



May 26, 2021

Jefferson Parish Government
Purchasing Department
200 Derbigny Street, Suite 6700
Gretna, LA 70054

RE: REQUEST FOR QUALIFICATIONS TO PROVIDE PROFESSIONAL ENGINEERING SERVICES RELATED TO THE DESIGN FOR THE REHABILITATION OF THE TRANSCONTINENTAL & BELLE LIFT STATION (E8-1)

Dear Selection Committee,

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

COMPANY HISTORY

Established in 1986, GEC has nearly 100 employees and a long history of experience with similar projects. GEC offers comprehensive, multidisciplinary project planning, design, and implementation services for public and private clients nationwide. The diverse resources of the company include design and construction engineering, economic analysis, environmental and ecological sciences, and GIS applications. We commit to producing high quality planning and design documents on time and within budget in keeping with the special needs of our clients so they can meet their objectives in a timely and efficient manner. Many of the GEC personnel assigned to this contract have more than 10 years of experience providing similar services.

GEC is committed to providing responsive engineering and technical solutions to our clients, reinforced by our enclosed *Mission, Vision, and Core Values* statement. As the proposed Principal-in-Charge for this assignment, I will work to provide innovative, safe, environmentally responsible, and transparent engineering services. We look forward to the opportunity to work with Jefferson Parish on this project.

Sincerely,

A handwritten signature in blue ink, reading "Sherri LeBas". The signature is fluid and cursive, with the first name "Sherri" and last name "LeBas" clearly visible.

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

Encl.: Mission Statement
Jefferson Parish TEC Questionnaire



MISSION, VISION, AND CORE VALUES

MISSION








To provide responsive engineering and technical solutions to our clients' needs in an innovative, safe, environmentally responsible, transparent, and successful manner for the long-term benefit of our valued clients and quality of life for everyone.

VISION

To be recognized by our clients, throughout the areas we serve, as the company of choice and to constantly contribute to America's global progress while helping our clients by creating state-of-the-art engineering and technical solutions that are safer, more efficient, of superior quality and durability, sustainable, and more economically feasible than ever before.

CORE VALUES

Core values are the cornerstone of how we do business and the basis for our guiding principles and the culture of our company.

-  To conduct all our business affairs with honesty, loyalty, quality, and integrity to our valued customers, partners, and co-workers.
-  To expect and demand excellent performance and innovation from all our employees on all of our projects in a respectful and collaborative working environment.
-  To constantly seek improvement in our technical and corporate skillset, in our work products, and to hold ourselves accountable to our clients, stakeholders, and to each other.
-  To never negotiate, compromise, or sacrifice the safety of all persons who will utilize, experience, or be exposed to our designed structures and work product for decades to come.
-  To strive to make the safety of our own co-workers a priority on a minute-by-minute basis.
-  To empower and invest in our people who remain our single greatest asset.
-  To foster an environment where thought, creativity, innovation, and contrarian ideas can thrive and translate into new, different, and better engineering solutions.

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

A. PROJECT NAME AND ADVERTISEMENT RESOLUTION NUMBER:

Professional Engineering Services Related for the Rehabilitation of the Transcontinental & Belle Lift Station (E8-1)
(Resolution No. 137449)

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

G.E.C., Inc. (GEC)
3445 N. Causeway Blvd., Suite 401
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, Senior Vice President
P. (504) 838-6009 E. slebas@gecinc.com
Louisiana Licensed Professional Civil Engineer No. 23844 (1985)

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.

Jerome Klier, PE, Civil Engineer
P. (504) 838-6009 E. jklier@gecinc.com
Louisiana Licensed Professional Civil Engineer No. 11591 (1968)

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

| | | | | | |
|-----|-----------------------------|----|-------------------------|-----------|--------------------------|
| 8 | Administrative | ** | Estimators | *** | Specification Writers |
| 0 | Architects (Licensed) | 0 | Geologists | 7 | Structural Engineers |
| 0 | Chemical Engineers | 0 | Geotechnical Engineers | 1 | Graduate Engineers |
| 18* | Civil Engineers | 0 | Interior Designers | 1 | Project Managers |
| 15 | Construction Inspectors | 0 | Landscape Architects | 0 | Clerical |
| 3 | Ecologists | 0 | Land Surveyor | 0 | Grant/Funding Specialist |
| 4 | Electrical Engineers | 1 | Mechanical Engineers | ***** | Sanitary Engineers |
| 8 | Engineer Intern | 4 | Environmental Engineers | 10 | CAD Operators |
| 0 | Professional Land Surveyors | 1 | Urban Planner | 1 | GIS Professionals |
| | | | | 17 | Other |
| | | | | 99 | TOTAL |

*Coastal, Transportation and Hydrologist included in Civil Engineers

**Senior Technical Personnel prepare Cost Estimates

***Senior Technical Personnel prepare Specifications

*****Sanitary Engineer included in Environmental Engineers

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

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

TEC PROFESSIONAL SERVICES QUESTIONNAIRE


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

1.
N/A

2.

**H. HAS THIS JOINT-VENTURE PREVIOUSLY WORKED TOGETHER? PLEASE CHECK:
YES _____ NO _____**

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

| NAME & ADDRESS | SPECIALTY | WORKED WITH FIRM BEFORE (YES OR NO): |
|---|-----------------------|---|
|  BFM Corporation, LLC 534 Williams Blvd. Kenner, LA 70062 | Survey | Yes |
|  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:

7 (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:

JEROME KLIER, PE, Senior Project Manager

PROJECT ASSIGNMENT:

Project Manager

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

11

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1963 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1968 / Licensed Professional Civil Engineer No. 11591

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Klier is a Senior Project Manager experienced with sewerage and drainage systems projects, having completed several significant projects, including the East Baton Rouge Wastewater Pump Station 58 Replacement and East Baton Rouge Booster Pump Station 514 Replacement. He retired from the East Baton Rouge City-Parish Department of Public Works after 28 years of service, 20 years of which, he served in the Engineering Division. He is very familiar with FEMA Hazard Mitigation Assistance Program requirements, construction specifications and standards, and public law bidding process requirements. He is also familiar with the construction of pump stations, gravity storm sewer lines, and force mains in subsurface soils and high groundwater conditions. Mr. Klier is a Life Member of the American Society of Civil Engineers (ASCE) and the Louisiana Section and was honored to receive their highest award in 2013, the "Wall of Fame". He also represents the ASCE on the official Nominating Committee for the Southeast Louisiana Flood Protection Authority (SLFPA) East and West Boards, and is Chairman of the City of Walker, Louisiana Planning and Zoning Commission.

Mr. Klier has worked closely with LADOTD involving designing and constructing sanitary sewer/septic tank effluent collection systems as part of the State highway roadway improvements. Some of these projects included:

- Perkins Road (LA 427) from Lee Drive to Essen Lane
- Old Hammond Highway (LA 426) from Sharp Road to Blvd. De Province
- I-12/Millerville Road Interchange
- Hooper Road (LA 408)/Joor Road (LA 946) Intersection Improvements
- Hooper Road (LA 408) from Mickens Road to Cypress Bayou.

RELEVANT PROJECT EXPERIENCE

TERRACE STREET DRAINAGE PUMP STATION RENOVATIONS: Baton Rouge, LA. (City-Parish Project No. 16-DR-CI-0003) Project Manager and Lead Design Engineer: Mr. Klier performed a hydraulic analysis and an evaluation of the



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

JEROME KLIER, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

existing pumping equipment and canal sluice gate control intake structure. This project involved the replacement of the existing four (4) 84,000 GPM pumps with new vertical turbine pumps, and replacing the existing diesel engine drivers with 1,250 HP horizontal electric motors. The project also included replacing the existing sluice gate Corporation Canal intake weir structure with a permanent concrete weir/orifice control structure. Mr. Klier's responsibilities included coordinating other subconsultants and architectural design team members, and in-house hydraulic, structural, mechanical and electrical design engineers. (Ongoing)

HIGHWAY 61-PLANK ROAD MULTIPLE PUMP STATION REPLACEMENT: Baton Rouge, LA. (*City-Parish Project No. 11-PS-MS-0035*) Project Manager and Lead Design Engineer: This project involved the evaluation of eight (8) wastewater pump stations ranging in size from 350 GPM to 9,000 GPM for replacement. Mr. Klier was responsible for managing the project design as well as the hydraulic design, and the preparation of the project drawings, specifications and contract documents for bidding. He was also responsible for coordinating the design with Baton Rouge's Sanitary Sewer Overflow Program Manager office and the Baton Rouge DPW Wastewater Division office. (2018)

PUMP STATION 58 REPLACEMENT: Baton Rouge, LA. (*City-Parish Project No. 09-PS-MS-0034*) Project Manager and Lead Design Engineer: Project included the replacement of the existing undersized 50 year old wastewater pump station with a new 83,300 GPM wastewater submersible pumping station on Essen Lane near Ward's Creek. Mr. Klier was responsible for the design of the overall project as well as design of the site plans, yard and force main piping, specifications, and special provisions. Mr. Klier's responsibilities also included coordinating the design of Pump Station 58 between in-house structural and electrical team members and other subconsultants of the project design team. (2014)

PUMP STATION 514 REPLACEMENT: Baton Rouge, LA. *Project Manager and Lead Design Engineer* - Project included the replacement of an existing booster pump station with a new 53,500 GPM wastewater submersible pumping station located near the intersection of Perkins Road and Old Perkins Road. He was responsible for assisting in the design of the overall project as well as the design of site plans, yard and force main piping, and preparing project specifications and special provisions. Mr. Klier's responsibilities also included coordinating the design of Pump Station 514 between in-house structural and electrical team members and other members of the design team. (2015) (*City-Parish Project No. 09-PS-MS-0034*)

HURRICANE KATRINA RELATED REPAIRS TO THE UNDERPASS DRAINAGE PUMP STATION: New Orleans, LA. *Civil Engineer* - Project included the restoration and repair of ten (10) Sewerage and Water Board Stormwater Drainage underpass pumping stations of varying capacities that were damaged in Hurricane Katrina in the New Orleans area. Mr. Klier was responsible for preparing plans and specifications for repairing or replacing various pumps, motors, valves, piping and electrical control systems. (2012)

CAPITOL LAKE STORMWATER PUMP STATION: Baton Rouge, LA. *City's Design Engineer and Project Manager*- This project involved the designing, bidding and construction of a 200,000 GPM (445.6 CFS) reinforced concrete pump station near the west shoreline of Capitol Lake. This project also included the procurement of four 50,000 GPM vertical turbine pumps and matching 600 HP vertical electrical motors under a separate contract. Station was designed with four (4) bays with trash racks and closure drop gate. Discharge lines consisted of four (4)-42" DIP lines that discharged into the Mississippi River. Mr. Klier was responsible for the overall design of the pump station including hydraulic design

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

JEROME KLIER, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

of the wet wells and factory and field testing of the pumps and motors. Additionally, he was also responsible for the construction management of the \$3M (1983 dollar amount) project. (1983)

CITY OF BATON ROUGE AND PARISH OF EAST BATON ROUGE REHABILITATION AND UPGRADE OF THE SOUTH WASTEWATER TREATMENT: Baton Rouge, LA. *City's Project Manager* - This project involved the upgrading of a 20 MGD primary wastewater treatment to EPA/LDEQ secondary treatment requirements. Project included the upgrading of the influent and effluent pump stations; installing new bar screens at the influent pump station; installing new clarifiers, trickling filters, sludge dewatering facility, chlorination/de-chlorination basins, a chlorine gas storage facility, and a new office/laboratory building.

CITY OF BATON ROUGE AND PARISH OF EAST BATON ROUGE REHABILITATION AND UPGRADE OF THE NORTH WASTEWATER TREATMENT PLANT: Baton Rouge, LA. *City's Project Manager* - This project involved the upgrading of a 16 MGD primary wastewater treatment plant to EPA/LDEQ secondary treatment requirements. Project involved the upgrading of the influent and effluent pump stations; installing new bar screens at the influent pump stations; installing new clarifiers; trickling filters, sludge dewatering facilities, chlorination/de-chlorination basins, a chlorine gas storage facility, and a new office/laboratory building.

CITY OF BATON ROUGE AND PARISH OF EAST BATON ROUGE ADVANCED TRAFFIC MANAGEMENT CENTER AND EMERGENCY OPERATIONS CENTER: Baton Rouge, LA. *Agency Coordinator and City's Project Manager* - This project involved the design and construction of a 54,000 sq. ft., two-story self-contained building. This building is unique in that it houses in one central facility the City-Parish's 911 (police, fire, EMS) call center, the office of Homeland Security and Emergency Preparedness, and City-Parish and LaDOTD traffic management sections (integrates the management of traffic flow for various emergency conditions).

CITY OF BATON ROUGE AND PARISH OF EAST BATON ROUGE LOUISIANA ARTS AND SCIENCE CENTER PLANETARIUM/SPACE THEATER: Baton Rouge, LA. *City's Project Manager* - This project involved the design and construction of a 25,000 sq foot building and purchasing planetarium projector and selected equipment under a separate procurement contract. The building site location was challenging, near the Mississippi River levee, adjacent to a main line railroad track (need to eliminate vibrations from passing freight trains), and interconnecting into a former railroad terminal building that was constructed in the early 1900s.

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

MICHAEL HATTAWAY, PE, Civil Engineer

PROJECT ASSIGNMENT:

Project Manager

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

31 (41 total)

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1975 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1980 / Licensed Professional Civil Engineer No. 18672

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Hattaway, a senior civil and environmental design engineer, fills a number of roles for GEC. During his career, he has managed projects, conducted preliminary investigations, prepared preliminary and final drawings, provided construction costs estimates, submitted preliminary and final engineering reports, and completed other tasks for municipal water, wastewater, and drainage projects. Design experience includes preparation of plans and specifications for roadways, bulkheads, canals, sewerage treatment and collection systems, water distribution systems, drainage systems, and marinas. He has served as consulting engineer for multiple utility districts in Louisiana and Mississippi. He has also managed several CDBG water and wastewater projects.

RELEVANT PROJECT EXPERIENCE

HURRICANE KATRINA RELATED REPAIRS TO THE N. BROAD STREET UNDERPASS DRAINAGE PUMP STATION:

New Orleans, LA. Project Engineer - Mr. Hattaway prepared design plans and specifications for repairs to the N. Broad Street Underpass Pump Station project. The design included the cleaning of the wet well and upstream drains; the replacement of solids handling pumps and sump pumps along with new control panels and associated piping; removal, rewinding and reconditioning of the existing 25 Hz motors; the removal and replacement of the existing roof; the installation of a new exhaust fan and intake louver; the replacement of the spiral staircase; and the replace of the electrical wiring and duct banks. He also oversaw resident inspection services. Cost: \$980,000 (2019)

PALMISANO DRAINAGE REPAIRS AND IMPROVEMENTS: Chalmette, LA. Project Manager - Mr. Hattaway completed the design of a major drainage improvement project for St. Bernard Parish Government. The project includes 4,300 linear feet of 10X6 and 8X4 concrete box culvert, a new Palmisano Blvd. bridge over the 20 Arpent Canal, and a 12,000 GPM drainage pumping station at Plaza Dr. Cost: \$6.4 M (construction) (07/16-06/18)

CLEVELAND STREET BRIDGE REPLACEMENT: Covington, LA. Project Manager - Mr. Hattaway designed the replacement of a small, two-span concrete bridge on a dead-end residential street in Covington with a 30' wide by 10' high by 32' long aluminum box culvert with headwalls, wing walls, and deep beam guardrails. The bridge spans Rattlesnake Branch. Mr. Hattaway provided a hydraulic and hydrologic study, prepared plans and specifications, and provided bid phase and construction phase services for this project. (2017-2018)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

MICHAEL HATTAWAY, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

COUSINS CANAL PUMP STATION ADDITION: Jefferson Parish, LA. *Project Manager* - Mr. Hattaway performed design of a 240 CFS addition to an existing 1,000 CFS drainage pumping station. The project included two new 48" pumps with 300 Hp natural gas engines, new suction and discharge bays, new pump support platform, and related work. Cost: \$827,000 (1997)

LAKESHORE VILLAGES MAJOR DRAINAGE PROJECT: Slidell, LA. *Project Manager* - Mr. Hattaway performed design of hurricane protection levees, internal drainage system, detention lakes, and 300 CFS drainage pumping station, with automation and SCADA systems. The project protects a 1,200 acre residential development. The levee/drainage system is owned and operated by St. Tammany Parish Drainage District No. 2, Cost: \$70M (2011)

SALMEN TRACT MAJOR DRAINAGE PROJECT: Slidell, LA. *Project Engineer* - Mr. Hattaway provided design of hurricane protection levees, internal drainage system and 250 CFS drainage pumping station for Kingspoint Subdivision, a 1,200 lot residential development. The drainage system is owned and operated by St. Tammany Parish Drainage District No. 4. (1980)

CANAL NO. 3 CONCRETE LINING (SONIAT CANAL TO WEST OF ELMWOOD CANAL): Jefferson Parish, LA. *Project Manager* - Mr. Hattaway was the project manager for this project, which included the construction of 2,500 linear foot of cast-in-place concrete flume and a special structure at the intersection of the Soniat Canal and Canal No. 3. The project was constructed as part of the SELA drainage improvements. (2000)

CITY OF MANDEVILLE, SEWERAGE IMPROVEMENT PROGRAM (CITY OF MANDEVILLE): Mandeville, LA. *Project Manager* - Mr. Hattaway was the project manager for the feasibility study, design, and construction administration of new sewer force mains (9 miles of 6" through 24" diameter), gravity sewers, infiltration/inflow (I/I) abatement projects, 12 lift stations and one 10,000 GPM capacity central pumping station. He also designed a new 3.0 mgd treatment facility. (1994)

LAKESHORE ESTATES (TAMMANY HOLDING COMPANY): Slidell, LA. *Project Manager* - Mr. Hattaway managed the water, sewer, drainage, and street infrastructure design for a 3,000 acre development. The sewer system design he supervised included design and construction administration of a new wastewater treatment plant and all sewer lines and connections. Mr. Hattaway provided planning, design, environmental permitting, hydraulic modeling, and construction phase services. (1997-2018)

CDBG INFRASTRUCTURE REPAIR, AREA 10: 6th Street South (City of Biloxi, City Project #KG639): Biloxi, MS. *Senior Engineer* - Mr. Hattaway is senior engineer for this project which involves survey, conceptual design, preliminary design, final design and coordination with five other engineering firms working on adjacent areas. He has provided plans and specifications for 8,400 LF (1.5 miles) of roadway, new handicap accessible walkways, landscaping, street parking, and improved drainage consisting of over 9,000 LF of new drain lines as well as the replacement of the associated sanitary sewers, water mains, and fire hydrants for infrastructure damaged by Hurricane Katrina in the City of Biloxi. (2010-2018)

SOUTHEAST LOUISIANA STATE HOSPITAL WATERLINE REPLACEMENT: Mandeville, LA. *Project Manager* - Project included the replacement of the water distribution and fire protection system for a 67 building campus. Project replaced all potable water distribution lines supplying water throughout the campus and included 18,300 l.f. of 4"-12" water mains and 67 building services. (2010)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

MICHAEL HATTAWAY, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

FLEUR DE LIS DRIVE RECONSTRUCTION: New Orleans, LA. *Design Lead: Water and Sewer* - Services included design of the complete reconstruction of an 8,300 linear feet (1.6 miles) divided, urban arterial access roadway. Included in the design was 20,800 L.F. of 8" to 12" water lines, 14,200 L.F. of 8" to 18" gravity sewers, and 6,800 L.F. of 18" and 20" sewer force main, to replace the existing municipal system. The project was divided into three phases to match the funding schedule. The plans and specifications were submitted to and approved by the Louisiana Department of Health and Hospitals, the City of New Orleans, the Sewerage and Water Board of New Orleans, and the Louisiana Department of Transportation and Development. Total project construction cost: \$28,000,000. (2003-2018)

COLUMBIA PARC INFRASTRUCTURE: New Orleans, LA. *Project Manager* - Mr. Hattaway was Project Manager for this \$12M infrastructure improvements project at the site of the former St. Bernard Housing Projects, GEC performed complete reconstruction of all streets in the 17 square block site. The reconstruction included all new water, sewer, and drain lines, street paving, and street lighting. Cost: \$12M (construction) (2010-2018)

ST. BERNARD PARISH GRAVITY SEWER REPAIRS, PHASE II: St Bernard Parish, LA. *Project Manager* - Mr. Hattaway was Project Manager for the project covering 350,000 LF of 8" to 36" diameter sewer mains. The sewer repair project included CCTV inspection, point repairs, manhole repairs, new service connections, cured-in-place lining, pipe-bursting, and related work. The \$30M project was funded by FEMA, as a result of Hurricane Katrina.

BIG HILL ACRES WATER AND SEWER PROJECT: Jackson County, MS. *Project Manager* - Mr. Hattaway provided design and construction administration of water and sewerage collection systems including the installation 159,200 L.F. of PVC sewer force mains ranging in size from 2-inch to 8-inch, five new lift stations and 678 grinder pumps. The water distribution system consists of 99,600 L.F. of 6-inch through 12-inch diameter water mains. A 1,000 GPM water well and a 250,000 gallon elevated tank to provide potable water and fire protection for the project area. Additionally, the project includes connections of approximately 700 homes to the water and sewer systems. (05/10-12/16)

WEST JACKSON COUNTY UTILITY DISTRICT: Jackson, MS. *Project Manager* - Managed the design of complete water and sewerage systems, including lift stations and force mains serving 8,000 people in Jackson County, Mississippi. Projects also included the design and the construction management of water wells, elevated storage tanks and water distribution systems. He has been involved in the project for over 20 years. Some of the project phases were funded with Rural Development and CDBG grants.

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

KEITH REBELLO, PHD, PE, Senior Structural Engineer

PROJECT ASSIGNMENT:

Structural Design

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

21

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

BS / 1983 / Civil Engineering; MS / 1986 / Civil Engineering; PhD / 1990 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1992 / Louisiana Licensed Professional Civil Engineer No. 24937

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Dr. Rebello has nearly 30 years of structural engineering experience following his research work on non-linear deformation behavior of pre-stressed concrete bridges. His bridge design experience encompasses both structural steel and pre-stressed concrete structures including pre-stressed concrete I-girders, LG girders, steel plate, steel box girders, long span steel trusses, horizontally curved steel plate girders, and welded steel plate girders. He has designed and managed a variety of structural projects involving water and wastewater treatment facilities, hurricane protection systems, hydraulic structures, complex interstate and highway bridges (new, replacement, rehabilitation, and widening), retaining walls, noise walls, and buildings. Dr. Rebello has extensive experience with rating of bridges in accordance with LADOTD and AASHTO MBE requirements and has performed ratings using AASHTOWare Bridge Rating (Virtis) software and finite element analysis where required.

RELEVANT PROJECT EXPERIENCE

PUMP STATION 58 REPLACEMENT: Baton Rouge, LA. (City-Parish Project No. 09-PS-MS-0034) Lead Structural Engineer: Dr. Rebello performed the complete structural design and structural plans preparation for a new 120 MGD wastewater submersible pump station. The buried concrete station is comprised of two 33'-0" deep wet weather pump wells, two 33'-0" deep dry weather pump wells, 25'-0" deep influent sewer box, and 18'-0" deep wet and dry weather valve vaults. The plan area of the station was approximately 126' by 80'. Dr. Rebello completed analysis and design using the Finite Element Method. Other structures he designed included an electrical control building foundation, an odor control foundation, and miscellaneous concrete junction boxes. (2011-2013)

PUMP STATION 514 REPLACEMENT: Baton Rouge, LA. *Structural Engineer* - Dr. Rebello served as Structural Engineer for the project, which included the upgrade of booster pump station 514 (BPS514) to handle new flow and head requirements. The existing BPS514 had a capacity that was less than the predicted future peak wet than the predicted future peak wet weather flow. The pump station was upgraded from 24,000 GPM to 53,500 GPM to handle revised flow requirements and was converted from an in-line booster pump station to a wet well pump station. (2013) (City-Parish Project No. 09-PS-MS-0034)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

KEITH REBELLO, PHD, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

TERRACE STREET DRAINAGE PUMP STATION RENOVATIONS: Baton Rouge, LA. *Structural Engineer* - Project included hydrologic and hydraulic analyses of the upper reaches of the Corporation Canal Watershed and an evaluation of the existing pumping equipment and canal control intake structure. This project involved the replacement of the existing four (4) 84,000 GPM pumps with new vertical turbine pumps, and replacing the existing diesel engine drivers with 1,250 HP horizontal electric motors. The project also included replacing the adjusting Corporation Canal intake weir structure with a permanent concrete weir control structure. (Ongoing)

PREPARATION OF DESIGN REPORT AND PLANS AND SPECIFICATIONS FOR THE FRONTING PROTECTION AT DUNCAN PUMPING STATION: Jefferson Parish, LA. *Structural Engineer* - Dr. Rebello served as supervisory structural engineer. The Duncan Canal Pump Station is located in Jefferson Parish on the drainage basin's East Bank of the Mississippi River. The project is to provide fronting protection across the entire width of the pumping discharge area. The designs consist of a combination of gate monolith and T-wall monoliths. Also included are positive cutoff gates such as sluice gates or butterfly valves, where required. (2015)

NEW MADRID FLOODWAY PUMP STATION DRAINAGE STRUCTURES: New Madrid Floodway, MO. *Structural Engineer* - Project consisted of a large pumping station for the Memphis District, U.S. Army Corps of Engineers, located in a zone of high seismicity. The pump station housed three (3) 225,000 GPM vertical pumps. Dr. Rebello was responsible for providing the strength and stability design for intake and outtake culvert sections, intake walls, 58'-0" tall outlet structure with operational gates, and a 65'-0" wide mass concrete stilling basin. Seismic design was performed using the Mononobe-Okabe analysis method. (2002)

LAKE SHORE VILLAGES & OAK HARBOR EAST UTILITY WATER TREATMENT PLANT EXPANSION: St Tammany Parish, LA. *Structural 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)

BIG HILL ACRES WATER AND SEWER PROJECT: Jackson County, MS. *Structural Engineer* - Design of water and sewerage collection systems including the installation 159,200 L.F. of PVC sewer force mains ranging in size from 2-inch to 8-inch, five new lift stations and 678 grinder pumps. The water distribution system consists of 99,600 L.F. of 6-inch through 12-inch diameter water mains. A 1,000 GPM water well and a 250,000 gallon elevated tank to provide potable water and fire protection for the project area. Additionally, the project includes connections of approximately 700 homes to the water and sewer systems. (2016)

CHEVELLE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA. *Structural Project Manager* - Dr. Rebello is the Structural Project Manager overseeing the structural design, plan preparation, quantity estimates, as-designed rating, and quality control for the replacement of the existing Chevelle Drive Bridge and the existing Sarasota Drive Bridge. (04/19-Present) (Bridge Recall No. 800541 and 800561, City Parish Project No. 18-BR-US-0016)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

MICKEY PRATTINI, JR., PE, CBCP, Electrical Section Manager

PROJECT ASSIGNMENT:

Electrical Design

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

6

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 2004 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

2011 / Louisiana Licensed Professional Electrical Engineer No. 35993

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Prattini's experience includes wastewater treatment facilities and lift stations, multiple pump motor installations in hazardous (classified) locations, 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. Mr. Prattini has been a Society of Fire Protection Engineers (SFPE) member since 2017.

RELEVANT PROJECT EXPERIENCE

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

OAK HARBOR EAST UTILITY, LAKESHORE ESTATES 300K WWTP EXPANSION: Slidell, LA. *Electrical Engineer of Record* - Mr. Prattini designed the power distribution system for a 300,000 gallon per day WWTP system including generator standby power system, area lighting, and construction support. (2018-2019)

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 is performing the project management duties, coordinating and tasking personnel, and overseeing the electrical design development. (2018-Present)

OAK HARBOR EAST UTILITY, LAKESHORE ESTATES 450K WWTP EXPANSION: Slidell, LA. *Electrical Engineer of Record* - Mr. Prattini designed the power distribution system for a 450,000 gallon per day WWTP system. (2019-Present)

OAK HARBOR EAST UTILITY, LAKESHORE ESTATES WATER WELL #2: Slidell, LA. *Electrical Engineer of Record* - Mr. Prattini designed the power distribution system for a 75,000 gallons per day water well site including 400kW generator standby power system. (2019-Present)



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

MICHAEL CHIASSON, PE, Senior Electrical Engineer

PROJECT ASSIGNMENT:

Instrumentation and Controls Design

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

11

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 40 years of experience in the design and development of process control and power systems. Mr. Chiasson has completed designs for several waste water lift stations and drainage pumping stations, roadway lighting design, as well as other power and controls engineering projects. He is responsible for the preparation of plans and specifications (design and development) from plans and specifications to final construction inspection. Calculations, field inspections, data collection, and report preparation were also parts of these projects. Mr. Chiasson is experienced with the standards required for electrical projects and is capable of completing the pump station electrical design 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

STORM-PROOFING FOR COUSINS AND ELMWOOD PUMP STATIONS: Jefferson Parish, LA. Electrical Engineer - The project included preparation of electrical plans and specifications for installation of redundant standby 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 includes 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. Mr. Chiasson played a major, leading role in the design and development. (2009-2010)

PUMP STATION 58, 514 REPLACEMENT: Baton Rouge, LA. Electrical Engineer of Record - These projects included preparation of electrical, instrumentation, and controls plans and specifications for a new 120 MGD wastewater lift station at both Lift Station 58 and Lift station 514. The Pump Station 58 design included six (6) 400 horsepower and six (6) 70 horsepower submersible pumps to handle wet and dry weather flow, respectively. The Pump Station 514 design included six (6) 500 horsepower and two (2) 165 horsepower submersible pumps to handle wet and dry weather flow, respectively. 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



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

MICHAEL CHIASSON, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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. Included in these projects were testing criteria to validate construction meets specification requirements. (2010-2014) (City-Parish Project No. 09-PS-MS-0034, 09-PS-MS-0034)

DRAINAGE PUMP STATION UPGRADES COUSINS PUMPING STATIONS 1, 2, AND 3, HARVEY PUMPING STATION, WHITNEY PUMPING STATION, BAYOU SEGNETTE PUMPING STATION, AND ELMWOOD PUMPING STATION:

Jefferson Parish, LA. *Electrical Engineer of Record* - The projects involved automating both diesel and electric powered pumps to remove drainage water to prevent neighborhood flooding. The automation included sufficient remote controls so that pumps could be operated from either inside the pump station or from a "safe house" location. The requirement meant adding additional instrumentation to diesel and electric pumps so that the pumps could be started, stopped or RPM variance as needed. Project included adding instrumentation to monitor both the inlet and outlet water levels near pumping stations. The project also included adding generator capacity to assure pumping stations could run regardless of utility power. (2009-2012)

TERRACE STREET DRAINAGE PUMP STATION RENOVATIONS: Baton Rouge, LA. *Project Engineer* - Project included hydrologic and hydraulic analyses of the upper reaches of the Corporation Canal Watershed and an evaluation of the existing pumping equipment and canal control intake structure. This project involved the replacement of the existing four (4) 84,000 GPM pumps with new vertical turbine pumps, and replacing the existing diesel engine drivers with 1,250 HP horizontal electric motors. The project also included replacing the adjusting Corporation Canal intake weir structure with a permanent concrete weir control structure.

LAKESHORE VILLAGES & OAK HARBOR EAST UTILITY WATER TREATMENT PLANT EXPANSION: St Tammany Parish, LA. *Project 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)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

CARY BOURGEOIS, PE, Senior Vice President

PROJECT ASSIGNMENT:

QA/QC

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

34

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1983 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1989 / Licensed Professional Civil Engineer No. 23414

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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

RELEVANT PROJECT EXPERIENCE

ST. TAMMANY PARISH SEWER DISTRICT NO. 1, SEWER SYSTEM REHABILITATION PROJECT: Covington, LA.

Principal in Charge - GEC serves as the Consulting Engineer for the St. Tammany Parish Sewerage District No. 1 (District). The District services approximately 450 residential and 10 commercial customers in Covington, Louisiana. The original sewer system was installed in the 1950s and, as such, the system was in need of rehabilitation. As originally constructed, the lift stations were installed in series from the eastern end of the system to the treatment plant on the western end of the system. GEC designed a new lift station and 5,600 linear feet (LF) of 6" diameter sewer force main. GEC's repair work included point repairs and replacement of 6", 8", and 10" sewer mains, replacement of sewer laterals, and repair of sewer manholes and cleanouts. The project went to bid and awarded with alternatives for cured-in-place pipe lining. GEC prepared design plans and specifications, administered the bid opening and permitting, and will perform construction observation. Mr. Bourgeois has been instrumental in the QA/QC process. (10/19-Present)

TERRACE STREET DRAINAGE PUMP STATION RENOVATIONS: Baton Rouge, Louisiana. *Principal In Charge* - Project included hydrologic and hydraulic analyses of the upper reaches of the Corporation Canal Watershed and an evaluation of the existing pumping equipment and canal control intake structure. This project involved the replacement of the existing four (4) 84,000 GPM pumps with new vertical turbine pumps, and replacing the existing diesel engine drivers



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

CARY BOURGEOIS, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

with 1,250 HP horizontal electric motors. The project also included replacing the adjusting Corporation Canal intake weir structure with a permanent concrete weir control structure.

PALMISANO BLVD. DRAINAGE IMPROVEMENTS: Chalmette, LA. *Principal In Charge* - This project included 4,300 linear feet of 10'x6' and 8'x4' box culverts, a 25 CFS drainage pumping station and a four-lane concrete bridge over the Twenty-Arpent Canal. Our work included surveying, H&H study, preliminary design, final design, bidding, and construction phase services. (2017)

LAKESHORE VILLAGES & OAK HARBOR EAST UTILITY WATER TREATMENT PLANT EXPANSION: St Tammany Parish, LA. *Principal In Charge* - 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)

PREPARATION OF DESIGN REPORT AND PLANS AND SPECIFICATIONS FOR THE FRONTING PROTECTION AT DUNCAN PUMPING STATION: Jefferson Parish, Louisiana. *Principal In Charge* - The Duncan Canal Pump Station is located in Jefferson Parish on the drainage basin's East Bank of the Mississippi River. The project provided fronting protection across the entire width of the pumping discharge area. The designs consisted of a combination of gate monolith and T-wall monoliths. Also included were positive cutoff gates such as sluice gates or butterfly valves, where required. (2015)

SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, BOOSTER PUMP STATION 514 REPLACEMENT: Baton Rouge, LA. *Principal in Charge* - GEC designed and prepared structural, electrical, instrumentation and controls plans and specifications for the installation of a new 80MGD submersible pump station and control building. The pump station design included six 500 horsepower and two 165 horsepower submersible pumps to handle wet and dry weather flow, respectively. Pumps were additively started and speed ramped up to maintain the lift station water level and will rotate through a use profile to equalize pump runtime. In addition to pump rotation, automatic VFD speed control and addition and removal of pumps are utilized to handle varying wastewater flow demands based on control by the station 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 SSO program standards to allow seamless integration with the future parish wide SCADA system. The electrical distribution system features a 480 volts, 4000 ampere, 3-phase, 3-wire switchboard with automatic transfer controller and provisions for parallel operation of three 1000kW generators (furnished under 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 split the pump station loads on both sides of the tie-breaker. When properly coordinated, this arrangement will prevent a fault on either side of the tie-breaker from de-energizing all pumps. (2013)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

SHERRI LEBAS, PE, Senior Vice President

PROJECT ASSIGNMENT:

Principal-in-Charge

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

3.5

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1985 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1985 / Louisiana Licensed Professional Civil Engineer No. 23844

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Ms. LeBas is Senior Vice President of Business Development for GEC and is a professional civil engineer. In May of 2016, Ms. LeBas joined GEC after 30.5 years in state service in Louisiana. Her work experience includes the Louisiana Department of Transportation and Development (LADOTD) as well as the Louisiana State Division of Administration, Facility Planning and Control. Ms. LeBas spent 6 years of her state career as Secretary of LADOTD from 2010 to 2016 and understands the components of the successful delivery of projects including the management of the preconstruction phases and identification of funding sources and timing of the cash flow required. Ms. LeBas is a member of the American Society of Civil Engineers (ASCE), Louisiana Engineering Society (LES), Woman Transportation Seminar (WTS), American Council of Engineering Companies (ACEC) and is a board member of Good Roads. She has received numerous awards including Louisiana State University's Civil and Environmental Engineering Hall of Distinction (2011), LES A.B. Paterson Award for an Engineer in Management (2014), ASCE Louisiana Section Outstanding Civil Engineer (2016) and WTS Woman of the Year (2017). She is also a past board member of the American Association of State Highway Transportation Officials (AASHTO) and the Southeastern Association of State Highway and Transportation Officials (SASHTO) where she served as President 2014-2015.

Ms. LeBas serves as a resource to GEC's Program Manager of the Louisiana Department of Transportation and Development (LADOTD) Road Transfer Program. Ms. LeBas is serving as the Assistant Project Manager for the DOTD I-10 Widening, LA 415 to Essen Lane CMAR Project. In addition to LADOTD, Ms. LeBas has been involved in GEC projects with numerous public entities including but not limited to the Louisiana Division of Administration, Greater New Orleans Expressway Commission (Lake Pontchartrain Causeway), Parish of Jefferson, City of Kenner, the City of New Orleans, East Baton Rouge Parish, St. Tammany Parish and Livingston Parish.

As Secretary of LADOTD, Ms. LeBas' responsibilities included the administration of the State's transportation infrastructure capital and operating annual budget of \$1.7 billion. Under Ms. LeBas' leadership, the Highway Priority Program, Port Priority Program and Aviation Priority Program were developed and presented each year to the State legislature for approval. During the Legislative Session, Ms. LeBas provided testimony and answered questions regarding LADOTD's operating budget and capital program. In addition, Ms. LeBas was responsible for successful implementation



TEC PROFESSIONAL SERVICES QUESTIONNAIRE

NAME & TITLE:

SHERRI LEBAS, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

of the approved capital program to ensure that every dollar was obligated according to applicable regulations. Each year, LADOTD successfully obligated all of the federal funds which allowed LADOTD to apply and receive additional federal funding ranging from \$30 million to \$50 million. In addition to the funding generated by the State and Federal gas tax, Ms. LeBas sought out additional funding from other sources. These included bonding the unclaimed property funds generating a total of \$180 million, bonding half of the annual amount of the vehicle registration fees generating a total of \$325 million, and working with the federal government to secure \$90 million in Federal emergency funding. In addition, the \$430 million allocated under the American Recovery and Reinvestment Act (ARRA) were 100% obligated within the federal timeline; otherwise the funding would have been lost. Under Ms. LeBas' leadership, capital outlay requests including scope, schedule and budget were developed each year for submittal for additional funding from the State's Capital Outlay Program. As a professional engineer, Ms. LeBas had the skills and credentials to provide design guidance, work with staff to develop solutions to some of the most complicated design policy issues, and collaborate with staff to prioritize and determine the most efficient and effective way to fund the transportation program within the allocated funding while seeking other funding sources. In addition, as Secretary, Ms. LeBas was responsible for the State's emergency response which included transporting citizens that needed assistance during evacuations, contra flow during evacuations, damage assessment, and removal of debris after a hurricane or debris producing storm. As Secretary, Ms. LeBas was a member of the Governor's Unified Command Group.

For the Division of Administration, Facility Planning and Control (DOA, FP&C), Ms. LeBas managed the non-state entity program from 1998-2003 which is funded through State capital outlay general obligation bond dollars. Under Ms. LeBas' leadership, the program was restructured to improve the process for non-state entities while maintaining the State's oversight of ensuring that the tax payer dollars were spent according to applicable policies and laws. Ms. LeBas co-authored the guidelines in 1999 and these guidelines, "Non-State Entity Capital Outlay Administrative Guideline", are still used today by DOA, FP&C. In addition, the Cooperative Endeavor Agreement between the State and the entity was revised. Ms. LeBas assisted cities, parishes, and political subdivisions of the State with moving their projects through the State process which included project delivery, determining the cash flow required for the projects, timing of the funds including the appropriate priority of the funds, and development of the annual state Capital Outlay Act (House Bill 2).

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:

**REHABILITATION OF
THE CLEARY AND
WEST NAPOLEON LIFT
STATION**

Jefferson Parish, Louisiana

*Client: Jefferson Parish
Government, Amit
Sengupta, (504) 736-6500*

NATURE OF FIRM'S RESPONSIBILITY:

GEC provided plans & specifications and supplemental services for the rehabilitation of the Cleary and West Napoleon Lift Station. GEC was required to evaluate the feasibility of reducing overflows from station F6-11 (Houma & West Napoleon) by reducing flow into the station. This work included redirecting the effluent from F6-13 (Cleary & West Napoleon) to the 48" Regional Force Main. The design services included the design of a new force main from F6-13 (Cleary & West Napoleon) to the 48" Regional Force Main as well as design upgrades to the existing F6-13 station (Cleary & West Napoleon) to accommodate increased head conditions, including upgrades to the pumps, control panel, electrical service, and roadway restoration.



COMPLETION DATE (ACTUAL OR
ESTIMATED):

2017

ESTIMATED COST:

ENTIRE PROJECT:

\$ 1,570,000 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 94,822 (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:

**SEWER SYSTEM
REHABILITATION
PROGRAM, COVINGTON
COUNTRY CLUB SEWER
REHABILITATION**

Covington, Louisiana

*Client: St. Tammany
Sewer District No. 1, Pete
Lee, (985) 892-0312*

NATURE OF FIRM'S RESPONSIBILITY:

GEC serves as the Consulting Engineer for the St. Tammany Parish Sewerage District No. 1 (District). The District services approximately 450 residential and 10 commercial customers in Covington, Louisiana. The original sewer system was installed in the 1950s and, as such, the system was in need of rehabilitation. As originally constructed, the lift stations were installed in series from the eastern end of the system to the treatment plant on the western end of the system.

GEC designed a new lift station and 5,600 linear feet (LF) of 6" diameter sewer force main. GEC's repair work included point repairs and replacement of 6", 8", and 10" sewer mains, replacement of sewer laterals, and repair of sewer manholes and cleanouts. The project went to bid and awarded with alternatives for cured-in-place pipe lining. GEC prepared design plans and specifications, administered the bid opening and permitting, and performed construction observation for the CCTV of existing sewer lines, 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.



COMPLETION DATE (ACTUAL OR ESTIMATED):

2021

ESTIMATED COST:

ENTIRE PROJECT:

\$ 1,348,900 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 141,000 (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. 3

PROJECT NAME, LOCATION AND
OWNER'S CONTACT
INFORMATION:

NATURE OF FIRM'S RESPONSIBILITY:

**COVINGTON POINT
SEWER LIFT STATION
IMPROVEMENTS**

Covington, Louisiana

*Client: City of Covington,
Bob Moeinian, (985) 892-
1811*

The City of Covington was awarded a grant for the purpose of reducing and eliminating risks to water quality within the Lake Pontchartrain Basin. The Covington Point lift station was considered at high risk for release of untreated discharge due to its location within the floodplain. GEC provided engineering services to mitigate this risk and performed design of a retrofit of the existing lift station. GEC's design improvements included replacement of above-ground self-priming pumps and motors with two 230 GPM submersible wastewater pumps, along with wet-well rehabilitation. GEC also provided the design and installation of a new Emergency Pump Out Connection. GEC's services included civil, electrical, and mechanical engineering design, plans and specs, bidding and construction engineering, and construction inspection services.



COMPLETION DATE (ACTUAL OR
ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2015

\$ 82,000 (Estimated)

\$ 6,800 (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. 4

PROJECT NAME, LOCATION AND
OWNER'S CONTACT
INFORMATION:

**BIG HILL ACRES WATER
AND SEWER**

Jackson County,
Mississippi

*Client: Jackson County
Utility Authority, Tommy
Fairfield, Jr., Executive
Director, (228) 762-0119*

NATURE OF FIRM'S RESPONSIBILITY:

The project was conceived to bring public water and sewerage systems to the Big Hill Acres area in Jackson County, Mississippi. The area was originally developed with individual residential water wells and septic tanks. The septic tanks were failing which posed concerns about the safety of the water wells.

The project serves an area of 2,400 acres with 855 platted lots. Due to the hilly terrain, and the extreme distances from the residences to the roadways, a low-pressure sewer system was installed, with 650 individual grinder pump stations.

The water system included a 1,000 GPM water well, a 250,000 gallon water tower, 108,280 L.F. of 6" to 12" water mains and 850 water service connections. The sewer system included 163,560 L.F. of 2" to 10" sewer force mains, four sewer lift stations, 650 grinder pump stations, and 850 sewer services. The project was constructed in two construction contracts.

Contract One was funded by and administered by the US Army Corps of Engineers. Contract Two was funded by a USDA Rural Development loan. GEC was responsible for planning and designing both contracts. GEC's professional service contract included program development, a comprehensive preliminary engineering report, topographic surveying, a geotechnical investigation, preparing plans and specifications, and bidding. The services also included construction phase engineering for both construction contracts and resident project inspection services for Contract Two.

COMPLETION DATE (ACTUAL OR
ESTIMATED):

2016

ESTIMATED COST:

ENTIRE PROJECT:

\$ 14,815,000 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 1,289,000 (GEC Fees)

TEC PROFESSIONAL SERVICES QUESTIONNAIRE

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

PROJECT NO. 5

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:

SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, PUMP STATION 58A, SGC-C-PS58A (STARING LANE – OVERFLOW PS)

Baton Rouge, Louisiana

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

NATURE OF FIRM'S RESPONSIBILITY:

GEC designed the replacement of a 50-year old wastewater pump station of the dry well/ wet well type with a modern and larger capacity submersible type wastewater pump station.

The project included several unique design features from sitting through hydrodynamics. The existing wastewater pump station is located near the main entrance to the LSU Burden Center and Rural Life Museum. The project consists of the construction of two separate, but interchangeable, pump stations. One pump station handles normal daily wastewater flow up to 30 MGD, the other pump station then receives flow in excess of 30 MGD and up to 90 million MGD, for a total pump station capacity of 120 MGD. The pump station consisted of the 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.

GEC's design of these two pump station wet wells was based on results obtained from both a Physical Hydraulic Flow Model Study and Computational Fluid Dynamic Flow Study of the wet wells. The project also included the installation of 72 in. and 84 in. gravity sanitary sewers, the installation of 16 in., 36 in., 48 in. and 60 in. ductile iron pipe force mains, electrical control building, electrical standby diesel fuel generators, site paving, installation of a roundabout for the new Burden Center Entrance Road, fencing, and landscaping. GEC reconfigured the site to relocate the pump station to an area more compatible with the long-range development plans for the Burden Center, while maintaining service at the existing pump station during the construction of the new pump stations.



COMPLETION DATE (ACTUAL OR ESTIMATED):

2014

ESTIMATED COST:

ENTIRE PROJECT:

\$ 13,000,000 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 2,546,824 (Total 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:

**SANITARY SEWER
SYSTEM UPGRADES,
NORTH STN FORCE
MAIN SANITARY
SYSTEM, HIGHWAY 61 –
PLANK ROAD MULTIPLE
PUMP STATION
REPLACEMENT**

Baton Rouge, Louisiana

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

GEC was the prime consultant on an A-E design team for this project which included replacement of eight (8) existing pump stations with the SSO Program submersible type pump stations ranging in size from 0.5 MGD to 13.0 MGD. GEC designed and prepared the various piping, civil and site, structural, electrical, instrumentation and controls plans and specifications for the pump stations and two (2) electrical control buildings, the duplex and triplex stations will be designed using the City-Parish standard details adapted to the varying site conditions. The two large program pump station designs include four (4) 185 horsepower (PS 43) and four (4) 105 horsepower submersible pumps (PS 153) to handle wet and dry weather flow. Pumps will be additively started and speed ramped up to maintain the lift station water level and will rotate through a use profile to equalize pump runtime. In addition to pump rotation, automatic VFD speed control and addition and removal of pumps are utilized to handle varying wastewater flow demands based on control by the station 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 seamless integration with the future parish wide SCADA System.



COMPLETION DATE (ACTUAL OR
ESTIMATED):

ESTIMATED COST:

ENTIRE PROJECT:

WORK FOR WHICH FIRM WAS RESPONSIBLE:

2018

\$ 1,278,000 (Estimated)

\$ 832,136 (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:

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

Baton Rouge, Louisiana

*Client: City/Parish of
East Baton Rouge, Amy
Schulze, PE, (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. 8

PROJECT NAME, LOCATION AND
OWNER'S CONTACT
INFORMATION:

**BROAD STREET
UNDERPASS PUMPING
STATION REPAIRS AND
UPGRADES**

New Orleans, Louisiana

*Client: Sewerage & Water
Board of New Orleans,
Reid Dennis, (504) 865-
0652*

NATURE OF FIRM'S RESPONSIBILITY:

On August 29, 2005, Hurricane Katrina caused extensive damage to ten (10) railroad underpass drainage pumping stations in the city of New Orleans. In 2011, GEC was selected to design the necessary repairs and upgrades to all ten (10) drainage pumping stations, including at the Broad Street Drainage Underpass Pumping Station. This typical drainage pumping station is located on N. Broad Street and is bounded by Florida Avenue and the railroad. GEC managed design, bidding, construction administration, and resident inspection services.

GEC's design included the removal of mud and debris from the wet well and from the 36" and 21" drain lines upstream of the wet well. GEC also designed the replacement of stormwater pumps, motors, and sump pumps along with new control panels and associated piping. The Broad Street project required the removal, rewinding, and reconditioning the existing motors, removal and replacement of the existing roof, and the installation of new single hung windows, a new exhaust fan and louver, and replacement of the spiral staircase.

GEC also developed a traffic control plan and assisted in obtaining permits from the railroad for use of railroad right-of-way and from the USACE for electrical wiring which is routed through the flood wall right-of-way.



COMPLETION DATE (ACTUAL OR
ESTIMATED):

2019

ESTIMATED COST:

ENTIRE PROJECT:

\$ 992,000 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 238,500 (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:

**INFRASTRUCTURE
REPAIR PROGRAM,
AREA 10, 6TH STREET
SOUTH (SXSS)**

Biloxi, Mississippi

*Client: City of Biloxi,
Damon Torricelli, (228)
435-6265*

NATURE OF FIRM'S RESPONSIBILITY:

On August 29, 2005, Hurricane Katrina damaged a significant amount of the infrastructure in the City of Biloxi. In response to the damage, FEMA granted repair funds to the City. In 2010, the City, through a competitive selection process, selected GEC to provide professional services for the repair of pavement and related sewer, water, and drainage systems. The project also includes the design and construction of a new wastewater pumping station to consolidate existing damaged pump stations.

GEC designed the Area 10, 6th Street South portion of the Biloxi Infrastructure Repair Program for water distribution system improvements, sewage collection system improvements, pump station design, storm drainage systems improvements and design, and road improvements design. The water distribution system design consisted of 12,225 linear feet of 6", 8", 12", and 16" diameter water mains including fire hydrants and valves. The project consists of civil engineering for an area entailing roughly 175 acres with more than 5 miles of roadway, utilities, and drainage improvements including subsurface sewer and drain pipes, and one 8,000 GPM \$2.4M sewer pumping station. Construction of the lift station, pictured, was completed in 2016.



GEC services include: attending meetings, researching and obtaining field information, topographic survey, drainage analysis, determining additional R/W requirements, compiling an engineer's estimate, and construction administration duties. Deliverables include: detailed plans and specifications for conceptual design, preliminary design, final design, and construction phase documents. Plans include: summary of quantities, typical sections, general notes and details, removal plans, water and sewer plan and profile sheets, pavement and drainage plan and profile sheets, cross sections, drainage analysis, design calculations, traffic control plans, pavement marking plans, intersection details, and SWPPP and details. The program is funded by the Federal Emergency Management Agency (FEMA) and must be in compliance with FEMA's Public Assistance Guide (FEMA 322).

GEC is currently conducting construction administration and inspection services for the project which is currently under construction, estimated to be completed summer 2021.

COMPLETION DATE (ACTUAL OR
ESTIMATED):

2021

ESTIMATED COST:

ENTIRE PROJECT:

\$ 16,000,000 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 845,400 (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:

**GENERATORS AND
STORM-PROOFING
FOR MOUNT KENNEDY
PUMP STATION**

Jefferson Parish, Louisiana

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

NATURE OF FIRM'S RESPONSIBILITY:

GEC designed and prepared electrical plans and specifications for the installation of two permanent 1500kW generators sets and paralleling switchgear, and fuel system for the Mount Kennedy drainage pump station in Jefferson Parish. The pump station is an unmanned outdoor facility and consists of three 400HP, 480 Volt, 3-phase, 24-pole, 300 RPM electric motor driven pumps, each capable of pumping 167 cubic feet per second. The pumps are operated by level controls on an alternating basis to equalize runtime.

The design included modeling of the electrical system using ETAP power station software and performing motor starting, short-circuit and load flow analyses to size the new generators and over-current devices. Because the pump station is unmanned, the design included a CCTV camera system, a fuel cycling and filtration system and provisions for remote control and monitoring of the generator system and integration into an existing SCADA automation system at the adjacent Ames Pump Station. Ames, a 24-hour manned pump station, maintains communication via fiber optic connectivity between the two pump stations.



COMPLETION DATE (ACTUAL OR
ESTIMATED):

2009

ESTIMATED COST:

ENTIRE PROJECT:

\$ 1,500,000 (Estimated)

WORK FOR WHICH FIRM WAS RESPONSIBLE:

\$ 157,000 (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. None | | |
| 2. | | |
| 3. | | |
| 4. | | |

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

Rehabilitation of the Transcontinental & Belle Lift Station

STATEMENT OF QUALIFICATIONS

G.E.C., Inc. (GEC) appreciates the opportunity to offer Jefferson Parish a highly capable and experienced professional team to provide professional engineering services related to the design for the Rehabilitation of the Transcontinental & Belle Lift Station.

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. We are committed to providing engineering services to Jefferson Parish on time and within budget to effectively accomplish the project goals. GEC staff can perform all of the required professional design and rehabilitation of lift stations.

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.

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

Established in 1986 in Baton Rouge, GEC is a shareholder owned corporation with additional offices in California and Florida and nearly 100 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

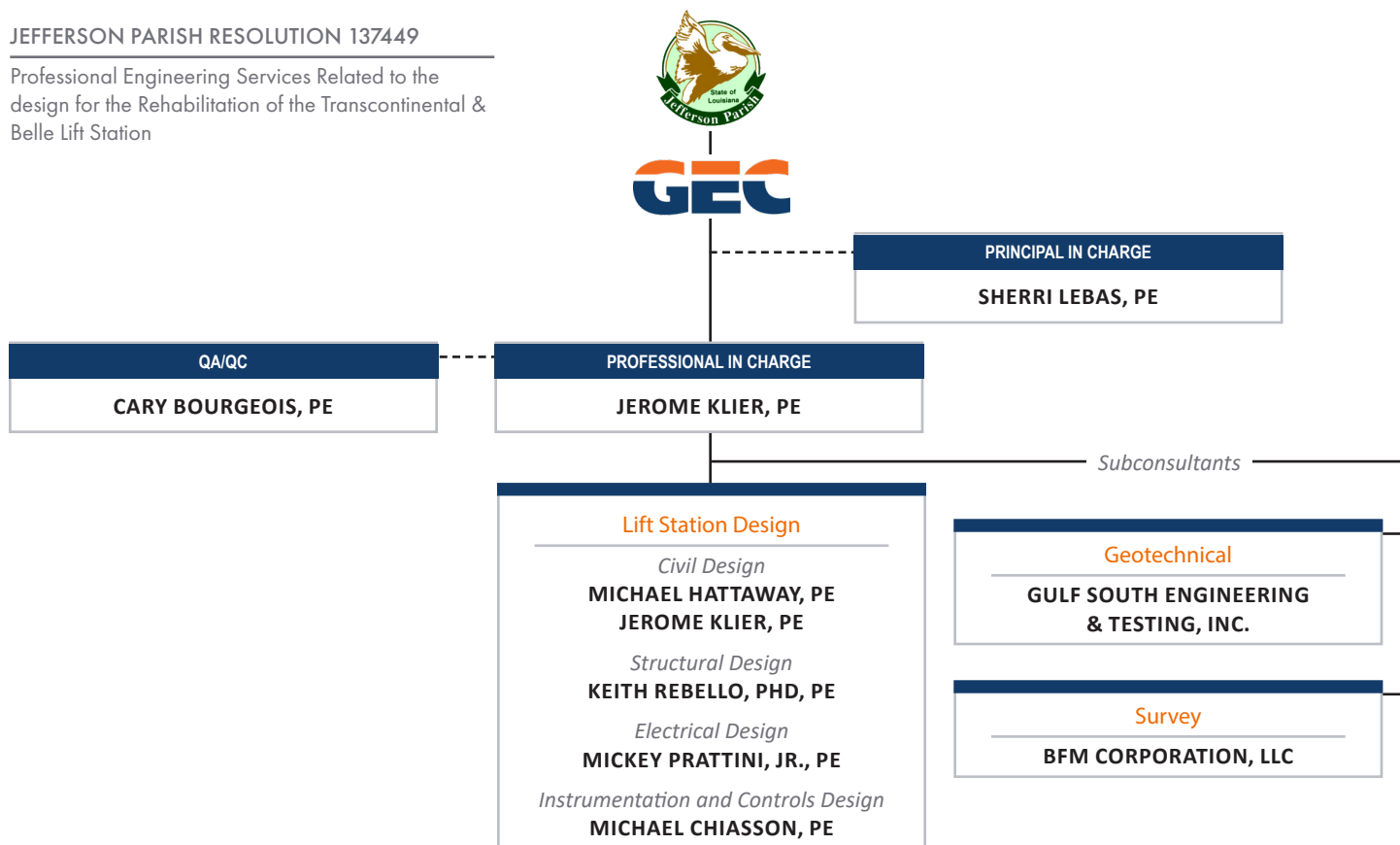
TITLE: Senior Vice President DATE: May 26, 2021

Organizational Chart

MEMBERS OF THE GEC TEAM PROPOSED FOR THIS PROJECT

JEFFERSON PARISH RESOLUTION 137449

Professional Engineering Services Related to the design for the Rehabilitation of the Transcontinental & Belle Lift Station



MINIMUM PERSONNEL REQUIREMENTS

| STAFF NAME YEARS OF EXP. | LICENSE NO. | MINIMUM PERSONNEL REQUIREMENT |
|---|---|---|
| Sherri LeBas, PE 33 Years of Experience | LA Licensed Professional Civil Engineer No. 23844 | The persons or firms under consideration shall have at least one (1) principal who is a registered professional engineer in the State of Louisiana. |
| Jerome Klier, PE 53 Years of Experience | LA Licensed Professional Civil Engineer No. 11591 | The persons or firms under consideration shall have a professional in charge of the Project who is a registered professional engineer in the State of Louisiana with a minimum of five (5) years' experience. |
| Michael Hattaway, PE 40 Years of Experience | LA Licensed Professional Civil Engineer No. 18672 | The persons or firms under consideration shall have one (1) employee who is a registered professional engineer in the State of Louisiana in the applicable discipline involved. |

Professional Qualifications

LIFT STATION DESIGN 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 lift station design services.

The GEC Team includes local firms to provide services for this project — Gulf South Engineering & Testing, Inc. for geotechnical services and BFM Corporation, LLC for survey.

(1) Professional training and experience

DESIGN AND REHAB OF LIFT STATIONS

As noted herein, GEC has dozens of professionals experienced in the areas of hydrology, hydraulics, open channel modeling, drainage, flood protection and flood control systems, and other structures that primarily support civil works type programs for Federal, state and local governments, as well as the private sector. We offer Jefferson Parish a broad range of experience to help execute the lift station rehabilitation.

For the Cleary and West Napoleon Lift Station, pictured right, GEC successfully evaluated the feasibility of reducing overflows from station F6-11 (Houma & West Napoleon)



Cleary and West Napoleon Lift Station, Jefferson Parish, LA

by reducing flow into the station. GEC provided plans & specifications and supplemental services for the rehabilitation of the lift station in Jefferson Parish in 2017.

In early 2021, GEC designed a new lift station and 5,600 linear feet (LF) of 6" diameter sewer force main for the Covington Country Club, part of the sewer system rehabilitation program managed by GEC for the St. Tammany Parish Sewerage District No. 1. GEC's repair work included point repairs and replacement of 6", 8", and 10" sewer mains, replacement of sewer laterals, and repair of sewer manholes and cleanouts.

(2) Size of Firm

PROJECT EVALUATION, PROJECT DESIGN, DRAFTING OF TECHNICAL PLANS, DEVELOPMENT OF TECHNICAL SPECIFICATIONS AND CONSTRUCTION ADMINISTRATION.

GEC currently has ample staff available to work either full or part time on any project assigned by Jefferson Parish, including dozens of personnel in our Baton Rouge and Metairie offices. GEC's staff includes nearly 100 project management professionals, engineers, planners, technicians, environmental specialists, and other support personnel. Many have earned advanced degrees and possess more than 10 years of experience.

(3) Capacity for timely completion

CONSIDERING THE FACTORS OF TYPE OF ENGINEERING TASKS

For over 32 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 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.

(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

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 PROJECTS

- Causeway Boulevard Overlay (Bore Street to West Napoleon Avenue)
- North Causeway Boulevard Widening and Overlay (17th Street to 6th Street)
- Causeway Boulevard/West Napoleon Boulevard Intersection Improvements
- Causeway Boulevard Grade Improvements at Lake Pontchartrain Causeway Bridge

ADDITIONAL INFORMATION

- 17th Street Improvements (Causeway Boulevard to Severn Avenue)
- West Napoleon Avenue (Houma Boulevard to Harvard Avenue)
- Jefferson Parish Submerged Roads Restoration (Council Districts 1, 2, and 5)
- West Napoleon Avenue (Roosevelt Boulevard to Williams Boulevard)
- Citrus Boulevard Extension (Clearview Parkway to Elmwood Park Boulevard)
- Louis Armstrong International Airport Access Roadway Reconstruction
- Veterans Boulevard U-Turn (Ridgelake Drive to Tolmas Drive)
- Veterans Boulevard Overlay (Clearview Boulevard to Severn Avenue)
- Cleary Avenue/West Napoleon Avenue Lift Station Upgrades
- Maplewood/Paillet Drainage Improvements
- Airline Drive Lighting Improvements
- City of New Orleans Street Restoration – St. Bernard District (New Orleans)
- Fleur de Lis Boulevard Reconstruction (New Orleans)
- Ormond Boulevard Rehabilitation (Destrehan)
- Audubon Boulevard Reconstruction (Slidell)
- Foy Street (Jumonville Street to Duplessis Street) (New Orleans)
- Hamburg Street (Caton Street to Sere Street) (New Orleans)
- Gibson Street (Caton Street to Sere Street) (New Orleans)
- Milton Street (St. Bernard Avenue to Hamburg Street) (New Orleans)

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.

In 2020, GEC was awarded the ACEC Engineering Excellence Award, Water Resources category, for our design of the Palmisano Blvd. Improvements project. For the HMGP-funded project, GEC provided project management services associated with the design and construction of drainage repairs and improvements, including increased drainage station pumping capacity for an area of Palmisano Blvd. near Plaza Drive.

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

Joseph Douglas, PE • PO Box 94245, Baton Rouge, LA • (225) 379-1315

New Orleans Regional Planning Commission

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

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

| | |
|----------------|-------------------------|
| Name: | Public Address: |
| G. E. C., Inc. | Mr. Jim Mitchell |
| | 8282 Goodwood Boulevard |
| | Baton Rouge,LA 70806 |

License/Certificate Information w/ Supervision

| License | Status | First Issuance Date | Expiration Date | Supervisor(s) |
|------------|--------|---------------------|-----------------|--|
| EF.0001917 | ACTIVE | 11/15/1994 | 03/31/2023 | Mr. Cary Allen Bourgeois # PE.0023414 - Active |
| | | | | Ms. Sherri Hammond LeBas # PE.0023844 - Active |

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Engineering Services related to the Design of the
Rehabilitation of the Transcontinental & Belle Lift Station (E8-1)
 SOQ 21-008 | Resolution No. 137449

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



BFM
 CORPORATION, LLC
Professional Land & Hydrographic Surveying

BFM Corporation, LLC
 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., Executive Vice President
 504-468-8800 • 504-460-5239 cell • cpoche@bfmcorporation.com
 Registered Professional Civil Engineer, Louisiana No. 27667 (since 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.

Ralph P. Fontcuberta, Jr., Executive Vice President • LA License No. 4329 (1974)
 504-468-8800 • 504-451-7500 cell • ralph@bfmcorporation.com
 Registered Professional Land Surveyor, Louisiana No. 4329 (since 1974)

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

| | | | | | |
|---|-----------------------------|---|--------------------------|-----------|--------------------------|
| 1 | Administrative | - | Estimators | - | Specification Writers |
| - | Architects (Licensed) | - | Geologists | - | Structural Engineers |
| - | Chemical Engineers | 1 | Geotechnical Engineers | - | Graduate Engineers |
| - | Civil Engineers | - | Interior Designers | 3 | Project Managers |
| - | Construction Inspectors | - | Landscape Architects | 3 | Clerical |
| - | Ecologists | - | Mechanical Engineers | - | Grant/Funding Specialist |
| - | Electrical Engineers | * | Land Surveyor (*see PLS) | - | Sanitary Engineers |
| - | Engineer Intern | - | Mechanical Engineers | 2 | Principals |
| 1 | Professional Land Surveyors | - | Environmental Engineers | 1 | Technician |
| | | | | 3 | Drafting/AutoCADD |
| | | | | 4 | Survey Crew Chiefs |
| | | | | 5 | Instrument Men |
| | | | | 24 | 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 _____

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:

24 (all personnel, primary and support, will be available on all assigned projects)

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:

Ralph P. Fontcuberta, Jr., PLS
Executive Vice President

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

39 years (Founding Principal of BFM in 1982); 54 years total (1967)

Education: Degree(s)/Year/Specialization:

Coursework, Building, Delgado College, New Orleans
Coursework, Math, University of New Orleans

Active registration: Year first registered/discipline:

1974, Professional Land Surveyor (Louisiana Lic. No. 4329)
1974, Professional Land Surveyor (Mississippi Lic. No. 1633)

Other experience and qualifications relevant to the proposed Project:

Ralph P. Fontcuberta, Jr., PLS has better than half a century of experience in the field of surveying and has been a registered Professional Land Surveyor (PLS) since 1974. He is thoroughly knowledgeable in all aspects of surveying: topographic, hydrographic, boundary, right-of-way surveying, and all facets thereof. He has provided surveying services for residential, plant, and industrial layout projects, ranging from small private lots & buildings to multi-million dollar programs, including the New Orleans FEMA Streets/Recovery Roads Program.

Since the beginning of his career, his work has entailed computations, drafting, and field work for various industrial, commercial, municipal, and private clients. Project work has included topographic surveying needed for a wide variety of engineering, architectural, and related endeavors.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ralph P. Fontcuberta, Jr., PLS (continued)

Mr. Fontcuberta's **surveying experience with Jefferson Parish can be traced back to BFM's inception in 1982**, and before then while working as a surveyor with another firm. He has over half a century of experience with surveying throughout the region and **specifically with Jefferson Parish**. He has served as the PLS for projects throughout every corner of Jefferson Parish. Relevant project history includes, but is certainly not limited to, the following:

- Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA
- Sewer Lift Station F8-3, Metairie, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA
- 5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA
- Lift Station E3-2 (Elmwood & Citrus), Metairie, Jefferson Parish, LA
- Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Lift Station F7-12 (Grace King and Rockford), Metairie, Jefferson Parish, LA
- Lift Station K-11-3, Marrero, Jefferson Parish, LA
- Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA
- Lift Station E5-4, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Causeway and Scott Sewer Lift Station Rehabilitation, Jefferson Parish, LA
- Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Kennedy Heights Sewer Lift Station, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA
- Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA
- Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA
- Lakeside Mall Lift Station Servitude, Jefferson Parish, LA
- Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA
- Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA
- Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA
- DOTD H.010570, LA 49, Williams Boulevard, Kenner, Jefferson Parish, LA
- Latigue Road Extension, Jefferson Parish, LA
- Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, LA
- Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA
- Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA
- Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA
- Ames Boulevard Rehabilitation, Jefferson Parish, LA
- Green Acres Road, Metairie, Jefferson Parish, LA
- Veterans Memorial Boulevard - Westbound, Jefferson Parish, LA
- Hector Avenue Route Topographic Survey, Gretna, Jefferson Parish, LA
- Cousins Boulevard Extension (Phase I), Harvey, Jefferson Parish, LA
- Little Farms Avenue, Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Lapalco Boulevard Turn Lane (Lapalco Boulevard at Baratavia Boulevard), Jefferson Parish, LA
- Baratavia Boulevard Turn Lane Project, Marrero, Jefferson Parish, LA

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Chad M. Poché, P.E.
Executive Vice President

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

4 years (became partial owner of BFM in 2017); 28 years total (1993)

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:

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

Other experience and qualifications relevant to the proposed Project:

Mr. Poché is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for more than 20 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 waste facilities and 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 expert witness testimony. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

BFM Corporation projects overseen by Mr. Poché would include:

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)

Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)

Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA. BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$24,190 (fee); 2018)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)

Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)

5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)

Lift Station E3-2 (Elmwood & Citrus), Metairie, Jefferson Parish, LA. BFM prepared a topographic survey of the project site. (\$10,866 (fee); 2018)

Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA. BFM provided topographic surveying services for the project, located near the West Bank Expressway Access Road. (\$5,715 (fee); 2018)

Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA. BFM provided topographic surveying services in relation to improvements at Lift Station F7-13B, located at the intersection of Stefano Street and Wanda Lynn Drive in Garden Subdivision, Metairie. (\$4,770 (fee); 2018)

Lift Station E5-4, Jefferson Parish, LA. BFM provided topographic surveying services for the project site, located at Transcontinental and West Metairie. (\$6,530 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Field Operations Supervisor

Project Assignment:

Field Operations Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

13 years (joined BFM in 2008); 14 years total (2007)

Education: Degree(s)/Year/Specialization:

B.S., 2007, Physical Education, Trevecca Nazarene University

Active registration: Year first registered/discipline:

Professional Land Surveyor Registration in process, State of Louisiana

Other experience and qualifications relevant to the proposed Project:

Mr. Thayer is a Field Operations Supervisor with considerable experience in field surveying services, including ALTA/as-built surveying, construction layout, boundary, topographic, cross-sections, GPS use, and numerous other surveying types.

Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations. (\$22,860 (fee); 2016)

Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)

Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$11,216 (fee); 2016)

N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the project. (2016)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA. BFM prepared topographic surveys at the Helios PS and at the West Napoleon PS for the placement of emergency generators. (\$5,888 (fee); 2012)

Lakeside Mall Lift Station Servitude, Jefferson Parish, LA. BFM prepared a survey of the area needed for the replacement of a lift station on Severn Avenue. (\$2,540 (fee); 2015)

Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA. BFM provided boundary and topographic surveys for the project, which involved a force main survey involving Veterans Boulevard, between the Suburban Canal and North Hullen Street (lift station improvements). Both full and partial route surveys were executed. (\$20,000 (fee); 2016)

Lift Station E5-4, Jefferson Parish, LA. BFM provided topographic surveying services for the project site, located at Transcontinental and West Metairie. (\$6,530 (fee); 2018)

Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA. BFM's surveying services for the project involved a topographic survey of Lift Station F1-1 located at the intersection of Plantation road and Toler Street. (\$4,880 (fee); 2018)

Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA. BFM provided topographic surveying services in relation to improvements at Lift Station F7-13B, located at the intersection of Stefano Street and Wanda Lynn Drive in Garden Subdivision, Metairie. (\$4,770 (fee); 2018)

Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA. BFM executed a topographic survey for the project. (\$10,500 (fee); 2012)

N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA. BFM provided topographic and boundary surveying services for Lift Station N-12-1 (located at 41st Street & the Gardere Canal) in Jefferson Parish. (\$2,724 (fee); 2016)


Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$9,116 (fee); 2016)

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$4,520 (fee); 2017)

Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA. BFM executed a topographic survey for the project. (\$3,660 (fee); 2017)

Causeway and Scott Sewer Lift Station Rehabilitation, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$5,610 (fee); 2017)

TEC Professional Services Questionnaire

| |
|--|
| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
| Name & Title: |
| Gary J. Lambert, Jr., LSI Project Manager/Drafting Supervisor |
| Project Assignment: |
| Project Manager/Drafting Supervisor |
| Name of Firm with which associated: |
|  Professional Land & Hydrographic Surveying |
| Years experience with this Firm: |
| 3 years (joined BFM in 2018); 3 years total |
| Education: Degree(s)/Year/Specialization: |
| B.S., 2018, Geomatics, Nicholls State University B.S., 2014, Construction Management, Louisiana State University |
| Active registration: Year first registered/discipline: |
| 2019, Survey Intern, Louisiana, LSI.0000694 |
| Other experience and qualifications relevant to the proposed Project: |
| <p>Mr. Lambert provides Project Management and Drafting Oversight for the firm. He has also provided Survey Crew Chief Services since joining BFM and offers a well-rounded experience overview for any project. Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).</p> <p>5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)</p> <p>Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)</p> <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> |

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Gary J. Lambert, Jr., LSI (continued)

Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA.

BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)

Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (\$11,710 (fee); 2019)

Hanson City Task II Force Main, Kenner, LA. BFM provided Subsurface Utility Engineering (SUE) surveying services for the project. The SUE process includes non-destructive surface geophysical methods which determine the presence of subsurface utilities and to mark their horizontal position on the ground surface. Vacuum excavation techniques are used to expose & record the precise horizontal and vertical position of the assets. A conflict matrix is also created to evaluate and compare collected utility information with project plans, identify conflicts and propose solutions. (\$33,500 (fee); 2019)

Chateau Transfer Station Force Main, City of Kenner, LA. BFM's scope involved updating the topographic survey update for portions of Chateau Transfer Station Force Main (an update from a previous BFM surveying project). (\$13,110 (fee); 2019)


North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. BFM's project services included both boundary and topographic surveying of the project site. (\$6,870 (fee); 2019)

Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area (Allo Street) extended from 4th Street to 6th Street. (\$12,855 (fee); 2019)

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases included hydrographic topography of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$575,738 (fee); 2019)

Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA. BFM prepared a topographic survey of the project site for the Metairie Road Smart Growth Program. This included Metairie Road beneath the Causeway Boulevard Overpass. BFM established a baseline parallel to Metairie Road, set up two temporary benchmarks (TBMs), and located all existing improvements. Cross sections for the project area were taken on a 25 ft. grid within established limits. (\$12,660 (fee); 2019)

TEC Professional Services Questionnaire

| |
|--|
| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
| Name & Title: |
| Christopher Lemley Quality Control Supervisor |
| Project Assignment: |
| Quality Control Supervisor |
| Name of Firm with which associated: |
|  Professional Land & Hydrographic Surveying |
| Years experience with this Firm: |
| 7 years (joined BFM in 2014); 15 years total (2006) |
| Education: Degree(s)/Year/Specialization: |
| <i>High School Diploma</i> |
| Active registration: Year first registered/discipline: |
| N/A |
| Other experience and qualifications relevant to the proposed Project: |
| <p>Mr. Lemley serves as BFM's Quality Control Supervisor, overseeing all work and activity by the firm's personnel to be sure all is kept up to our exacting standards. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station.</p> <p>Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA. BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$24,190 (fee); 2018)</p> <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> <p>Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)</p> |

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Thomas O. Wright
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

13 years (joined BFM in 2008); 44 years total (1977)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

*American Traffic Safety Service Assn. – Traffic Flagger/Control Technician/Control Supervisor
Basic OSHA Training - Completed
Transportation Work Identification Card (TWIC)*

Other experience and qualifications relevant to the proposed Project:


Mr. Wright has over 40 years of experience in surveying services, including a multitude of project types (water, wastewater, stormwater, drainage, roadway, etc.) throughout the region.

Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations. (\$22,860 (fee); 2016)

Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA. BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$24,190 (fee); 2018)

Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
|--|
| Name & Title: |
| <p>Curtis "Jay" Barrios Survey Crew Chief</p> |
| Project Assignment: |
| <p>Survey Crew Chief</p> |
| Name of Firm with which associated: |
|  |
| Years experience with this Firm: |
| <p>31 years (joined BFM in 1990); 31 years total (1990)</p> |
| Education: Degree(s)/Year/Specialization: |
| <p><i>High School Diploma</i></p> |
| Active registration: Year first registered/discipline: |
| <p><i>American Traffic Safety Service Assn. – Traffic Flagger Transportation Work Identification Card (TWIC)</i></p> |
| Other experience and qualifications relevant to the proposed Project: |
| <p>Mr. Barrios' surveying experience includes boundary, hydrographic, and topographic. He has worked on location and performed topographic surveys for a number of major projects.</p> <p>Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA. BFM prepared topographic surveys at the Helios PS and at the West Napoleon PS for the placement of emergency generators. (\$5,888 (fee); 2012)</p> <p>Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations. (\$22,860 (fee); 2016)</p> <p>N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the project. (\$7,048 (fee); 2016)</p> <p>Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA. BFM executed a topographic survey for the project. (\$10,500 (fee); 2012)</p> |

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Gladney
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

7 years (joined BFM in 2014); 20 years total (2001)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

*American Traffic Safety Service Assn. – Traffic Flagger
Norfolk Southern Roadway Worker Protection Contractor Safety Cert.
Transportation Work Identification Card (TWIC)*

Other experience and qualifications relevant to the proposed Project:

Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA. BFM executed a topographic survey for the project. (\$3,660 (fee); 2017)

Lasalle Rest Room Building, Jefferson Parish, LA. BFM prepared a boundary survey (with topographic services) for the project, elements of which included TBM (Temporary Benchmarks), location of visible/ below ground surface (BGS) utilities, research of record drawings, pipe location & determination of sizes/types, trees and other natural elements, etc. BFM further provided a construction benchmark (CBM) and all drawings (AutoCAD) as outlined. Later services included location of sewer manholes and lift station. (\$9,420 (fee); 2017)

Causeway and Scott Sewer Lift Station Rehabilitation, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$5,610 (fee); 2017)

Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA. BFM's surveying services for the project involved a topographic survey of Lift Station F1-1 located at the intersection of Plantation road and Toler Street. (\$4,880 (fee); 2018)

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$4,520 (fee); 2017)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jeff Patin

Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

2 years (joined BFM in 2019); 22 years total (1999)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:


Mr. Patin has worked as a Survey Crew Chief and Instrumentman for 20 years for a number of southeastern Louisiana surveying firms on projects throughout the region. His work history includes supervision of field crew personnel, operation of various survey equipment (Topcon GPT, Leica GPS, Total Station, etc.), calculations, information collection, and any & all work required to execute the survey and obtain the information needed. Mr. Patin has worked on projects for various public & private clients, and has performed field work under the direction of the Corps of Engineers.

Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)


Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA. BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. (\$2,970 (fee); 2021)

River to Lake Bike Path, Monticello Canal & Dankin Street, Jefferson and Orleans Parish Line, LA. BFM executed a topographic survey of the Bike Path along Jefferson/Orleans Parish Line, north of Airline Drive to River Road at the Monticello Canal and Dakin Streets. (\$108,000 (fee); 2019)

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
|---|
| Name & Title: |
| <p>Anthony Watson CADD Technician</p> |
| Project Assignment: |
| <p>CADD Technician</p> |
| Name of Firm with which associated: |
|  <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p> |
| Years experience with this Firm: |
| <p>10 years (joined BFM in 2011); 30 years total (1992)</p> |
| Education: Degree(s)/Year/Specialization: |
| <p><i>Coursework - CAD, Avatech Solutions, Los Colinas, TX</i></p> |
| Active registration: Year first registered/discipline: |
| <p>NA</p> |
| Other experience and qualifications relevant to the proposed Project: |
| <p>Mr. Watson has experience as a draftsman/CADD technician, having started his career as an intern with the Surveying Department of the City of Plano, TX. His experience through the years includes manual and computer-aided drafting for a wide range of projects, ranging from small lot surveys to subdivisions to municipal treatment and private industrial plants. He has experience in all facets of surveying (boundary, topographic, ALTA/ACSM, plan & profile, etc.) in both drafting and field environments.</p> <p>Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA. BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. (\$2,970 (fee); 2021)</p> <p>Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$11,216 (fee); 2016)</p> <p>N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA. BFM provided topographic and boundary surveying services for Lift Station N-12-1 (located at 41st Street & the Gardere Canal) in Jefferson Parish. (\$2,724 (fee); 2016)</p> <p>Causeway and Scott Sewer Lift Station Rehabilitation, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$5,610 (fee); 2017)</p> |

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
|--|
| Name & Title: |
| <p>Shaun Clements CADD Technician</p> |
| Project Assignment: |
| <p>CADD Technician</p> |
| Name of Firm with which associated: |
|  <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p> |
| Years experience with this Firm: |
| <p>3 years (joined BFM in 2018); 6 years total (2015)</p> |
| Education: Degree(s)/Year/Specialization: |
| <p>Associates of Applied Sciences, 2015, Computer Drafting and Design (ITT)</p> |
| Active registration: Year first registered/discipline: |
| <p>NA</p> |
| Other experience and qualifications relevant to the proposed Project: |
| <p>Ms. Clements college work resulted in a GPA of 4.0, earning her Valedictorian status. She also was the recipient of the Highest Honors and Perfect Attendance Awards.</p> <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> <p>Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)</p> <p>Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)</p> <p>5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)</p> |

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

3 years (joined BFM in 2018); 36 years total (1985)

Education: Degree(s)/Year/Specialization:

A.D., 1999, Drafting & Design, Louisiana Technical College
Coursework, 1994-1997, Nunez Community College
Coursework, 1984-1988, Delgado Community College
Coursework, 1982-1983, University of New Orleans

Active registration: Year first registered/discipline:

NA


Other experience and qualifications relevant to the proposed Project:

Mr. Roberts has experience with civil engineering, offshore engineering, water purification systems, and general architectural and construction design & terminology. He obtained his A.D. in Drafting in 1999, and has taken additional coursework throughout his career.

Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)

TEC Professional Services Questionnaire

| |
|---|
| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
| Name & Title: |
| Dawn Hoffman Researcher/Archivist |
| Project Assignment: |
| Researcher/Archivist |
| Name of Firm with which associated: |
|  Professional Land & Hydrographic Surveying |
| Years experience with this Firm: |
| 12 years (joined BFM in 2009); 24 years total (1997) |
| Education: Degree(s)/Year/Specialization: |
| A.D., 1999, Computer-Aided Drafting, Southeast College of Technology Certificate, 2003, Introduction to ArcGIS, Louisiana State University |
| Active registration: Year first registered/discipline: |
| NA |
| Other experience and qualifications relevant to the proposed Project: |
| <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> <p>Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA. BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$24,190 (fee); 2018)</p> <p>Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)</p> <p>Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)</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: | |
|---|--|--|--------------------------------------|
| Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, Louisiana Richard C Lambert, Consulting Engineers 900 W Causeway Approach Mandeville LA 70471 Franz J. Zemmer, P.E., 985-727-4440 fzemmer@rclconsultants.com | | BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. | |
| Completion Date (Actual or estimated): | | Estimated Cost: | |
| | | Entire Project: | Work for which Firm was Responsible: |
| 2021 02 (FEB) | | N/A | \$4,140 (fee) |

PROJECT NO. 2

| Project Name, Location, and Owner's Contact Information: | | Nature of Firm's Responsibility: | |
|--|--|---|--------------------------------------|
| Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, Louisiana AIMS Group, Inc. 4421 Zenith Street Metairie LA 70001 Harold J. DeLeo, 504-887-7045 | | BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. | |
| Completion Date (Actual or estimated): | | Estimated Cost: | |
| | | Entire Project: | Work for which Firm was Responsible: |
| 2018 04 (APR) | | N/A | \$24,190 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 3 | | |
|---|--|--------------------------------------|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Blvd., Metairie, Jefferson Parish, Louisiana</p> <p>Richard C Lambert, Consulting Engineers 900 W Causeway Approach Mandeville LA 70471</p> <p>Franz J. Zemmer, P.E., 985-727-4440 fzemmer@rclconsultants.com</p> | <p>BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2021 01 (JAN) | N/A | \$2,970 (fee) |

| PROJECT NO. 4 | | |
|--|--|--------------------------------------|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Destrehan Lift Station Upgrades, Jefferson Parish, Louisiana</p> <p>Principal Engineering 1011 N Causeway Blvd Suite 19 Mandeville LA 70471</p> <p>Henry I. DiFranco Jr. P.E., 985-624-5001 henry@pi-aec.com</p> | <p>BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence.</p> <p>(Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564)</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2019 08 (AUG) | N/A | \$5,750 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 5 | | |
|---|--|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| Destrehan Lift Station Upgrades, Jefferson Parish, Louisiana Principal Engineering 1011 N Causeway Blvd Suite 19 Mandeville LA 70471 Henry DiFranco, 985-624-5001 henry@pi-aec.com | BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2019 08 (AUG) | N/A | \$11,710 (fee) |

| PROJECT NO. 6 | | |
|---|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, Louisiana H. Davis Cole & Associates, Inc. 1340 Poydras Street Suite 1850 New Orleans LA 70112 David Martin, P.E., 504-836-2020 | BFM's surveying scope involved topographic and boundary surveying services. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2019 02 (FEB) | N/A | \$8,790 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 7 | | |
|---|--|--------------------------------------|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Lift Station F8-3, Metairie, Jefferson Parish, Louisiana</p> <p>Richard C Lambert, Consulting Engineers 900 W Causeway Approach Mandeville LA 70471</p> <p>Franz J. Zemmer, P.E., 985-727-4440 fzemmer@rclconsultants.com</p> | <p>For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2019 10 (OCT) | N/A | \$11,890 (fee) |

| PROJECT NO. 8 | | |
|---|--|--------------------------------------|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, Louisiana</p> <p>Professional Engineering & Environmental Consultants (PEEC), Inc. 1065 Muller Parkway, Suite B Westwego LA 70094</p> <p>Jeff Meyers, 504-347-1900</p> | <p>BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2019 01 (JAN) | N/A | \$6,790 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 9 | | |
|---|---|--------------------------------------|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, Louisiana</p> <p>Principal Engineering 1011 N. Causeway Blvd Suite 19 Mandeville LA 70471</p> <p>Courtney I. Dickerson, P.E., 985-624-5001 courtney@pi-aec.com</p> | <p>BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 10 (OCT) | N/A | \$22,860 (fee) |

| PROJECT NO. 10 | | |
|---|---|--------------------------------------|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, Louisiana</p> <p>Linfield, Hunter & Junius, Inc. 3608 18th Street, Suite 200 Metairie LA 70002</p> <p>Sergio Girau, 504-833-5300 lhj@lhjunius.com</p> | <p>BFM provided boundary and topographic surveys for the project, which included a force main survey involving Veterans Boulevard, between the Suburban Canal and North Hullen Street (lift station improvements). Both full and partial route surveys were executed.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 12 (DEC) | N/A | \$20,000 (fee) |

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. | <div>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</div> | |
| 2. | | |
| 3. | | |
| 4. | | |

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

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

PROFESSIONAL TRAINING AND EXPERIENCE

Established in 1982, **BFM Corporation, LLC, Professional Land & Hydrographic Surveying**, has provided services to public & private concerns throughout Louisiana and the Gulf South. The firm provides surveying services covering all facets of engineering, construction, and forensics; topographic, hydrographic, and high definition laser scanning.

BFM is a majority Woman-Owned Business Enterprise (WBE) as well as a Hudson Initiative certified Small & Emerging Business and Small Entrepreneurship in Louisiana.

Our capabilities include the following and more:

- **Topographic Surveys** (*determine relative positions & elevations of natural & man-made features*)
- **Drone Surveying** (*detailed multi-acre data-capturing surveying*)
- **Bathymetric / Hydrographic Surveys** (*determine shoreline and depths of bodies of water*)

TEC Professional Services Questionnaire

N. continued.

- **Property, Boundary, and Right-of-Way Surveys** (*preparation of Legal Descriptions, property, and ROW maps to define project boundaries and for acquisition of property*)
- **Maps, Cross-Sections, and Data Sets** (*plan drawings, maps, diagrams, and data sets*)
- **3D Laser Scanning** (*unify raw data & model*)
- **Benchmarks** (*establishment of permanent, temporary, and construction benchmarks*)
- **Construction-Related Surveying** (*all types*)
- **Builder's Package** (*Boundary Survey & Construction Benchmark, Certificates including Form Board, Top of Slab, & Final FEMA Elevation*)
- **ALTA Surveys** (*American Land Title Association-compliant surveys*)

Project work (property, utilities, rights-of-way, etc.) routinely involves **extensive records & related research** as an element of successful completion, as well as coordination with the client, agency or department. BFM has personnel in place to make sure this is done correctly and expeditiously.

Our **Survey Field Crews** are equipped with Leica Viva & Leica Captivate Data Collectors, as well as Leica GPS Smart Antennas. Each GPS unit is linked to the Leica SmartNet Network, giving each crew the ability for Real Time Kinematic Positioning (RTK), derived from the Global Navigation Satellite System (GNSS). Furthermore, each crew is outfitted with Leica TS series robotic total stations, simplifying and expediting projects. BFM's crews are trained to use this equipment to its full potential to maximize accuracy and efficiency in the field.

BFM offers **Drone Surveying Services**, featuring a DJI Matrice 600 Pro drone outfitted with a Sony A7R3 42 megapixel camera, Pixhawk Triggering System, VMAP PPK system, and an A3 Pro Flight Controller. It can fly with payload for 20 minutes and can capture 50 acres of land in that time (with a flight ceiling of 165 feet, pixel quality is 0.71 CM). This allows BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

BFM's **3D modeling capabilities** provide the ability to process and model for any design purpose. High definition scanner data is processed using software from Leica and Autodesk. Furthermore, BFM is working on non-traditional survey deliverables, including virtual tours, live walkthroughs, detailed pipe rack modeling, and modeling for use with Autodesk Revit Architecture.

When needed, BFM has the ability to perform **automated bathymetry** to handle any **hydrographic surveying** task. For large rivers and bodies of water, BFM is equipped with Teledyne Odom Hydro Solutions' Hydro Trac Single Beam Echo Sounder. For smaller bodies of water, BFM uses SL20 Remote Controlled Boat equipped with CEE Scope Dual Channel Echo Sounder. The firm uses Hypack Software to process collected data. Further, BFM has the ability to execute multi-beam scans, side scans and magnetometer upon request.

TEC Professional Services Questionnaire

N. continued.

PERSONNEL

BFM Corporation's **Ralph P. Fontcuberta, Jr., PLS**, is a **Louisiana-Registered Professional Land Surveyor (since 1974)** and meets or exceeds any minimum requirements for any surveying project. He has been **providing surveying services in Louisiana for over 50 years** and brings an almost incalculable wealth of experience in the region to any project, especially in Southeast Louisiana.

BFM's **Chad M. Poché, P.E.** brings **more than 25 years of experience** to assist in completing projects on time and within budget. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana and has been the geotechnical engineer of record for thousands of projects throughout his career.

Our personnel included **multiple survey crews** and a **fully-staffed drafting department** to handle any project needs; they are thoroughly trained and extensively familiar with the region and needs of various types of surveying projects.

WORKLOAD & ABILITY TO MEET PROJECT DEADLINES

BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by the contract or project engineer. It is our continual goal to keep this reputation solid. Further, we establish base costs and fees for our services, and work with our clients to meet all project budgets. Our workload and scheduling, and proximity to the project site, will allow for quick assignment of personnel to any directed project.

EXPERIENCE WITH JEFFERSON PARISH

BFM has provided surveying services in **Jefferson Parish since 1982**, both **directly to Parish agencies and as a consultant to firms serving the Parish**. The firm has executed many hundreds of projects in the Parish, including both direct Parish projects and agency projects (CPRA, Louisiana DOTD, etc.), not to mention the scores of surveying projects for private individuals and industry.

As noted, Mr. Fontcuberta has **over half a century of professional land surveying experience**, including nearly 40 years with BFM. He has provided professional surveying services for **thousands of projects for and throughout Jefferson Parish**. Additional information beyond the scope of this RFQ response is available upon request.

LOCATION OF PRINCIPAL OFFICE

BFM has called Jefferson Parish home office location since the firm's inception in 1982; our principal office is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner.

LITIGATION STATEMENT

BFM Corporation is not involved in litigation with Jefferson Parish nor with any of our clients, as is noted in *Item M* of this form.

TEC Professional Services Questionnaire

N. continued.

PAST PERFORMANCE ON PUBLIC CONTRACTS / REFERENCES

Since 1982, BFM has worked with virtually every municipality in the region. We enjoy a high repeat-business rate with all our municipal & private clients. Further, we offer the following specific references for contact:

- **Mark R. Drewes, P.E.**, Director, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Neil Schneider, CCM, P.E.**, Director, Capital Projects, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Tom Schreiner**, Deputy CAO, Public Works & Capital Projects, City of Kenner (504-468-7515 | tschreiner@kenner.la.us)
- **Angela DeSoto, P.E.**, Director of Engineering, Jefferson Parish (504-736-6511 | ADeSoto@jeffparish.net)
- **Sid Trouard, P.E.**, Program Manager, Jefferson Parish Sewerage Capital Improvement Program (504-736-6386 | STrouard@jeffparish.net)
- **Greg Cromer**, Mayor, City of Slidell (985-646-4333 | gcromer@cityofslidell.org)

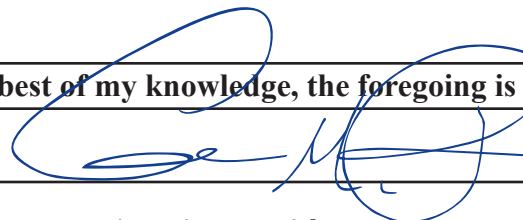
Our professional work history is exemplary. We strive to provide on-time and technically thorough project deliverables at the budget set by our clients.

OWNERSHIP

BFM Corporation, LLC is majority woman-owned by Cassandra Poché (51%). Chad M. Poché, P.E., Executive Vice President holds 40% and Ralph P. Fontcuberta, Jr., PLS, Executive Vice President and company co-founder, has 9%.

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

Signature:



Print Name:

Chad M. Poché, P.E.

Title:

Executive Vice President

Date:

May 5, 2021

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Engineering Services related to the Design of the
Rehabilitation of the Transcontinental & Belle Lift Station (E8-1)
 SOQ 21-008 | Resolution No. 137449

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



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
 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
 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:

| | | | | | |
|---|-----------------------------|---|-----------------------------------|---|--|
| 5 | Administrative | - | Estimators | - | Specification Writers |
| - | Architects (Licensed) | - | Geologists | - | Structural Engineers |
| - | Chemical Engineers | 2 | Geotechnical Engineers | 1 | Graduate Engineers |
| - | Civil Engineers | - | Interior Designers | - | Project Managers |
| 9 | Construction Inspectors | - | Landscape Architects | - | Clerical (<i>see Administrative</i>) |
| - | Ecologists | - | Land Surveyor (<i>*see PLS</i>) | - | Grant/Funding Specialist |
| - | Electrical Engineers | - | Mechanical Engineers | - | Sanitary Engineers |
| - | Engineer Intern | - | Environmental Engineers | 1 | Construction Managers |
| 1 | Professional Land Surveyors | | | 1 | Laboratory Managers |

*employees also include one Construction Engineer, two Construction Materials Testing (CMT) Supervisors, two Senior Engineering Technicians, one Laboratory Technician, one Soil Boring Driller, and one Soil Boring Driller Apprentice

28* 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 _____

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:

28 (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:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

10 years with this firm (2011); 28 years total (1993)

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
Water Well Contractor, LA No. 0840 (exp 06/30/2020)

Other experience and qualifications relevant to the proposed Project:

Mr. Poché is the Vice President, co-founder, and partner 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. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, 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, and concrete testing and inspection. (\$15,000 (fee); 2019)

Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Blvd. and Hudson St.) in Metairie, LA. Gulf South's scope 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. (\$8,500 (fee); 2020)

Lift Station F-13-6 Replacement, Marrero, Jefferson Parish, LA. Geotechnical investigation for construction of a new lift station replacing an existing one off Ehret Road and Broas Street in Marrero, LA. Scope includes drilling a single 80 ft. undisturbed soil boring, lab testing, and engineering analyses including below grade foundation recommendations, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction procedures and recommendations. (\$7,900 (fee); 2019)

New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA. Geotechnical investigation for construction of a new sewer lift station near the intersection of Elmwood Park Boulevard and Citrus Boulevard in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft), lab testing, and engineering analyses including net allowable soil bearing values (as appropriate), below grade foundation recommendations, allowable pile load capacities (timber), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

New Sewer Lift Station (Toulouse Avenue & Smith Drive), Metairie, Jefferson Parish, LA. Geotechnical investigation for a new sewer lift station (8 ft. dia. & 20 ft. bgs) at intersection of Toulouse Ave. and Smith Dr. in Metairie, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA. Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling St. in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA. Geotechnical investigation for the construction of a new lift station near Melrose Lane and Walter Road in River Ridge, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, below ground foundation recommendations, allowable pile load capacities, estimates of settlement, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Blake E. Vutera, P.E.
Engineering Manager

Project Assignment:

Engineering Manager/Geotechnical Engineer

Name of Firm with which associated:



Years experience with this Firm:

9 years with this firm (2012); 15 years total (2006)

Education: Degree(s)/Year/Specialization:

M.S., 2018, Civil Engineering, University of New Orleans
Certification - Coastal Engineering, 2018, University of New Orleans
B.S., 2008, Civil Engineering, Louisiana State University

Active registration: Year first registered/discipline:

2013, Civil Engineer, Louisiana, No. 38607
2018, Professional Engineer, Texas No. 129410

Other experience and qualifications relevant to the proposed Project:

Mr. Vutera serves as Gulf South's Engineering Manager and is based in Gulf South's Kenner, LA office. His experience with the firm includes daily work on geotechnical engineering projects as well as managing all geotechnical investigations and providing assistance with laboratory testing and construction materials testing and inspection. Engineering analyses that Mr. Vutera routinely performs include: shallow and deep foundations, slope stability analyses, settlement estimates, and pavement design. He is responsible for engineering design, report preparation, proposal preparation, personnel management, project management, and client interaction.

Mr. Vutera's field work consists of borehole logging; installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); pavement coring; nuclear field density tests; and hand augers. Mr. Vutera has been the geotechnical engineer of record for hundreds of projects throughout his career.

New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA. Geotechnical investigation for construction of a new sewer lift station near the intersection of Elmwood Park Boulevard and Citrus Boulevard in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft), lab testing, and engineering analyses including net allowable soil bearing values (as

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Blake E. Vutera, P.E. (continued)

appropriate), below grade foundation recommendations, allowable pile load capacities (timber), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

Lift Station F-13-6 Replacement, Marrero, Jefferson Parish, LA. Geotechnical investigation for construction of a new lift station replacing an existing one off Ehret Road and Broas Street in Marrero, LA. Scope includes drilling a single 80 ft. undisturbed soil boring, lab testing, and engineering analyses including below grade foundation recommendations, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction procedures and recommendations. (\$7,900 (fee); 2019)

New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA. Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling St. in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations. (\$7,500 (fee); 2018)


New Sewer Lift Station (Toulouse Avenue & Smith Drive), Metairie, Jefferson Parish, LA. Geotechnical investigation for a new sewer lift station (8 ft. dia. & 20 ft. bgs) at intersection of Toulouse Ave. and Smith Dr. in Metairie, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope 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. (\$8,500 (fee); 2020)

New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA. Geotechnical investigation for the construction of a new lift station near Melrose Lane and Walter Road in River Ridge, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, below ground foundation recommendations, allowable pile load capacities, estimates of settlement, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

Lift Station – Ginette Street at Bellemeade Boulevard, Gretna, Jefferson Parish, LA. Geotechnical investigation for construction of a lift station near Ginette Street at Bellemeade Boulevard in Gretna, LA. Gulf South's scope includes drilling one soil boring to a depth of 60 feet, laboratory testing, soil boring logging, and engineering consultation. Gulf South was contracted by Jefferson Parish to provide geotechnical engineering expertise to help settle disputes between the contractor and the design engineer. (\$5,000 (fee); 2016)

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: | |
| <div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. <small>Geotechnical & Materials Consultants</small> </div> </div> | |
| Years experience with this Firm: | |
| 10 years with this firm (2011); 15 years total (2006) | |
| 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: | |
| <div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Binder has direct experience with field and laboratory testing services; his 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. 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.</p> <p>Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope 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. (\$8,500 (fee); 2020)</p> <p>Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, 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, and concrete testing and inspection. (\$15,000 (fee); 2019)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> HAZMAT Awareness HAZMAT Operations Training ACI Aggregate Base Testing Technician </div> </div> | |

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA. Geotechnical investigation for a new sewer lift station at the intersection of Mississippi Ave. and Fulton St. in Metairie. Gulf South's scope includes drilling a single soil boring to a depth of 50 feet, lab testing, and geotechnical engineering analysis including allowable soil bearing values, allowable pile load capacities, estimate of settlement, and bedding/backfill recommendations. (\$5,000 (fee); 2015)

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope consisted of performing one soil boring to 50 feet, lab testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

Lift Station, Bayou Segnette State Park, Westwego, Jefferson Parish, LA. Geotechnical investigation for construction of a new sewer lift station consisting of a valve pit and wet well (approx. 7 and 15 feet below the ground surface, respectively) at Bayou Segnette State Park. Scope includes drilling a single soil boring to a depth of 50 feet, lab testing, and geotechnical engineering analysis, including net allowable soil bearing values, bedding and backfill recommendations (as appropriate), allowable pile load capacities, estimates of settlement, and general construction procedures & recommendations. (\$3,500 (fee); 2016)

Lift Station Replacement – Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA. Geotechnical investigation for a new lift station off Mississippi Ave. at 21st St. in Metairie, LA. Gulf South's scope includes drilling a single soil boring to a depth of 60 feet, lab testing, and geotechnical engineering analyses including allowable soil bearing values, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction recommendations. (\$7,500 (fee); 2016)

Lift Station – Ginette Street at Bellemeade Boulevard, Gretna, Jefferson Parish, LA. Geotechnical investigation for construction of a lift station near Ginette Street at Bellemeade Boulevard in Gretna, LA. Gulf South's scope includes drilling one soil boring to a depth of 60 feet, laboratory testing, soil boring logging, and engineering consultation. Gulf South was contracted by Jefferson Parish to provide geotechnical engineering expertise to help settle disputes between the contractor and the design engineer. (\$5,000 (fee); 2016)

Lift Station Replacement (N. Pierce Avenue & Versailles Street), Metairie, Jefferson Parish, LA. Geotechnical investigation for a new lift station replacement in Metairie, LA. Gulf South's scope includes drilling a single soil boring to a depth of 50 feet, lab testing, and engineering analysis, including below-grade foundations, deep foundations, estimates of settlement, bedding & backfill recommendations, and general construction procedures and recommendations. (\$4,500 (fee); 2016)

New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA. Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling St. in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Sara E. Lockwood, E.I.
Graduate Geotechnical Engineer

Project Assignment:

Graduate Geotechnical Engineer/Engineering Intern

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

2 years with this firm (2019); 4 years total (2017)

Education: Degree(s)/Year/Specialization:

B.S., 2019, Civil Engineering, University of New Orleans
B.S., 2016, Physics, Loyola University

Active registration: Year first registered/discipline:

2020, Engineering Intern, Louisiana, No. EI.0034718

Other experience and qualifications relevant to the proposed Project:

Ms. Lockwood is serving as a Graduate Engineer, providing such duties as project management, geotechnical engineering analyses, and field & laboratory testing & inspection. Her coursework included such disciplines as foundation engineering, soil mechanics, geotechnical engineering, structural concrete & structural steel design, and sustainability principals. She worked as an intern during her college career for a local consulting group, assisting on a variety of environmental studies for infrastructure projects, and preparing regulatory permit applications, as well as preparation of various components of Louisiana DEQ and NEPA documents.

- Society of Women Engineers
- American Society of Civil Engineers

Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope 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. (\$8,500 (fee); 2020)

Lake Cataouatche Pump Station, Avondale, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$12,500 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Ross L. White

Soil Boring Driller/Supervisor

Project Assignment:

Soil Boring Driller/Supervisor

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

3 years with this firm (2018); 12 years total (2009)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. White is a soil boring driller with over a decade of 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. White is very familiar with the soils of Louisiana and Southeast Texas.

- *ISTC basic, Entergy PowerSafe*
- *CDL A Class Driver's License (exp 11/2024)*

New Sewer Lift Station (Toulouse Avenue & Smith Drive), Metairie, Jefferson Parish, LA. Geotechnical investigation for a new sewer lift station (8 ft. diameter and 20 ft. bgs) at intersection of Toulouse Ave. and Smith Dr. in Metairie, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA. Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling St. in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ross L. White (continued)

New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA. Geotechnical investigation for the construction of a new lift station near Melrose Lane and Walter Road in River Ridge, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, below ground foundation recommendations, allowable pile load capacities, estimates of settlement, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA. Geotechnical investigation for construction of a new sewer lift station near the intersection of Elmwood Park Boulevard and Citrus Boulevard in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft), lab testing, and engineering analyses including net allowable soil bearing values (as appropriate), below grade foundation recommendations, allowable pile load capacities (timber), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2018)


Lift Station F-13-6 Replacement, Marrero, Jefferson Parish, LA. Geotechnical investigation for construction of a new lift station replacing an existing one off Ehret Road and Broas Street in Marrero, LA. Gulf South's scope includes drilling a single 80 ft. undisturbed soil boring, lab testing, and engineering analyses including below grade foundation recommendations, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction procedures and recommendations. (\$7,900 (fee); 2019)

New Lift Stations – Stennis Space Center, Hancock County, MS. Geotechnical investigation for new lift stations with wet wells inside the John C. Stennis Space Center in Hancock County, MS. Gulf South's scope includes drilling multiple undisturbed soil borings (two at 40 ft., two at 35 ft., four at 25 ft., and two at 20 ft.), lab testing, and engineering analyses including allowable soil bearing values, estimates of settlement, bedding and backfill recommendations, below grade foundation recommendations, and general construction procedures & recommendations. (\$19,000 (fee); 2018)

Lake Cataouatche Pump Station, Avondale, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$12,500 (fee); 2019)

Proposed Steel Sheetpile Bulkhead – Crest Pump Station, North Lafourche Conservation Levee & Drainage District, Bayou Folsé, Lafourche Parish, LA. Geotechnical investigation for construction of a new bulkhead near the Crest Pump Station along Bayou Folsé in Lafourche Parish, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft.), lab testing, and engineering analyses including bulkhead design parameters, tie back wall design parameters, and general construction procedures and recommendations. (\$5,500 (fee); 2019)

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: | |
|---|--|
| Name & Title: | |
| <p>Christopher Boutwell Construction Materials Testing (CMT) Supervisor</p> | |
| Project Assignment: | |
| Construction Materials Testing (CMT) Supervisor | |
| Name of Firm with which associated: | |
| <div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div> | |
| Years experience with this Firm: | |
| 9 years with this firm (2012); 12 years total (2009) | |
| Education: Degree(s)/Year/Specialization: | |
| <i>High School Diploma</i> | |
| Active registration: Year first registered/discipline: | |
| N/A | |
| Other experience and qualifications relevant to the proposed Project: | |
| <div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Boutwell serves as a CMT Supervisor in Gulf South's Kenner, LA office. As a CMT Supervisor, Mr. Boutwell is responsible for scheduling technicians, technical training, resolving technical and personnel issues, equipment maintenance, preparing proposals, reviewing reports, and client interaction. Mr. Boutwell's construction monitoring experience includes nuclear density testing, concrete testing and inspection, asphalt inspection, earthwork testing and inspection, driven pile inspection, vibration monitoring, augercast pile inspection, and drilled shaft inspection. Mr. Boutwell is proficient in the following laboratory tests: soil and concrete compressive strength, moisture content, grain size sieve, organic content, Proctor compaction, lime/soil and soil/cement % determinations, density tests, and Atterberg limits.</p> <p>Mr. Boutwell has logged soil borings, performed pile load tests, floor flatness testing, anchor bolt pull out tests, obtained and secured samples from soil borings and borrow pits, and completed hand augers. Mr. Boutwell routinely operates Gulf South's pavement coring machines.</p> <p>Patriot Street Lift Station, Metairie, Jefferson Parish, LA. Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> ACI Concrete Field Testing – Grade I APNGA Nuclear Moisture/Density Gauge Training OSHA Safety Training – 8 hr. </div> </div> | |

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Boutwell (continued)

Lift Station Replacement – Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA. Geotechnical investigation for a new lift station off Mississippi Ave. at 21st St. in Metairie, LA. Gulf South's scope includes drilling a single soil boring to a depth of 60 feet, lab testing, and geotechnical engineering analyses including allowable soil bearing values, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction recommendations. (\$7,500 (fee); 2016)

Relocation of Lift Station L-12-3, Marrero, Jefferson Parish, LA. Construction inspection and materials testing for new lift station and sewer pipe installed at Patriot Ave. and Avenue G in Marrero, LA. Services consist of in-place fill density testing and vibration monitoring. (\$15,000 (fee); 2012)

Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, LA. Project consisted of the construction of a new sewer lift station and below grade piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$10,000 (fee); 2016)

New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA. Project consisted of the construction of several thousand linear feet of sewer force main for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$10,000 (fee); 2016)

Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, 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, and concrete testing and inspection. (\$15,000 (fee); ongoing)

Firehouse Road Sewer Force Main Replacement, Kenner, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction for a new sewer force main for Jefferson Parish in Kenner, LA. Gulf South's scope of work included field density tests, earthwork inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)

Chateau Transfer Station Force Main - Phase I (Duncan Canal to Chateau Transfer Station), City of Kenner, LA. Geotechnical investigation for a new sewer force main. Gulf South performed geotechnical investigation for the 3 phase project. Scope of work included drilling 6 soil borings to a depth of 50 feet, laboratory testing, and geotechnical engineering services consisting of providing allowable pile load capacities and subsoil profiles for directional drilling purposes. (\$14,900 (fee); 2014)

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>Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, Louisiana</p> <p>Richard C. Lambert Consultants, LLC 900 West Causeway Approach Mandeville LA 70471</p> <p>Franz J. Zemmer, 985-727-4449 fzemmer@rclconsultants.com</p> | <p>Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope 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.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2020 03 (MAR) | N/A | \$8,500 (fee) |

PROJECT NO. 2

| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
|--|---|--------------------------------------|
| <p>Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, Jefferson Parish, Louisiana</p> <p>Shread-Kuyrkendall & Associates, Inc. 104 Campus Drive East, Suite 102 Destrehan LA 70047</p> <p>Steve P. Breeding, P.E., 985-764-4060 sbreeding@skaengr.com</p> | <p>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, and concrete testing and inspection.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2019 11 (NOV) | N/A | \$15,000 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 3 | | |
|--|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| Lift Station F-13-6 Replacement, Marrero, Jefferson Parish, Louisiana H. Davis Cole & Associates, LLC 1340 Poydras St Ste 1850 New Orleans LA 70112-5278 David M. Martin, P.E., 504-836-2020 dmartin@hdaviscole.com | Geotechnical investigation for construction of a new lift station replacing an existing one off Ehret Road and Broas Street in Marrero, LA. Gulf South's scope includes drilling a single 80 ft. undisturbed soil boring, lab testing, and engineering analyses including below grade foundation recommendations, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction procedures and recommendations. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2019 02 (FEB) | N/A | \$7,900 (fee) |

| PROJECT NO. 4 | | |
|--|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, Louisiana Pivotal Engineering, LLC 1515 Poydras Street Suite 1875 New Orleans LA 70112 Yoseph Shifare, E.I., 504-799-3653 yshifare@pivotaleng.com | Geotechnical investigation for construction of a new sewer lift station near the intersection of Elmwood Park Boulevard and Citrus Boulevard in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft), lab testing, and engineering analyses including net allowable soil bearing values (as appropriate), below grade foundation recommendations, allowable pile load capacities (timber), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2018 09 (SEP) | N/A | \$7,500 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 5 | | |
|--|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, Louisiana</p> <p>Professional Engineering & Environmental Consultants (PEEC), Inc. 1065 Muller Parkway Suite B Westwego LA 70094</p> <p>Jeff Meyers, 504-347-1900 jeff@peecinc.com</p> | <p>Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling St. in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2018 07 (JUL) | N/A | \$7,500 (fee) |

| PROJECT NO. 6 | | |
|---|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>New Lift Station (Toulouse Avenue & Smith Drive), Metairie, Jefferson Parish, Louisiana</p> <p>Pivotal Engineering, LLC 1515 Poydras Street Suite 1875 New Orleans LA 70112</p> <p>Yoseph Shifare, E.I., 504-799-3653 yshifare@pivotaleng.com</p> | <p>Geotechnical investigation for a new sewer lift station (8 ft. diameter and 20 ft. bgs) at intersection of Toulouse Ave. and Smith Dr. in Metairie, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2018 | N/A | \$7,500 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 7 | | |
|---|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, Louisiana Bryant Hammett & Associates, LLC 1201 S. Pupera Avenue Unit 301 Gonzales LA 70737 Bruce K. Dyson, P.E., PLS, 225-450-1721 bdyson@bha-engineers.com | Geotechnical investigation for the construction of a new lift station near Melrose Lane and Walter Road in River Ridge, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, below ground foundation recommendations, allowable pile load capacities, estimates of settlement, and general construction procedures and recommendations. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2018 | N/A | \$7,500 (fee) |

| PROJECT NO. 8 | | |
|---|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| Patriot Street Lift Station, Metairie, Jefferson Parish, Louisiana Evans-Graves Engineers 1 Galleria Blvd Ste 1520 Metairie LA 70001 Stephen Lundgren, 504-836-8190 slundgren@evans-graves.com | Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 | N/A | \$30,000 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 9 | | |
|--|--|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, Louisiana Arcadis U.S. Inc. 3850 N. Causeway Blvd Ste 990 Metairie LA 70002 Joseph Sensebe, P.E., 504-648-3601 joseph.sensebe@arcadis-us.com | Project consisted of the construction of a new sewer lift station and below grade piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 | N/A | \$10,000 (fee) |

| PROJECT NO. 10 | | |
|---|--|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, Louisiana Shread-Kuyrkendall & Associates, Inc. 104 Campus Dr East Ste 102 Destrehan LA 70047 Steven P. Breeding, P.E., 985-764-4060 sbreeding@skaengr.com | Project consisted of the construction of several thousand linear feet of sewer force main for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 | N/A | \$10,000 (fee) |

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.



INTRODUCTION

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 small business in Louisiana. Our Kenner 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., is a founder of the company and Professional Engineer registered in Civil Engineering in Louisiana and Mississippi with specific training and experience in geotechnical engineering. He has more than 25 years 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*
- *Settlement analyses*
- *Shoreline protection*
- *Scour analyses*
- *LRFD Design*
- *Mechanically Stabilized Earth (MSE) Walls*
- *Earthwork*
- *Development of load test programs*
- *Geotechnical instrumentation and construction monitoring*
- *Canals and pump station foundations*
- *Pipe bedding and backfill*
- *Roadways and 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:

TEC Professional Services Questionnaire

N. continued.

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

PROFESSIONAL TRAINING & EXPERIENCE

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 and 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.

SIZE OF FIRM & CAPACITY FOR TIMELY COMPLETION

At 28 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.

PAST PERFORMANCE ON JEFFERSON PARISH PROJECTS

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:

TEC Professional Services Questionnaire

N. continued.

- *Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA*
- *Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA*
- *New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), 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*
- *New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA*
- *New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA*
- *New Sewer Lift Station (Mississippi Ave. and Fulton St.), Metairie, Jefferson Parish, LA*
- *Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA*
- *Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA*
- *Kawane at Olympic Lift Station, Metairie, Jefferson Parish, LA*
- *Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA*
- *David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA*
- *Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA*
- *Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA*
- *Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Taft Park Drainage Improvements, Jefferson Parish, LA*
- *Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA*
- *Westwego Pump Station #1, Jefferson Parish, LA*
- *Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Westgate Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Trudeau Drive Drainage Improvements at West Metairie Canal, 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*
- *St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA*
- *Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA*
- *Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA*
- *Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA*
- *West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA*
- *Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA*
- *Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA*
- *Public Works West Bank Central Warehouse, Bridge City, 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*
- *New Charter School, Behrman Highway, Terrytown, Jefferson Parish, LA*
- *Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA*
- *Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA*
- *Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA*
- *Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, 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.

LOCATION OF THE PRINCIPAL OFFICE

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

TEC Professional Services Questionnaire

N. continued.

LITIGATION

As noted in *Item M*, Gulf South has not been involved in litigation with Jefferson Parish, nor with any of the firm's clients.

REFERENCES

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

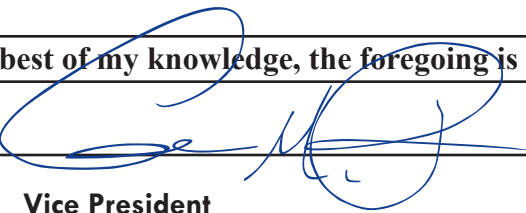
- **Mark R. Drewes, P.E.**, Director, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Neil Schneider, CCM, P.E.**, Director, Capital Projects, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Tom Schreiner**, Deputy CAO, Public Works & Capital Projects, City of Kenner (504-468-7515 | tschreiner@kenner.la.us)
- **Angela DeSoto, P.E.**, Director of Engineering, Jefferson Parish (504-736-6511 | ADeSoto@jeffparish.net)
- **Sid Trouard, P.E.**, Program Manager, Sewerage Capital Improvement Program, Jefferson Parish (504-736-6386 | STrouard@jeffparish.net)
- **Tacie Rabalais, P.E.**, Parish Engineer, Ascension Parish Government Engineering Department (225-621-5700 | trabalais@apgov.us)
- **Joey Tureau**, Infrastructure Division Director, Ascension Parish (225-450-1013 | jtureau@apgov.us)

INSURANCE

Gulf South is fully insured to provide the services we offer; additional information is available upon request.

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:

May 10, 2021