reports on project status and cost reporting, and manages the day-to-day scheduling of survey work.</p> <p>In previous roles with BHA, Mr. Carey served as a HMGP Program Coordinator. He was the field activity team lead for the construction monitoring of Jefferson Parish HMGP and SRL and Orleans SRL contracts.</p>	

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:	
East Bank Jefferson Parish Animal Adoption and Services Facility Jefferson Parish, LA Jefferson Parish Capital Projects 504-736-6833	BHA provided a topographic and boundary survey of ~three acres containing the existing Animal Shelter. All topographic data was collected such as ditches, pavement, existing structures, fences, tree lines, etc. Utility data such as valves, hydrants, utility poles, drainage features including pipe inverts, etc. A boundary survey was performed of the portion of Tract A, and easements, servitudes and improvements were plotted. An elevation certificate determining the BFE and the flood zone was produced.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2021	Unknown	~\$13,000

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Long Distance Sediment Pipeline Phase 2 and Alternate Route Jefferson Parish Department of Coastal Management (504) 736-6653	BHA provided topographic and cross section surveying and mapping for approximately 12.5 miles of marsh land and shoreline for a marsh creation and pipeline access corridor project approximately 60 miles above Head of Passes. Phase 2 will incorporate previously permitted borrow areas and pipeline routes (MVN-2009-1353-EFF) to deliver sediment to the new Phase 2 corridor	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2021	Unknown	\$105,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Privateer & Joan Marie Lift Station and Force Main Improvements, SCIP D4508 Jefferson Parish Sewerage Department (504) 736-6661	BHA performed a topographic, hydrographic, magnetometer, boundary, and utility survey of approximately four miles of Jean Lafitte Blvd for force main improvements. Permitting, Staking and Inspection services were/are also performed.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2021	unknown	Survey: \$121,660

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Wright Avenue Force Main Replacement Jefferson Parish Sewerage Department (504) 736-6661	BHA performed a topographic survey in support of a force main replacement project. For approximately 2.5 miles, BHA established control points; collected topographic features such as culverts, pavements, inlets, trees, water's edge, fences, driveways, etc; collected cross section data every 100 feet and random ground shots to identify ground slopes; collected visible utility features and invert/pipe data. More detail was needed at eight areas involving canals, existing utilities, force mains, roadways, apparent encroachment, and elevation data was collected on a 20-foot grid	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2018	unknown	\$75,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Muss Bertolino Park Jefferson Parish Jefferson Parish Capital Projects 504-736-6833	BHA provided the surveying and mapping in support of Park Improvements of Muss Bertolino Park, which is located on West Esplanade Ave in Kenner, Louisiana A topographic, utility and cross section survey was performed. The limits included the baseball fields, gym, and adjacent parking lots. Finished floor elevations were collected for all buildings, and elevations were collected on a 25-ft grid. BHA performed the necessary research, calculations, and field work to identify the boundary between the Park and School. BHA collected the centerline of the canal elevation near the drainage structure that runs underneath West Esplanade Ave.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2023	unknown	\$29,260

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Avenue A. Drainage Improvements Jefferson Parish Jefferson Parish Dept of Public Works 504-736-6833	BHA provided a topographic, utility and right of way survey of Avenue E and the intersecting side streets Iona, Hector, Betz, Vincent, and Stella, including outfall pipes in the 17th Street Canal and the overhead transmission line. The retaining wall structure along the 17th St. Canal at the proposed outfall area was identified. Manhole inverts for drainage and sewerage lines were obtained in the field. BHA performed the necessary research and field work to identify the right-of-way along each street included within the project limits.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
November 2022	unknown	\$50,530

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Rose & Papworth Sewer Lift Station Jefferson Parish Sewerage Department (504) 736-6661	BHA provided a topographic and utility survey for emergency repair to a sewer lift station at the intersection of Rose and Papworth. Visible and accessible utility features were surveyed and mapped, such as valves, hydrants, meters, utility poles, utility boxes, overhead electric lines, communication systems, etc. Manhole inverts for drainage and sewerage lines were obtained in the field, and apparent right-of-way was established.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
February 2023	unknown	\$5,650

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Dickory Avenue Extension (Hickory Ridge Lane to Jefferson Hwy, LA 48) Jefferson Parish, LA Jefferson Parish Capital Projects 504-736-6833	BHA performed a topographic, cross-section, and utility survey of proposed extension corridor connecting Dickory Ave and Jefferson Hwy: X-sections every 100 ft; all topographic and drainage features were collected; drainage inverts were collected. A drainage map was developed including drainage patterns, structure sizes and inverts. The drainage map showed the survey line, the outline of the watershed area, and all structures/ditches. All surveying procedures and drafting were in accordance with LA DOTD.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2021	unknown	\$101,540

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Veterans Memorial Blvd. Multi-Use Path and Improvements Project Jefferson Parish Jefferson Parish Capital Projects 504-736-6833	Bha provided a topographic, utility, and cross section survey along the Southern half of Veterans Memorial Blvd. from the Soniat Canal to Downs Blvd for infrastructure improvements needed to improve bicycle access, pedestrian and cross corridor access, ADA compliance, public transit access, landscaping/beautification, etc. Topographic, cross section and utility surveys were performed.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2021	unknown	\$30,000

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Holmes Blvd Improvements Jefferson Parish Jefferson Parish Public Works 504-736-6783	BHA performed a topographic survey of ~8,000 linear feet along Holmes Blvd from Terry Parkway to Behrman Hwy for . Services included: Locating trees, pavement types, water meters, sewer clean-outs, fences, manholes, drainage structures, gas meters, traffic signals, and all other visible topographic features. Establishing apparent property lines. Plotting existing utilities from record drawings. Setting permanent benchmarks. Establishing a baseline. Collect cross section data at 50' intervals.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2018	unknown	\$57,350

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. NOT APPLICABLE	NOT APPLICABLE	
2.		
3.		
4.		

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

1. Professional Training and Experience :

Bryant Hammett & Associates, LLC (BHA) is a Louisiana-based Limited Liability Corporation multi-disciplinary consulting land surveying, civil engineering, and disaster response firm which provides professional services for various governmental and private concerns. BHA was first organized in Concordia Parish in August 1984, starting as a small 4-member firm providing civil engineering and land surveying services to surrounding municipalities. Since then, the firm has grown to operate offices in Plaquemines, Jefferson, East Baton Rouge, and Concordia parishes.

BHA employees licensed and experienced professional land surveyors and civil and environmental engineers and, each with decades of performance. The firm has been the surveyor and engineer of record for numerous types of projects and offers the following survey services: boundary surveys; ALTA surveys, hydrographic surveys, topographic surveys, right-of-way determination, control and benchmarks, wetlands delineation, construction surveys, utility layout, pipeline surveys, elevation certificates and subdivision design and layout.

TEC Professional Services Questionnaire

BHA professionals have extensive experience in the services required to support sewer infrastructure design and improvements, having performed the surveying required for complete subdivision designs, master drainage plans, lift station construction and relocation, and force main installation and relocation. Data is collected and utilized to capture the terrain, vegetation, drainage patterns, ground elevations, improvements, pavements, culverts, manholes, ground slopes, ditches, roadways and utilities to aid the design work which could include wastewater treatment plant improvements, new lift stations, sewer line and sewer manhole replacement

2. Capacity for Timely Completion:

Based on the current and projected project workload and schedule, BHA is capable of allocating the necessary resources and manpower required to fulfill the requirements of this engagement in a timely fashion. BHA currently has the professional and support personnel available to provide the required services and initiate those services once authorized to proceed. BHA maintains a strong working relationship with the client to protect their interests and accomplish project goals in a cost effective, responsive, and responsible manner.

BHA maintains a staff of highly qualified, experienced, and licensed engineers, surveyors, technicians, cost estimators, GIS managers, certified floodplain managers, administrators, disaster recovery subject matter experts, inspectors, CADD operators and clerical support ensuring availability of professional and support personnel no matter the project.

No project in which BHA has been involved has been jeopardized because of failure to meet schedules. BHA has not been involved in any projects that were jeopardized because of cost overruns, or because inadequate designs were rejected by parish, state, or federal review agencies.

3. Location of Principal Office Where Work Will be Performed:

BHA's central locations allow us to work easily throughout Louisiana, however all work for this project will be performed out of our Harahan, LA office in Jefferson Parish.

4. Adversarial Legal Proceedings between the Parish and the Person or Firm:

BHA has no prior or on-going litigation with Jefferson Parish.

5. Prior Successful Completion of Projects of the Type and Nature of the Engineering Services:

As illustrated in Section L, as well as in number 7 below, BHA has successfully completed dozens of projects providing professional survey services.

TEC Professional Services Questionnaire

6. Size of Firm:

Bryant Hammett & Associates has grown from a small four-member firm in 1984 to 32 full-time employees today. The firm began by primarily serving local municipalities. The team at BHA worked, and continues to work, with these clients in coordinating, permitting, and securing funding sources through grants and bonds. Our executive management team has been working together since 1984 and has achieved a wealth of knowledge of engineering, surveying and the governmental permitting and funding processes. As a small business, the BHA Team is flexible and able to adapt to changing circumstances quickly and efficiently, as well as develop close relationships with clients to intimately understand project needs from inception to completion. Employees are cross-trained, ensuring that no facet of a project will ever be delayed.

BHA maintains a staff of highly qualified, experienced, and licensed engineers, surveyors, technicians, cost estimators, GIS managers, certified floodplain managers, administrators, disaster recovery subject matter experts, inspectors, CADD operators and clerical support ensuring availability of professional and support personnel no matter the project.

7. Past Performance by Person of Firm on Parish Contracts:

For the past several years, BHA has been qualified as a professional firm qualified to perform engineering and surveying services for Jefferson Parish. Below is a listing of several projects performed directly for Jefferson Parish.

Privateer & Joan Marie Lift Station
Melrose and Upstream Sewer Lift Station
5th and 9th Street Lift Station Upgrades
Ridgewood Drive Rehabilitation
Privateer Blvd Boundary
Marrero WWTP
Wright Avenue Force Main
Oakwood Smart Growth-Whitney Avenue and WB
BUDMAT Barataria Waterway
JPRD Golf Driving Range
Independence Park Drainage Improvements
Woodmere Playground
Hesper St. Boundary
Dickory Avenue Extension
Manley St. Boundary
Goose Bayou Hydrographic Survey (post-Ida)
Lower Jefferson Waterway Debris Removal
Over 400 individual property elevation certificates
Covid and Memorial Park
Avenue E Drainage Improvements
Live Oak Waterline Replacement
Rose and Papworth Lift Station

TEC Professional Services Questionnaire

BHA regularly provides **surveying for engineering consultants in Jefferson Parish**. Below is a listing of several surveying projects located in Jefferson Parish performed or in process for engineering consultants in the Parish.

City of Gretna Drainage Improvements
Long-Distance Sediment Pipeline
Goose Bayou/Penn Levee
LALD-Lafitte Tidal Protection-Lower Barataria Basin
Harahan Wilson Sewer Improvements
Florence Street Drainage Improvements
Ridgelake Drive Drainage Improvements
Parc Des Families Dock
Bainbridge Canal Closure and Roadway Improvements
Parc Des Families Soccer Fields
Brown Foundation Ornamental Garden
Crown Point Drainage Improvements
Kennedy Heights Playground
Johnny Jacobs Playground
Jefferson Parish Animal Care and Service Facility
JPRD Saints Drive Girls Complex
King Avenue Roadway Rehabilitation
Zatarain's Gretna Facility Upgrade
Lincoln Manor Drainage Improvements
Lift Station F8-5 Cleary and West Esplanade
3rd Street Drainage Improvements
Lafitte Bridge Park Improvements
JPRD LaSalle Soccer Fields Improvements
Laffite Levee Path Phase 4
Brown Avenue Linear Park
City of Kenner Highway Park Subdivision Resubdivision

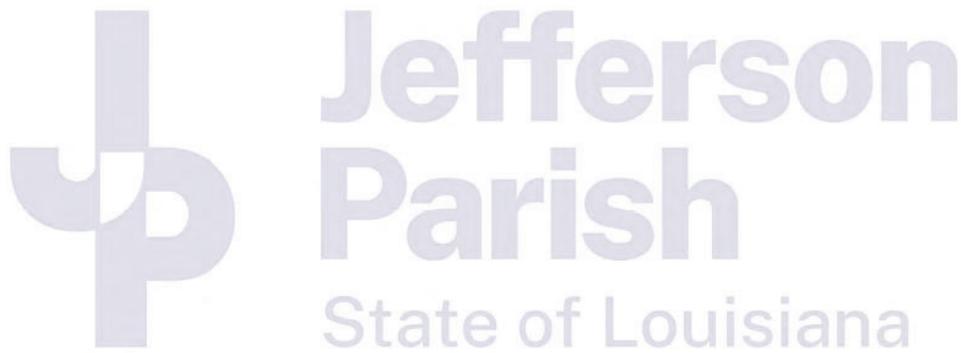
Jefferson Parish has actively participated in HMGP and HMA Funding since 2006. BHA personnel have been involved with Jefferson Parish in over \$280 million in funding grants for the home elevation program, in response to Hurricanes Katrina, Rita, Gustav, Ike and Isaac in the cities of Kenner, Gretna, Harahan, Westwego, Grand Isle, Jean Lafitte, Metairie, Marrero, River Ridge, Harvey, Barataria. BHA has been responsible for **Construction Supervision Services for Jefferson Parish's HMA Grant Program** for fiscal years 2013, 2014, 2015, 2016, 2017, 2018, and 2019 and HMGP projects for Katrina/Rita, Gustav/Ike, and Isaac.

- Jefferson Parish Construction Supervision of 2020 FMA and PDM Grant Funding: 167 properties, \$31 million
- Jefferson Parish Construction Supervision of 2019 FMA and PDM Grant Funding: 178 properties, \$27 million
- Jefferson Parish Construction Supervision of 2018 HMGP and HMA Grant Funding: 79 properties, \$15.8 million
- Jefferson Parish Construction Supervision of 2017 HMGP and HMA Grant Funding: 126 properties, \$17.3 million

TEC Professional Services Questionnaire

- Jefferson Parish Construction Supervision of 2015/2016 HMGP and HMA Grant Funding: 313 properties, \$30 million
- Jefferson Parish Construction Supervision of 2014 HMA Grant Funding: 50 properties, \$8.8 million
- Jefferson Parish Severe Repetitive Loss Program: 380+ properties, \$60 million
- Jefferson Parish Katrina/Rita HMGP: 450+ properties, \$83 million
- Jefferson Parish Gustav/Ike Recalculation HMGP: 130+ properties, \$30 million
- Jefferson Parish Isaac HMGP: 70+ properties, \$11 million

BHA currently manages Jefferson Parish's **Disaster Recovery Homeowner Repair Program for Residential Properties** through the Office of Community Development, where the construction supervision of approximately 160 individual properties is managed, including the monitoring of plans and construction to ensure compliance with applicable federal, state, and local guidance and to ensure all grant funds expended are allocated and used according to award requirements.



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

Signature:  Print Name: Bryant O. Hammett, Jr. P.E./P.L.S

Title: Owner/Manager Date: March 27, 2023



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/17/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Bryant O'Dare Hammett Jr.
6885 Highway 84
Ferriday, Louisiana 713345110

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Bryant O'Dare Hammett Jr.		
License/Certificate Type - Number	Expiration Date	
PLS.0004552	03/31/2024	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer

All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/22/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Bryant O'Dare Hammett Jr.
6885 Highway 84
Ferriday, Louisiana 713345110

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Bryant O'Dare Hammett Jr.		
License/Certificate Type - Number	Expiration Date	
PE.0020605	03/31/2024	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/30/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Hugh Boyd McCurdy III
239 Spring Rose Drive
Belle Chasse, Louisiana 70037

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Hugh Boyd McCurdy III	
License/Certificate Type - Number	Expiration Date
PLS.0004647	03/31/2025
Status: Active	
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

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If you need to make changes to your contact information, please choose one of the following options below:

Contact update for [Individuals and Firms](#)

License/Certificate Types:

EF = Engineering Firm

VF = Land Surveying Firm

CPD = Continuing Professional Development Sponsor/Provider

*PE = Professional Engineer

*PLS = Professional Land Surveyor

*EI = Engineer Intern

*LSI = Land Surveyor Intern

*PE Discipline Codes

AG	Agricultural	ME	Mechanical
AR	Architectural	MI	Mining or Mineral
CH	Chemical	MT	Metallurgical
CE	Civil	MU	Manufacturing
CS	Control Systems	NV	Naval Architecture & Marine
EE	Electrical & Computer	NU	Nuclear
EV	Environmental	ST	Structural *
FP	Fire Protection	PT	Petroleum
IE	Industrial		
* An engineer that has passed the Structural I exam is listed as a Civil Engineer. An engineer that has passed both the Structural I and II exams is listed as Structural (ST) and a Civil (CE) Engineer.			

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



Name: Bryant Hammett & Associates, LLC
Public Address: Mr. Bryant Hammett, Jr 6885 Highway 84 West
 Ferriday, Louisiana 713345110

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000009	Active	09/11/1984	03/31/2024	Mr. Bryant O'Dare Hammett Jr. # PLS.0004552 - Active

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



Name: Bryant Hammett & Associates, LLC
 Public Address: Mr. Bryant Hammett, Jr 6885 Highway 84 West
 Ferriday, Louisiana 713345110

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000056	Active	09/11/1984	03/31/2024	Mr. Charles Keith Capdepon Jr. # PE.0022157 - Active

TEC Questionnaire
Gulf South Engineering and Testing, Inc.



**Jefferson
Parish**
State of Louisiana

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Mechanical and Engineering Services

SOQ 23-007 | Resolution No. 141493

B. Firm Name & Address:



Gulf South Engineering and Testing, Inc.

15 Veterans Memorial Boulevard
Kenner LA 70062

C. Name, title, & 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:

Chad M. Poché, P.E., Principal/Vice President

telephone 504-305-4401 • cpoche@gulfsoutheng.com

Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

D. Name, title, & 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.

Chad M. Poché, P.E., Principal/Vice President

telephone 504-305-4401 • cpoche@gulfsoutheng.com

Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

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

6	Administrative	-	Geologists	1	Graduate Engineers (EI)
-	Architects (Licensed)	1	Geotechnical Engineers	-	Project Managers
-	Chemical Engineers	-	Interior Designers	-	Clerical (<i>see Administrative</i>)
-	Civil Engineers	-	Landscape Architects	-	Grant/Funding Specialist
15	Construction Inspectors	-	Land Surveyor (<i>*see PLS</i>)	-	Sanitary Engineers
-	Ecologists	-	Mechanical Engineers	1	Construction Svcs Managers
-	Electrical Engineers	-	Environmental Engineers	1	CMT Supervisors
-	Engineer Intern	-	Specification Writers	3	CMT Project Managers
1	Professional Land Surveyors	-	Structural Engineers	1	Field Engineer
-	Estimators			2	Laboratory Manager
				2	Laboratory Technician
				1	Soil Boring Driller
				1	Soil Boring Driller Apprentice
				36*	TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES _____ NO X

If marked "No", skip to Section I. If marked "yes", complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by a 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 _____ N/A

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 Prime 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:

36 (all personnel will be available to the project; individuals to be assigned)

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., résumé) that demonstrates the employment history 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:

Chad M. Poché, P.E.
Vice-President

Project Assignment:

Engineering Manager; Geotechnical Engineer

Name of Firm with which associated:



Years experience with this Firm:

12 years with this firm (2011); 30 years total (1993)
BFM Corporation, LLC | 2017 to present
Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Eustis Engineering | 1996 to 2001
Soil Testing Engineers, Inc. | 1993 to 1996

Education: Degree(s)/Year/Specialization:

M.S., 1998, Civil Engineering, University of New Orleans
B.S., 1993, Civil Engineering, Louisiana State University

Active registration: Year first registered/discipline:

1998, Civil Engineer, Louisiana No. 27667
2002, Civil Engineer, Mississippi No. 15405

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E., is Vice President, co-founder, and a Principal in Gulf South. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career. Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations and serving as an Expert Witness.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA. Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2021)

Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side. (\$35,000 (fee); 2022)

Jefferson Parish Department of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA. Project consisted of the construction of a new warehouse for the Jefferson Parish Department of Public Works. Scope included performing a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing & inspection, earthwork testing & inspection including soil sampling and field density tests, steel inspection, and asphalt testing and inspection. (\$90,000 (fee); 2017)

Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.), Jefferson Parish, LA. Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings. (\$17,500 (fee); 2014)

Snakefarm Entergy Substation (David Drive), Kenner, Jefferson Parish, LA. Geotechnical investigation for construction of new T-Line off David Drive in Kenner, LA. Gulf South's scope includes drilling four 70 ft. undisturbed soil borings, lab testing, and engineering analyses including allowable soil bearing values, allowable piles/shaft load capacities, estimates of settlement, soil resistivity values, lateral earth pressures, modulus of subgrade reaction, soil to concrete friction factor, pile design parameters, and general construction procedures and recommendations. (\$24,000 (fee); 2018)

Harvey Volunteer Fire Department New Truck Maintenance Facility (Rochelle Avenue), Harvey, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new truck maintenance facility for the Harvey Volunteer Fire Department on Rochelle Avenue in Harvey, LA. The scope of services includes drilling six undisturbed soil borings (depths of 60 feet and 6 feet below ground surface), laboratory testing, engineering analyses (foundation, paving, fill, and surcharge recommendations) and general construction procedures and recommendations. (\$9,500 (fee); 2021)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Joseph H. "Trey" Binder, III
Laboratory Manager

Project Assignment:

Laboratory Manager; Laboratory Technician

Name of Firm with which associated:**Years experience with this Firm:**

12 years with this firm (2011); 17 years total (2006)

Gulf South Engineering and Testing, Inc. | 2011 to present

Ardaman and Associates, Inc. | 2007 to 2011

Soil Testing Engineers, Inc. | 2006 to 2007

Education: Degree(s)/Year/Specialization:

A.D., 2011, General Studies, Nunez Community College

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Trey Binder has direct experience with field and laboratory testing services. Mr. Binder's field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring.

- HAZMAT Awareness
- HAZMAT Operations Training
- ACI Aggregate Base Testing Technician
- ACI Concrete Strength Testing Technician

In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.

Snakefarm Entergy Substation (David Drive), Kenner, Jefferson Parish, LA. Geotechnical investigation for construction of new T-Line off David Drive in Kenner, LA. Gulf South's scope includes drilling four 70 ft. undisturbed soil borings, lab testing, and engineering analyses including allowable soil bearing values, allowable piles/shaft load capacities, estimates of settlement, soil resistivity values, lateral earth pressures, modulus of subgrade reaction, soil to concrete friction factor, pile design parameters, and general construction procedures and recommendations. (\$24,000 (fee); 2018)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA. Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2021)

Green Acres Road – New Street Lighting, Metairie, Jefferson Parish, LA. Geotechnical investigation for construction of a new street lighting along Green Acres Road (Airline Highway to West Metairie Boulevard) in Metairie, LA. Gulf South's scope includes drilling two undisturbed soil borings (depths of 24 ft), lab testing, and engineering analyses including subsoil properties, and general construction procedures and recommendations. (\$4,500 (fee); 2019)

Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)

Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.), Jefferson Parish, LA. Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings. (\$17,500 (fee); 2014)

Training Facility - New Airnasium and Paved Areas, Jefferson Parish Fire Department, Bridge City, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new fire station training facility consisting of an airnasium (open-air pavilion) structure and heavy duty pavement in Bridge City, LA. Gulf South's scope includes drilling three undisturbed soil borings (b.g.s.; one at 50 ft., two at 6 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$6,000 (fee); 2020)

Entergy Sydney Substation, St. James Parish, LA. Geotechnical investigation for proposed substation and T-Line construction at the subject site on LA Highway 3127. Gulf South's scope includes drilling six undisturbed soil borings (each to a depth of 70 feet) and provision of engineering analyses including allowable soil bearing values, allowable pile/shaft load capacities, estimate of settlement, soil resistivity values, lateral earth pressures, modulus of sub-grade reaction, pile design parameter, and general construction recommendations. (\$34,000 (fee); 2018)

Harvey Volunteer Fire Department New Truck Maintenance Facility (Rochelle Avenue), Harvey, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new truck maintenance facility for the Harvey Volunteer Fire Department on Rochelle Avenue in Harvey, LA. The scope of services includes drilling six undisturbed soil borings (depths of 60 feet and 6 feet below ground surface), laboratory testing, engineering analyses (foundation, paving, fill, and surcharge recommendations) and general construction procedures and recommendations. (\$9,500 (fee); 2021)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Bryson S. Beard, E.I.

Associate Geotechnical Engineer/Field Engineer

Project Assignment:

Associate Geotechnical Engineer/Field Engineer

Name of Firm with which associated:

ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

1 year with this firm (2022); 2 years total (2021)

Gulf South Engineering and Testing, Inc. | 2022 to present

TetraTech, Inc. | 2021 to 2022

Education: Degree(s)/Year/Specialization:

B.S., 2021, Geological Engineering, University of Southern Mississippi

Active registration: Year first registered/discipline:

Georgia, Engineering Intern (No. EIT029180, 2022)

Louisiana P.E. License In Process

Other experience and qualifications relevant to the proposed Project:

Bryson S. Beard, E.I., is an Associate Geotechnical Engineer/Field Engineer who serves as a Project Manager. Experience includes geotechnical engineering analyses consisting of shallow & deep foundations, slope stability, settlement, pavement design, etc., and has prepared engineering reports. Mr. Beard's experience in the field includes surface and subsurface

soil sampling, water sampling, and soil classification. This experience also includes core logging & oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. Further, Mr. Beard is a START V Region 4 Responder, and can be used whenever there is a large spill/release of harmful chemical or substance.

Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

- 40-hour HAZWOPER (Hazardous Materials Field Work), since 2021
- Fundamentals of Engineering Exam, NCEES, 2022
- ACI Concrete Field Testing Technician - Grade I (No. 02206940)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Bryson S. Beard, E.I. (continued)

Sewer Lift Station No. F6-2 (W. Napoleon Blvd.), Metairie, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for upgrading an existing below grade sewer lift station (No. F6-2) off West Napoleon Boulevard in Metairie, LA. Gulf South's scope includes drilling a single boring to a depth of 60 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations. (\$5,000 (fee); 2022)

Lift Station Upgrade (24th St. and Delaware Ave.), City of Kenner, LA. Geotechnical engineering services for construction of a new generator pad and wet well located at 24th Street and Delaware Avenue in Kenner, LA. Gulf South's scope of services includes drilling two borings to a depths of 70 feet (1 boring for wet well) and 50 feet (1 boring for generator pad) below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Charity Hospital Building Redevelopment Project, New Orleans, LA. Gulf South provided all construction materials and environmental testing for the project, which involved the complete renovation of the Charity Hospital Building (more than 1 million sf) in New Orleans. Inspection and testing consisted of soil borings, laboratory testing, asbestos abatement, concrete testing, mortar testing, steel coupon testing, concrete coring, and building envelope testing. The project is valued at \$500 million. (\$200,000 (est. fee); ongoing)

Lift Station Rehabilitation (Wildcat Lane), Destrehan, St. Charles Parish, LA. Geotechnical engineering services for rehabilitation of an existing below grade sewer lift station off Wildcat Lane in Destrehan, LA. Gulf South's scope includes drilling a single boring to a depth of 70 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations. (\$5,800 (fee); 2022)

Chateau Transfer Station Upgrade, City of Kenner, LA. Geotechnical engineering services for the upgrades of an existing below grade sewer lift station (Chateau Transfer Station) in Kenner, LA. Gulf South's scope of services includes drilling two undisturbed soil borings to depths of 70 and 30 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Bayou Country Sports Park (Valhi Connector Road), Houma, Terrebonne Parish, LA. Geotechnical engineering services for the construction of a paved roadway alignment off Valhi Road and connecting existing paved roadway within Bayou Country Sport Park facility in Houma, LA. Gulf South's scope includes drilling two undisturbed soil borings to depths of 10 feet below the ground surface, laboratory testing, engineering analyses (pavement design recommendations), and general construction procedures and recommendations. (\$4,000 (fee); 2019)

New Elevated Storage, Eden Isles Subdivision, Slidell, St. Tammany Parish, LA. Geotechnical engineering services for the construction of a new elevated storage building for wet well and GAC filter units off Marina Drive in Slidell, LA. Gulf South's scope includes drilling two undisturbed soil borings to depths of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$3,500 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Evan O. Poché
Engineering Technician

Project Assignment:

Engineering Technician

Name of Firm with which associated:**Years experience with this Firm:**

7 years with this firm (2016); 7 years total (2016)
Gulf South Engineering and Testing, Inc. | 2016 to present
BFM Corporation, LLC | 2019 to 2020

Education: Degree(s)/Year/Specialization:

B.A., Political Science (2021; Millsaps College)
Degree Program, Criminal Justice (2016 - 2019; Mississippi College)
High School Diploma (2016; Jesuit HS; Cum Laude with Honors)

Active registration: Year first registered/discipline:**Other experience and qualifications relevant to the proposed Project:**

Since joining Gulf South, Evan Poché has served as an engineering technician with the soil boring drill crew, within the soils' laboratory, and on construction projects as needed. His duties and responsibilities have included leading a drill crew, staking boring sites, supervising clearing contractors, data entry, testing soil for engineering properties of strength and classification, soil boring logging, vibration monitoring, and concrete testing and inspection. Laboratory tests performed include unconfined shear tests, moisture content tests, density tests, Atterberg limits tests, grain size sieve analyses, organic content tests and concrete strength breaks.

New Building and Paved Areas, Jefferson Parish Transit Facility, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new two-story (7,300 sf) building located at 1118 David Drive in Kenner, LA. Field investigation included drilling four undisturbed soil borings (depths below the ground surface of 60 ft for the new building and 10 feet for the new paved area) and sampled on 5 foot centers. Laboratory testing included strength tests, classification tests, with other testing as appropriate. Geotechnical engineering evaluation characterized the subsoil conditions of the site and developed engineering recommendations and analyses (allowable soil bearing values, allowable pile load capacities, estimate of settlement, pavement design, and general construction procedures and recommendations. (\$8,900 (fee); 2020)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Evan O. Poché (continued)

Training Facility - New Airnasium and Paved Areas, Jefferson Parish Fire Department, Bridge City, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new fire station training facility consisting of an airnasium (open-air pavilion) structure and heavy duty pavement in Bridge City, LA. Gulf South's scope includes drilling three undisturbed soil borings (b.g.s.; one at 50 ft., two at 6 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$6,000 (fee); 2020)

Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Treasure Chest Casino, Kenner, Jefferson Parish, LA. Geotechnical engineering services for the construction of a casino facility (Treasure Chest) in Kenner, LA. Gulf South's scope includes drilling 20 undisturbed soil borings to depths of 8, 60, 80 & 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$53,760 (fee); 2020)

Geotechnical Exploration Proposal for the Lafreniere Park Healthtrack, Metairie, Jefferson Parish, LA. Gulf South was selected to provide a Geotechnical Exploration for the project site which consists of the reconstruction of the existing exercise walkway and the addition of approximately 1,000 feet of new walkway at Lafreniere Park in Metairie, LA. The existing walkway is approximately 2.5 miles long and will consist of the removal and reconstruction of the pavement and base using an asphalt paved section. The new section will consist of a concrete paved walkway. Gulf South's scope of work includes subsurface exploration, associated geotechnical laboratory testing, and engineering services based upon outlined project requirements. (\$12,000 (fee); 2022)

City of New Orleans Municipal Yacht Harbor Fishing Pier and Restroom, City of New Orleans, LA. Gulf South performed the Geotechnical Investigation for the project, which consists of a new fishing pier and restroom building at the Municipal Yacht Harbor along the south shore of Lake Pontchartrain in New Orleans, LA. The restroom will be an elevated structure, approximately 700 square feet, and constructed on land. The pier will be approximately 300 to 400 feet in length and extend from shore into Lake Pontchartrain. The project involves field investigation, laboratory testing, and geotechnical engineering services. (\$42,070 (fee); 2023)

Dellwood Drainage Pump Station Improvement (Sun Valley Drive & Front Street), City of Slidell, LA. Geotechnical engineering services for construction improvements to the existing drainage pump station at the end of Sun Valley Drive and Front Street in Slidell, LA. Gulf South's scope of services includes drilling a single boring to a depth of 50 feet below the ground surface, laboratory testing, engineering analyses (bearing values, settlement, pile and shaft capacities) and general construction procedures and recommendations. (\$4,000 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Ian Kerner Poché
Assistant Laboratory Supervisor

Project Assignment:

Assistant Laboratory Supervisor

Name of Firm with which associated:**Years experience with this Firm:**

6 years with this firm (2017); 6 years total (2017)
Gulf South Engineering and Testing, Inc. | 2017 to present

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:**Other experience and qualifications relevant to the proposed Project:**

Ian Poché has worked in Gulf South's laboratory for several years and has experience with virtually every type of soil test. He has also helped when needed in the CMT department and has concrete testing experience.

Training Facility - New Airnasium and Paved Areas, Jefferson Parish Fire Department, Bridge City, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new fire station training facility consisting of an airnasium (open-air pavilion) structure and heavy duty pavement in Bridge City, LA. Gulf South's scope includes drilling three undisturbed soil borings (b.g.s.; one at 50 ft., two at 6 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$6,000 (fee); 2020)

Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane in Grand Isle. Gulf South's scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall. (\$7,500 (fee); 2020)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ian Kerner Poché (continued)

New Building and Paved Areas, Jefferson Parish Transit Facility, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new two-story (7,300 sf) building located at 1118 David Drive in Kenner, LA. Field investigation included drilling four undisturbed soil borings (depths below the ground surface of 60 ft for the new building and 10 feet for the new paved area) and sampled on 5 foot centers. Laboratory testing included strength tests, classification tests, with other testing as appropriate. Geotechnical engineering evaluation characterized the subsoil conditions of the site and developed engineering recommendations and analyses (allowable soil bearing values, allowable pile load capacities, estimate of settlement, pavement design, and general construction procedures and recommendations. (\$8,900 (fee); 2020)

Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (fee); 2022)

Geotechnical Exploration Proposal for the Lafreniere Park Healthtrack, Metairie, Jefferson Parish, LA. Gulf South was selected to provide a Geotechnical Exploration for the project site which consists of the reconstruction of the existing exercise walkway and the addition of approximately 1,000 feet of new walkway at Lafreniere Park in Metairie, LA. The existing walkway is approximately 2.5 miles long and will consist of the removal and reconstruction of the pavement and base using an asphalt paved section. The new section will consist of a concrete paved walkway. Gulf South's scope of work includes subsurface exploration, associated geotechnical laboratory testing, and engineering services based upon outlined project requirements. (\$12,000 (fee); 2022)

Treasure Chest Casino, Kenner, Jefferson Parish, LA. Geotechnical engineering services for the construction of a casino facility (Treasure Chest) in Kenner, LA. Gulf South's scope includes drilling 20 undisturbed soil borings to depths of 8, 60, 80 & 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$53,760 (fee); 2020)

New Public Works Maintenance Barn, City of Covington, St. Tammany Parish, LA. Geotechnical investigation for a new pre-engineered building (approx. 8900 sf; metal-framed) at 1300 West 27th Avenue in Covington, LA. Gulf South's scope includes drilling two undisturbed soil borings to a depth of 30 feet, lab testing, and engineering analyses including allowable soil bearing values, allowable shaft load capacities (as appropriate), estimates of settlement, and general construction procedures and recommendations. (\$5,500 (fee); 2018)

Waste Transfer Facility (24th Street), City of Kenner, LA. Soil boring investigation for construction of a new waste transfer facility off 24th Street in Kenner, LA. Gulf South's scope includes drilling three undisturbed soil borings (one at 50 ft.; two at 10 ft.), laboratory testing, and engineering analyses including sheetpile wall design parameters, estimates of settlement, fill recommendations, rigid/flexible/aggregate pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Cody Barrois
Soil Boring Driller

Project Assignment:

Soil Boring Driller

Name of Firm with which associated:**Years experience with this Firm:**

1 year with this firm (2022); 2 years total (2021)
Gulf South Engineering and Testing, Inc. | 2022 to present
Ardaman and Associates | 2020 to 2022

Education: Degree(s)/Year/Specialization:

High School Diploma, 2012 (Central Lafourche HS)

Active registration: Year first registered/discipline:**Other experience and qualifications relevant to the proposed Project:**

Cody Barrois is a soil boring driller with experience as a soil boring driller and driller's helper, and has operated truck, track, and ATV mounted drilling rigs. In addition, he has performed soil borings over water on a barge and using barge drilling equipment. Mr. Barrois is very familiar with the soils of Southeastern Louisiana.

- OSHA Basic Training
- Entergy PowerSafe Training
- Transportation Worker Identification Card (TWIC)

LaPlace Water Source Project: New Intake, Pump Stations & Pretreatment Facility, LaPlace, St. John the Baptist Parish, LA. Geotechnical engineering services for the construction of a new water source infrastructure project between the Mississippi River (MSR; east bank) and railway just north of 5th street in LaPlace, LA. Proposed structures will consist of water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling ten undisturbed soil borings, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$100,000 (fee); ongoing)

Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side. (\$35,000 (fee); 2022)

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:	
<p>Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, Louisiana</p> <p>Ardurra Group, Inc. 3012 26th Street Metairie LA 70002</p> <p>Joe Becker, P.E., 504-454-3866 jbecker@ardurra.com</p>	<p>Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2021	N/A	\$8,500 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, Louisiana</p> <p>Jefferson Parish c/o ECM Consultants, Inc. 1301 Clearview Parkway Suite 200 Metairie LA 70001</p> <p>Susina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com</p>	<p>Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022	N/A	\$35,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Department of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Works Department Reda M. Youssef, P.E., 504-736-6783 JPPW@jeffparish.net</p> <p>c/o ECM Consultants, Inc. Chris Capretto, 504-885-4080 ccapretto@ecmconsultants.com</p>	<p>Project consisted of the construction of a new warehouse for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, steel inspection, and asphalt testing and inspection.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2017	N/A	\$90,000 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Airline Highway Street Lighting (Waldo Street to Transcontinental Drive), Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Engineering 1221 Elmwood Park Boulevard, Suite 802 Jefferson LA 70123</p> <p>Ryan Breaux, P.E., 504-736-6514 rabreaux@jeffparish.net</p>	<p>Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	N/A	\$17,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Snakefarm Entergy Substation (David Drive), Kenner, Jefferson Parish, Louisiana</p> <p>Entergy Transmission 639 Loyola Avenue (L-ENT-8D) New Orleans LA 70113</p> <p>Justin Richard, E.I., 504-576-7221 jrich18@entergy.com</p>	<p>Geotechnical investigation for construction of new T-Line off David Drive in Kenner, LA. Gulf South's scope includes drilling four 70 ft. undisturbed soil borings, lab testing, and engineering analyses including allowable soil bearing values, allowable piles/shaft load capacities, estimates of settlement, soil resistivity values, lateral earth pressures, modulus of subgrade reaction, soil to concrete friction factor, pile design parameters, and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
November 2018	N/A	\$24,000 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, Louisiana</p> <p>Sizeler Thompson Brown Architects 300 Lafayette Street, Suite 200 New Orleans LA 70130</p> <p>Thomas M. Brown, AIA, 504-523-6472 tbrown@sizeler.com</p>	<p>The project consists of construction of a new two-story building and parking lot at the project site located at the corner of Airline Drive and David Drive. Gulf South's scope of work included drilling a total of six undisturbed soil borings (four at 8 ft and two at 80 ft) and performing laboratory testing and geotechnical engineering analyses. This included allowable pile load capacities, estimates of settlement, flexible and rigid paving design recommendations, seismic class determination, and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2022	N/A	\$14,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Harvey Volunteer Fire Department New Truck Maintenance Facility (Rochelle Ave.), Harvey, Jefferson Parish, Louisiana</p> <p>N-Y Associates, Inc. 2750 Lake Villa Drive Metairie LA 70002</p> <p>Michael G. Buisson, Jr., AIA, NCARB, LEED AP 504-885-0500 mbuisson@n-yassociates.com</p>	<p>Gulf South provided geotechnical engineering services for the construction of a new truck maintenance facility for the Harvey Volunteer Fire Department on Rochelle Avenue in Harvey, LA. The scope of services includes drilling six undisturbed soil borings (depths of 60 feet and 6 feet below ground surface), laboratory testing, engineering analyses (foundation, paving, fill, and surcharge recommendations) and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2021	N/A	\$9,500 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Training Facility - New Airnasium and Paved Areas, Jefferson Parish Fire Department, Bridge City, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Fire Department c/o Meyer Engineering Ltd. 4937 Hearst Street Suite B Metairie LA 70001</p> <p>Donovan Duffy, P.E., 504-885-9892 dduffy@meyer-e-l.com</p>	<p>Geotechnical engineering services for the construction of a new fire station training facility consisting of an airnasium (open-air pavilion) structure and heavy duty pavement in Bridge City, LA. Gulf South's scope includes drilling three undisturbed soil borings (b.g.s.; one at 50 ft., two at 6 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2020	N/A	\$6,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, Louisiana</p> <p>Burk-Kleinpeter, Inc. 4176 Canal Street New Orleans LA 70119</p> <p>Henry M. Picard, III, P.E., 504-486-5901 hpicard@bkiusa.com</p>	<p>Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses (pile capacities & settlement) and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022	N/A	\$7,500 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Green Acres Road – New Street Lighting, Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish c/o Pivotal Engineering, LLC 1515 Poydras St Ste 1875 New Orleans LA 70112</p> <p>Yoseph Shifare, E.I., 504-799-3653 yshifare@pivotaleng.com</p>	<p>Geotechnical investigation for construction of a new street lighting along Green Acres Road (Airline Highway to West Metairie Boulevard) in Metairie, LA. Gulf South's scope includes drilling two undisturbed soil borings (depths of 24 ft), lab testing, and engineering analyses including subsoil properties, and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
February 2019	N/A	\$4,500 (fee)

TEC Professional Services Questionnaire

230331, LA, JP 23-007, Professional Mechanical & Engineering Services, GSET - 2023 March 24 (Friday) @ 2:02:11 PM

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.



CRITERIA 1 • PROFESSIONAL TRAINING AND RELATED EXPERIENCE

Gulf South Engineering and Testing, Inc. (Gulf South) is a geotechnical engineering and construction materials testing and inspection company which began operations in 2011. Since that time, we have grown to two offices and over two dozen employees. Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and 300 construction materials testing and inspection projects each year. These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection.

Gulf South is a woman-owned, Hudson Initiative-certified & Regional Transit Authority-recognized small business in Louisiana. Our laboratory is AASHTO and CCRL certified and USACE validated.

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

Gulf South's ownership and senior management have decades of combined experience in the profession and have completed thousands of projects. One of Gulf South's Principals, Chad M. Poché, P.E., a founding principal and Professional Engineer registered in Civil Engineering in Louisiana and Mississippi, has specific and extensive training & experience in geotechnical engineering. He has three decades of experience in planning, administering, and conducting geotechnical investigations.

The firm has specific engineering experience and training in Geotechnical Engineering, Foundation Design, and Geology & Geohydrology; our staff has extensive experience in all aspects of soil mechanics and geotechnical engineering with specific knowledge in the following areas:

- *Shallow and deep foundations (piles, shafts, augercast, screw/anchor piles)*
- *Deep excavations, cofferdams, retaining walls*
- *Levees and soft ground construction; slope stability & seepage*
- *Earthwork; settlement analyses*
- *Shoreline protection*
- *Scour analyses*
- *LRFD Design*
- *Mechanically Stabilized Earth (MSE) Walls*
- *Development of load test programs*
- *Geotechnical instrumentation and construction monitoring*
- *Canals and pump station foundations*
- *Pipe bedding and backfill*
- *Roadways, bridges, pavements*

Field Investigation Services

Gulf South owns truck mounted (ARDCO C-1000) and track mounted (ARDCO SD 350) drilling rigs with associated and appurtenant support equipment (water trucks and buggy). Our equipment and crews are capable of drilling soil borings to depths of up to 300 feet and installing monitor wells, piezometers, and inclinometers. We can also perform CPT soundings, geoprobe borings, and field testing at any site. Our staff has extensive experience in planning, oversight, and direction of field investigations.

Laboratory Testing Services

Gulf South's laboratory is equipped to serve the specific needs of our clients and managed by trained and experienced personnel. All testing is performed in accordance with ASTM, AASHTO, and/or other approved procedures. Gulf South routinely performs soil and concrete strength testing (unconfined and triaxial), soil classification tests (Atterberg limits, moisture content, density, particle size), soil and aggregate sieves, organic content, pH, soil resistivity, and moisture/density relationships (Proctor tests). Gulf South's laboratories are managed by full time, experienced, managers and staff.

Gulf South's Kenner laboratory is AASHTO and CCRL certified and USACE validated.

Construction Materials Testing & Inspection

Gulf South provides a full range of construction materials testing and inspection services for structures, earthwork, foundations, pipelines, and pavements. The range of services provided by the Gulf South team includes:

- *Fill and base compaction and density testing*
- *Vibration monitoring*
- *Pre- and post-construction inspection*
- *Concrete testing and inspection*

TEC Professional Services Questionnaire

N. continued.

- Soil testing (field and laboratory)
- Asphalt testing
- Pile (driven & augercast) and shaft installation monitoring
- Load tests
- Earthwork/proof roll inspection
- Welding inspection
- Steel inspection
- Noise monitoring

We have provided construction testing and oversight for projects as small as fill for a house pad to as **large as the \$1.2 billion Louis Armstrong New Orleans International Airport New Terminal** project.

CRITERIA 2 • SIZE OF FIRM

At nearly three dozen employees, Gulf South has the appropriate number of employees and personnel for this project. We will complete our scope of services on time and within budget. Further said, Gulf South is able to readily meet the time and budget constraints for projects assigned to this contract. Our current work load is such that we can expeditiously complete projects for this contract.

CRITERIA 3 • CAPACITY FOR TIMELY COMPLETION OF NEWLY-ASSIGNED WORK

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. Founding principal and Vice President of Gulf South, Chad M. Poché, P.E., has been a practicing registered geotechnical engineer in South Louisiana for since 1998. He has specialized training and experience in geotechnical engineering throughout Louisiana.

Gulf South's Engineering Manager, Blake E. Vutera, P.E., has over 14 years experience in geotechnical investigations and has provided engineering analysis, laboratory testing, construction materials testing and inspection. He has been the geotechnical engineer of record for hundreds of projects throughout his career

As evidenced in the provided projects & personnel résumés, key personnel past experience includes the completion of thousands of projects in the region throughout their careers for a broad range of clients, including both the government and private sectors. We are able to submit data in formats acceptable and customized to our clients' needs.

Further, Gulf South continues to expand its staff and mentor the next generation of geotechnical engineers and professionals. One of our newest employees, Sara E. Lockwood, is a recent UNO Civil Engineering graduate who is working with our seasoned professionals in the challenging field of geotechnical engineering in the State of Louisiana. She has already gained extensive experience working on projects since joining the firm in 2019 and will continue to expand her knowledge and skill set working with our firm.

CRITERIA 4 • PAST PERFORMANCE ON PARISH CONTRACTS

Gulf South has worked both directly and indirectly for various **Jefferson Parish Departments** (Public Works, Engineering Department, Drainage Department, Jefferson Parish School Board, etc.) throughout our history. This would include, **but not be limited to**, the following:

- Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA
- New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, LA
- Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA
- N. Sibley Drainage Improvements (N. Sibley at W. Napoleon), Metairie, Jefferson Parish, LA

TEC Professional Services Questionnaire

N. continued.

- Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA
- Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA
- Jefferson Parish Dept. of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA
- Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, Jefferson Parish, LA
- New Building and Paved Areas, Jefferson Parish Transit Facility, Jefferson Parish, LA
- New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, LA
- Training Facility - New Airnasium and Paved Areas, Jefferson Parish Fire Dept., Bridge City, Jefferson Parish, LA
- New Library Building (US90 & Avondale Garden Road), Avondale, Jefferson Parish, LA
- Jefferson Parish Fire Fleet Maintenance Facility - New Paved Areas, Jefferson Parish, LA
- Harvey Volunteer Fire Department New Truck Maintenance Facility (Rochelle Ave), Harvey, Jefferson Parish, LA
- Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA
- New Charter School – Behrman Highway, Terrytown, Jefferson Parish, LA
- Jefferson Parish Department of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA
- Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA
- New Library Building (US90 & Avondale Garden Road), Avondale, Jefferson Parish, LA
- Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA
- Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA
- West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA
- Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA
- Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA
- Westgate Drainage Improvements, Metairie, Jefferson Parish, LA
- Bike Path Soil Borings, Jefferson Highway to Northline Street, Jefferson Parish, LA
- Green Acres Road - New Street Lighting, Metairie, Jefferson Parish, LA
- Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA
- Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA
- Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA
- Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA
- New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA
- St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA
- Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA
- Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA
- Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA
- Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA
- Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA
- Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA
- St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA
- Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA
- David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA
- Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA
- New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA
- Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA
- Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA

Beyond the projects included within this form, additional project information (including listings, background, & client contacts) are available upon request. We have also completed similar services for Public and Private concerns throughout the region.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 5 • LOCATION OF PRINCIPAL OFFICE

Gulf South is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner, Louisiana.

CRITERIA 6 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

See *Item M*; Gulf South has not been involved in litigation with Jefferson Parish.

CRITERIA 7 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. We are proud that a majority of its work is from repeat clients –we complete our projects on-time and within budget. **Multiple examples of this work are included throughout this form in both the Personnel Résumés section (Item K) and Representative Project Work (Item L).**

Gulf South invites you to contact any of our clients for a candid discussion of our service and professionalism, and offer these direct references:

Neil Schneider, CCM, P.E., Director, Capital Projects, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

Ben Lepine, Acting Director, Drainage Department, Jefferson Parish
(504-736-6751 | JPDrainage@jeffparish.net)

Angela DeSoto, P.E., Director, Engineering Department, Jefferson Parish
(504-736-6511 | ADeSoto@jeffparish.net)

Mark R. Drewes, P.E., Director, Public Works Department, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

Sid Trouard, P.E., Program Manager, Sewerage Capital Improvement Program, Jefferson Parish
(504-736-6386 | STrouard@jeffparish.net)

Khalid L. Saleh, PhD, Capital Program Administrator, Public Works Dept., City of New Orleans
(504-658-8000 | khsaleh@nola.gov)

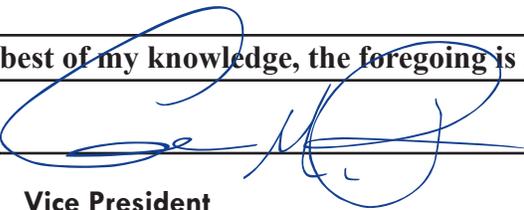
Michael B. Cooper, Parish President, St. Tammany Parish
(985-898-2362 | president@stpgov.org)

Joey Tureau, Director of Transportation, Ascension Parish
(225-450-1013 | jtureau@apgov.us)

José A. Gonzales, CAO, City of Kenner
(504-468-4090 | jgonzalez@kenner.la.us)

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

Signature:



Print Name:

Chad M. Poché, P.E.

Title:

Vice President

Date:

March 24, 2023

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

Name: Gulf South Engineering and Testing, Inc.
Public Address: Mr. Chad Poche, PE15 Veterans Memorial Boulevard
 Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004626	Active	07/27/2010	03/31/2025	Mr. Chad Mitchell Poche # PE.0027667



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Chad Mitchell Poche

License/Certificate Type - Number: **PE.0027667**
 Expiration Date: **09/30/2024**

Status: **Active**



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number: **PLS.0004329**
 Expiration Date: **09/30/2024**

Status: **Active**



GULF SOUTH

ENGINEERING AND TESTING, INC.
 Geotechnical & Materials Consultants



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Gulf South Engineering and Testing, Inc.

is Certified-Active as a Small Entrepreneurship with
Louisiana Economic Development's Hudson Initiative.

This certification is valid from 1/26/2023 to 1/26/2024 .

Certification No. 11011

A handwritten signature in black ink, reading "Stephanie Hartman", is written over a thin horizontal line.

Stephanie Hartman,
Director, Entrepreneurial Services





Regional Transit Authority

July 28, 2022

Cassandra Poche
Gulf South Engineering and Testing Inc
15 Veterans Memorial Blvd
Kenner, LA 70062

Dear Ms. Poche:

The Regional Transit Authority (RTA) have received your firm's Small Business Enterprise (SBE) annual affidavit. Based on the information, which you provided, it has been confirmed that your firm continues to meet the eligibility requirements of our program.

Your firm remains certified in the SBE Program until there are any changes to your company or to your personal net worth that exceed the SBE eligibility criteria. Please note that you must notify our office immediately regarding any changes which affect the economic disadvantage, size, ownership or control of your firm.

In order to main eligibility, you are required to submit an annual affidavit stating that your firm continues to meet the eligibility requirements of the program. If you are both DBE and SBE certified, you will receive a Disadvantaged Business Enterprise Annual Affidavit approximately 4 weeks prior to your DBE Certification anniversary date. The annual affidavit for the DBE program will automatically apply to your SBE certification. If you are SBE certified only, you will receive a Small Business Enterprise Annual Affidavit approximately 4 weeks prior to your SBE Certification anniversary date.

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

If we can be of further assistance, please contact the Office of Small Business Development at (504) 827-8301.

Sincerely,

A handwritten signature in purple ink that reads "Adonis C. Expose".

Adonis C. Expose
DBE/SBE Liaison Officer III





CERTIFICATE OF ACCREDITATION



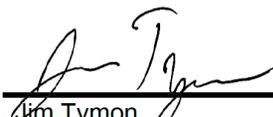
Gulf South Engineering and Testing, Inc.

in

Kenner, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).



Jim Tymon,
AASHTO Executive Director



Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 01/16/2023 at 1:03 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory





USACE CERTIFICATE
OF
LABORATORY VALIDATION



Gulf South Engineering and Testing

15 Veterans Memorial Blvd
Kenner, LA, United States
Trey Binder
(504) 305-4401

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:

09 SEP 2022 AT 11:51 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 04/12/2024

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: <https://mtc.erdcdren.mil>

A handwritten signature in black ink, appearing to read "Chad A. Gartrell", written over a horizontal line.

Chad A. Gartrell, PE, Director
USACE Materials Testing Center
Vicksburg, Mississippi, USA

