Statement of Qualifications

RESOLUTION NO. 139102

REHABILITATION TO THE NEYREY & VETERANS (F7-13) AND MARKET & SAUVE (D4-7) LIFT STATIONS

Presented to: Jefferson Parish Government

June 30, 2022

GEC

Celebrating Over 36 Years of Experience

3445 N. Causeway Blvd., Suite 707, Metairie, LA 70002 • (504) 838-6009

June 30, 2022

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

RE: REQUEST FOR QUALIFICATIONS, REHABILITATION TO THE NEYREY & VETERANS (F7-13) AND MARKET & SAUVE (D4-7) LIFT STATIONS (RESOLUTION NO. 139102)

Dear Consultant Selection Committee,

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

COMPANY HISTORY

Established in 1986, GEC has more than 100 employees and a long history of experience with similar projects. GEC offers comprehensive, 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 for 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 professional services. We appreciate the opportunity to present our qualifications to Jefferson Parish for this as-needed contract.

Sincerely,

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

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:

Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations
(Resolution No. 139102)

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

G.E.C., Inc. (GEC)
3445 N. Causeway Blvd., Suite 707
Metairie, Louisiana 70002

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

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

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

Michael Hattaway, PE, Civil Engineer
P. (504) 838-6009 E. mhattaway@gecinc.com
Louisiana Licensed Professional Civil Engineer No. 18672 (1980)

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

10	Administrative	**	Estimators	***	Specification Writers
0	Architects (Licensed)	0	Geologists	8	Structural Engineers
0	Chemical Engineers	0	Geotechnical Engineers	1	Graduate Engineers
19*	Civil Engineers	0	Interior Designers	2	Project Managers
15	Construction Inspectors	0	Landscape Architects	0	Clerical
5	Ecologists	0	Land Surveyor	0	Grant/Funding Specialist
3	Electrical Engineers	1	Mechanical Engineers	****	Sanitary Engineers
10	Engineer Intern	3	Environmental Engineers	37	**Other**
0	Professional Land Surveyors	1	Urban Planner	**115**	**TOTAL**

*Coastal, Transportation and Hydrologist included in Civil Engineers
**Senior Technical Personnel prepare Cost Estimates
***Senior Technical Personnel prepare Specifications
****Sanitary Engineers included in Environmental Engineers

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

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

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

1.
N/A

2.

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

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

NAME & ADDRESS	SPECIALTY	WORKED WITH FIRM BEFORE (YES OR NO):
BFM CORPORATION LLC A PROFESSIONAL LAND SURVEYING COMPANY **BFM Corporation, LLC** 15 Veterans Memorial Blvd. Kenner, LA 70062	Survey	Yes
GULF SOUTH ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants **Gulf South Engineering & Testing, Inc.** 15 Veterans Memorial Blvd. Kenner, LA 70062	Geotech	Yes

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

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

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

PROFESSIONAL IN CHARGE OF PROJECT:

NAME & TITLE:

MICHAEL HATTAWAY, PE, Senior Civil/Environmental Engineer

PROJECT ASSIGNMENT:

Professional-in-Charge

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

33 *(43 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1975 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1980 / Licensed Professional Civil and Environmental Engineer No. 18672

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Hattaway, a senior civil and environmental design engineer, has managed various programs and projects, including sewer projects for Jefferson Parish and local municipalities throughout Louisiana. He has 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 and wastewater programs. Design experience includes plans and specifications for sewer, water, drainage, and street infrastructure design, sewer lines, sewer force mains, gravity sewer repairs, and lift stations. He has served as consulting engineer for multiple public utility districts in Louisiana and Mississippi. He has also managed several CDBG water improvement projects.

RELEVANT PROJECT EXPERIENCE

CLEARY AND W. NAPOLEON LIFT STATION: Jefferson, LA. Project Manager - Mr. Hattaway managed the complete design of plans & specifications and supplemental services for the rehabilitation of the Cleary and West Napoleon Lift Station. This included evaluating the feasibility of reducing overflows from station F6-11 (Houma & West Napoleon) by reducing flow into the station. Design included redirecting the effluent from F6-13 (Cleary & West Napoleon) to the 48" Regional Force Main, 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. (2017)

COVINGTON POINT SEWER LIFT STATION IMPROVEMENT PROJECT: Covington, LA. Project Manager - Project manager for this lift station improvement project to replace the above-ground self-priming pumps and motors with new submersible wastewater pumps, wet-well rehabilitation, mechanical and electrical work, and other related work. This project also includes the design and installation of a new Emergency Pump Out Connection. (2014-2015)

BIG HILL ACRES WATER AND SEWER PROJECT: Jackson County, MS. Project Manager – Design and construction administration of water and sewerage collection systems

NAME & TITLE:

MICHAEL HATTAWAY, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

including the installation 159,200 L.F. of PVC sewer force mains ranging in size from 2-inch to 8-inch, five (5) 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 will also be constructed 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. (2010-2016)

LAKESHORE ESTATES: Slidell, LA. Project Manager- Managed the water, sewer, drainage and street infrastructure design of a 3,000 acre development. The water system design he supervised included design and construction administration of a new water wells, new 8" and 12" water mains, and fire hydrants. Mr. Hattaway provided design, environmental permitting, hydraulic modeling and construction phase services. (1996-2011)

FLEUR DE LIS DRIVE RECONSTRUCTION: New Orleans, LA. Design Lead: Water and Sewer – Services included design of the complete reconstruction of an 8,200 linear feet (1.5 miles) divided, urban arterial access roadway. Included in the design was 10,000 linear feet of 8" and 12" water and sewer lines and 2,000 linear feet of 18" sewer force mains, 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 (2006-2018)

ST. BERNARD PARISH GRAVITY SEWER REPAIRS, PHASE II: St. Bernard Parish, LA. Project Manager - Project Manager for the SSES and gravity sewer repair 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, pipebursting, and related work. The $30M project was funded by FEMA, as a result of Hurricane Katrina. (2011-2019)

CITY OF MANDEVILLE SEWERAGE IMPROVEMENT PROGRAM PROJECT: Mandeville, LA. Project Manager - In charge of the design and construction administration of a new 3.0 MGD treatment facility, new sewer force mains (9 miles of 6" through 24" diameter), gravity sewers and I/I abatement project. The Mandeville sewer plant was one of the first of this size to use a non-mechanical artificial marsh technology and UV disinfection. Mr. Hattaway also oversaw the design of 12 lift stations and one 10,000 GPM capacity central pumping station. (1988-1993)

SCADA SYSTEM DESIGN SERVICE: Waveland, MS. Project Engineer – The project consisted of a SCADA system to provide the means for Hancock County Utility Authority (HANCUA) to monitor and control 13 water and wastewater facilities. Funded by the Gulf Region Disaster Recovery Community Development Block Grant program. Data from each facility will be communicated to a central SCADA server to be located at the Waveland Wastewater Treatment Plant. (2012)

CDBG INFRASTRUCTURE REPAIR, AREA 10: 6th Street South: Biloxi, MS. Senior Engineer – Project involved 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. The project also included a new 15 MGD sewer lift station. (2010-Present)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

SHERRI LEBAS, PE, Executive Vice President

PROJECT ASSIGNMENT:

Principal-in-Charge

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

6 *(36 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1985 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1990 / Louisiana Licensed Professional Civil Engineer No. 23844

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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

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

RELEVANT PROJECT EXPERIENCE

I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, Louisiana. Quality Design Manager- Ms. LeBas is providing quality design review for the GEC/ Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build Project. (08/20-Present)

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

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:

37 *(37 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1983 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1983 / Louisiana Licensed Professional Civil Engineer No. 23414

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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

RELEVANT PROJECT EXPERIENCE

BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. Principal-in-Charge - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Bourgeois oversaw an investigation of the existing bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This investigation started with an NBIS bridge inspection to determine Condition Ratings for the bridge superstructure, substructure, and piles. A Bridge Load Rating was then carried out based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. Based on the load rating, GEC recommended that the existing bridge be replaced. He also oversaw the preliminary design for the replacement bridge as well as the design study for a six-lane, curb and gutter roadway with pedestrian facilities and subsurface drainage. (09/20-Present) (City-Parish Project No. 19-CP-HC-0034)

LA SAFE-AIRLINE AND MAIN COMPLETE STREETS: Laplace, LA. Principal-in-Charge - This project consists of a 10' shared use path, 5' sidewalk along the north side of US 90, bike lanes on shoulders, and softening of the median. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Along Main St., the design will provide parallel parking utilizing decorative brick and permeable base to reduce time of concentration. GEC oversaw the calculation of preliminary quantities and development of a preliminary estimated construction cost. GEC proposed the conceptual design to the Parish and received approval.

NAME & TITLE:

CARY BOURGEOIS, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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

H.003074, I-10 WIDENING, WILLIAMS TO VETERANS : Jefferson Parish, LA. Principal in Charge - Mr. Bourgeois oversaw the superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.28 mile urban interstate. The extensive load rating and documentation, allowed LADOTD to make an informed decision on whether to widen or replace the existing bridges. The data supported the replacement of the bridges. GEC designed concrete slab spans, pre-stressed concrete girder spans and steel girder spans. All pre-stressed girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specs. (06/17-2021)

450-15-0089 / ROUTE I-10, CAUSEWAY BLVD TO 17TH STREET CANAL: Metairie, LA. Project Manager/Engineer-of-Record/Structural Engineer - Mr. Bourgeois performed Quality Assurance and project management on this project. He specifically acted as QA for all disciplines involved including surveying, structures/bridge design, electrical & controls design and civil engineering design. Project consisted of widening while under traffic of 1.64 miles of urban interstate highway from six to 10 lanes with roadway and bridges. He performed PPC girder layout and design and performed the design check of a two-span (425' total length) continuous steel girder with integral steel intermediate bent. (03/95-06/10)

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

CHEVELLE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: Baton Rouge, LA. Principal-in-Charge-GEC performed a Design Study, including hydraulics, environmental, and geotechnical considerations, overseeing topographic survey and Right-of-Way (ROW) Mapping as required; developing preliminary and final construction plans and cost estimates. GEC will oversee construction phase services and preparation of an as-designed load rating for the bridge according to LADOTD criteria. The project includes the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek and the existing Sarasota Drive Bridge over Engineers Depot Canal, both located in Baton Rouge, LA. (04/2019-Present)

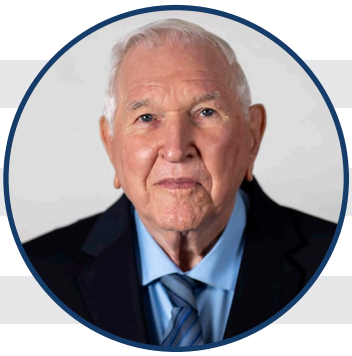
USACE, LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY, HURRICANE PROTECTION PROJECT LPV 17.2, BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE: Metairie, LA. Overall Project Manager - This project was located in Jefferson Parish, Louisiana and was part of the Lake Pontchartrain and Vicinity, New Orleans, Louisiana, Hurricane Protection Project. This reach consisted of levees, floodwalls, crib walls, Causeway Boulevard and other miscellaneous access points. The designs were intended to bring the hurricane protection to the Phase II 100-year level. The professional services required of GEC included detailed engineering and design (E&D), preparation of a Design Report (DR), preparation of plans and specifications (P&S), and E&D support during advertisement. (07/09-06/12)

GREATER NEW ORLEANS EXPRESSWAY COMMISSION (GNOEC), LAKE PONTCHARTRAIN CAUSEWAY, CONSULTING ENGINEER: Metairie, LA. Overall Project Manager - GEC has served as Consulting Engineer for GNOEC since 1991 performing Trust Indenture Services in accordance with the GNOEC General Bond Resolution. Mr. Bourgeois has been associated with the project since the selection of GEC as Consulting Engineer and has served as Project Manager for over 15 years. In this time GEC has designed and implemented over $125,000,000 in improvements to the GNOEC system. (1991-Present)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

JEROME KLIER, PE, Civil Engineer



PROJECT ASSIGNMENT:

Civil Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

13 *(54 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1963 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1968 / Louisiana Licensed Professional Civil Engineer No. 11591

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Klier is a Senior Project Manager with more than 50 years' experience in engineering. He retired in 2004 from the East Baton Rouge City-Parish Department of Public Works (DPW) after 28 years of service. For 20 of those years he served in the Engineering Division where he held the following positions: Project Engineer; Assistant Chief Construction Engineer; Design Engineer; Assistant Chief Engineer; and Chief Engineer. The remaining eight years with DPW included serving as Acting Director of Public Works and Deputy Director of Public Works. Mr. Klier is very knowledgeable about the public bid law requirements, particularly Title 38 of the State of Louisiana Revised Statutes and the State of Louisiana Department of Heath requirements fo rthe design and construction of wastewater pump stations.

Mr. Klier has managed numerous public works projects involving multi-discipline A/E teams and federal and state agencies. He is a Life Member of the American Society of Civil Engineers (ASCE) and the American Public Works Association (APWA), and has received numerous awards and honors from these professional organizations. Mr. Klier was honored to receive the ASCE Louisiana Section highest award the "Wall of Fame" in 2013. He also represents the ASCE on the official Nominating Committee for the Southeast Louisiana Flood Protection Authority (SLFPA) East and West Boards, and is the Chairman of the City of Walker, Louisiana Planning and Zoning Commission. He is also a member of the Capital Region Area Floodplain Task-Force (CRAFT) a multi-jurisdictional outreach public awareness program to reduce flooding adverse impacts.

Mr. Klier has worked on numerous wastewater lift stations or pump station rehabilitation/replacement projects, ranging from small (100 GPM) subdivision lift stations to large (120 MGD) pumping stations. He is very knowledgeable of both the Ten State Standards and the Hydraulic Institute Standards or requirements for the design of wastewater lift or pump stations.

RELEVANT PROJECT EXPERIENCE

SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, PUMP STATION 58A, SGC-C-PS58A (STARING LANE – OVERFLOW PS): Baton Rouge, LA. Lead Project Civil Engineer – Mr. Klier was the Lead Project Civil Engineer for the new 120 MGD wastewater submersible pumping station on Essen Lane near Ward's Creek. He 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

NAME & TITLE:

JEROME KLIER, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

and electrical team members and other members of the design team. (2009-2014) (City-Parish 09-PS-US-001)

SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, BOOSTER PUMP STATION 514 REPLACEMENT (SFL-C-0002 PERKINS/ OLD PERKINS SERVICE AREA): Baton Rouge, LA. Lead Civil Engineer – Mr. Klier was the Lead Civil Engineer for the new 77 MGD 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. (2009-2015) (City-Parish 09-PS-MS-0034)

SANITARY SEWER SYSTEM UPGRADES, NORTH STN FORCE MAIN SANITARY SYSTEM, HIGHWAY 61 - PLANK ROAD MULTIPLE PUMP STATION REPLACEMENT: Baton Rouge, LA. Project Manager - Project involved evaluation of 8 wastewater pump stations ranging in size from 350 GPM to 9,000 GPM for replacement. Mr. Klier was responsible for managing project design & 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. (2011-2018) (City-Parish 11-PS-MS-0035)

SEWER SYSTEM REHABILITATION PROJECT: Covington, Louisiana. Project Engineer - GEC serves as the Consulting Engineer for the St. Tammany Parish Sewerage District No. 1 (District). The District services approximately 50 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. (2020)

WORK DONE PRIOR TO JOINING GEC

CITY/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/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.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

JEROME LOHMANN, PE, Roadway Engineer

PROJECT ASSIGNMENT:

Civil Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

6 *(38 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1981 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1992 / Louisiana Licensed Professional Civil Engineer No. 24673

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Lohmann has over 38 years of diversified engineering, surveying, and construction experience to his credit. He began his career working for an engineering/construction company in 1969. Since that time, he has gained progressive experience, an Associate degree in Applied Science (Surveying), and B.S. in Civil Engineering. His career has included extensive experience in the area of surveying (right-of-way, boundary, topographic, hydrographic, construction, route/location, etc.), sanitary sewer design, water supply systems, highway and transportation systems, drainage design, etc. Mr. Lohmann has served as Project Manager/Design Engineer on various LADOTD Projects. He has been responsible for the design and management of projects ranging in magnitude from Off- System Bridge Replacement Projects to a major interchange on I-49.

RELEVANT PROJECT EXPERIENCE

METAIRIE ROAD DRAINAGE EVALUATION (CAUSEWAY BLVD. TO FOCIS ST.): Jefferson Parish, LA. Project Manager - Mr. Lohmann managed this project, which included an examination of the existing drainage system and recommending improvements to reduce flooding. He oversaw development of preliminary drainage assessments, SWMM modeling, selecting alternatives, modeling and assessing selected alternatives, and preparing a final report. (01/19-09/19)

WEST TAMMANY HILLS DRAINAGE: Covington, LA. Project Manager - Mr. Lohmann is overseeing development of a drainage report, along with plans for the installation of subsurface drainage for the residential area north of the Crestwood Subdivision in Covington. Mr. Lohmann's road design services include pavement structural design for rehabilitated and/ or reconstructed sections and preliminary and final roadway design and plan development. He will also work with the Parish to finalize plans and specifications into the Parish frontend documents and format for bidding, address request for information (RFIs) during the bidding process, attend and document pre-bid meeting, review and tabulate bids, and make recommendation on acceptance of bids as required. (09/19-Present)

SHARP ROAD: Mandeville, LA. Project Manager - Mr. Lohmann is managing the preparation of preliminary and final construction plans for roadway improvements, subsurface drainage installation, and sidewalk construction. (12/21-Present)

LA SAFE-AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA. Project Manager - Mr. Lohmann is managing the development of typical sections and preliminary layout for the project, which consists of a 10' shared

NAME & TITLE:

JEROME LOHMANN, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

use path, 5' sidewalk along the north side of US 90, bike lanes on shoulders, and softening of the median. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Along Main St., the design will provide parallel parking utilizing decorative brick and permeable base to reduce time of concentration. Mr. Lohmann oversaw the calculation of preliminary quantities and development of a preliminary estimated construction cost. He proposed the conceptual design to the Parish and received approval. He also oversaw development of the fee for all costs from surveying to construction. (09/2019-present)

CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA. Project Manager - Mr. Lohmann was Project Manager performing a Design Study including hydraulics, environmental, and geotechnical considerations, overseeing topographic survey and right-of-way (ROW) mapping as required; and developing preliminary and final construction plans and cost estimates. The project included the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek and the existing Sarasota Drive bridge over Engineers Depot Canal. (04/19-12/21) (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)

I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA. Project Manager - Mr. Lohmann managed the GEC design staff for the replacement of two-slab span bridges and approximately 1.1 miles of milling and overlay. He oversaw design of the vertical alignment, proposed length of the bridges, placement of the new bridges, and guardrail design. Mr. Lohmann also oversaw the design of the new roadway approaches to the new bridge, calculation of quantities, and construction cost estimating for the project. (11/18-02/21)

CAMP COUSHATTA ROAD IMPROVEMENTS: Allen Parish, LA. Project Manager - Mr. Lohmann managed the design of a new road for the Coushatta Tribe of Louisiana, including the new alignment and drainage structures/ systems. The road consisted of two eleven foot lanes, with 3 foot outside aggregate shoulders, and ditches on both sides. A subsurface drainage system was designed that tied into an existing subsurface system. Two reinforced concrete box culverts were designed to facilitate the flow of local canals through the new roadway, and one of the canals was realigned. (09/17-12/18)

BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. Project Manager - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Lohmann is Project Manager, overseeing design of a six-lane, curb and gutter roadway with subsurface drainage, bridge replacement, green infrastructure and pedestrian facilities. GEC's design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Mr. Lohmann supervised a study of the existing bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This study started with an NBIS bridge inspection to determine Condition Ratings for the bridge superstructure, substructure, and piles. A Bridge Load Rating was then carried out based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. Based on the load rating, GEC recommended that the existing bridge be replaced. (09/20-Present) (City-Parish Project No. 19-CPHC-0034)

US 11 IMPROVEMENTS AT SCHNEIDER CANAL: St. Tammany Parish, LA. Project Manager: Mr. Lohmann designed approximately 2,700' of divided two lane and multi lane roadway to raise the roadway over the levee on Schneider Canal. (2016)

OLD HAMMOND HIGHWAY (US 61 TO BLVD. DE PROVINCE), ROUTE LA 426: Baton Rouge, LA. Project Engineer - Mr. Lohmann was responsible for roadway design consisting of four travel lanes and one continuous turn lane with curb and gutter and subsurface drainage.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

MICHAEL CHIASSON, PE, Senior Electrical Engineer

PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

12 *(45 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1973 / Electrical Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1979 / Louisiana Licensed Professional Electrical Engineer No. 17978

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Chiasson has over 36 years of experience in the design and development of process control and related systems. At GEC Mr. Chiasson has completed designs for several waste water lift stations and drainage pumping stations. At Dow Chemical, he was responsible for the preparation of plans and specifications (design and development) of process control engineering projects, from plans and specifications to final construction inspection. Other duties include reverse engineering the manufactured systems to understand how to modify the instruments for computer control and data collection. Calculations, field inspections, data collection, and report preparation were also parts of these projects. Mr. Chiasson is experienced with modeling, digital data filtering and simulation of control systems using tools in Excel and other 1st and 2nd order modeling techniques. He is also well versed in Fortran, Visual Basic, Microsoft Word, and Microsoft Excel.

RELEVANT PROJECT EXPERIENCE

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

SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, PUMP STATION 58A: Baton Rouge, LA. Electrical Engineer of Record - This project included preparation of electrical, instrumentation, and controls plans and specifications for installation of six 4,170 GPM pumps in the dry weather pump station and six 12,500 GPM pumps in the wet weather pump station. Pumps will be additively started and speed ramped up to maintain the lift station water level. Pumps will rotate through a use profile to keep any one pump from constantly being overused. Pump speed for each submersible pump is controlled by variable frequency drives as dictated by the station PLC control system. The station PLC control system will select single or parallel generator operation based on the pumping demand to optimize generator loading. Testing criteria to validate construction meets specification requirements was included in this project. (2010-2014) (City-Parish 09-PS-US-001)

NAME & TITLE:

MICHAEL CHIASSON, PE, *Continued Resume*

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

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

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

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

OAK HARBOR EAST UTILITY – LAKESHORE ESTATES 300K WWTP EXPANSION: Slidell, LA. Controls Engineer - Mr. Chiasson assisted in design of the power distribution system for a 300,000 gallon per day WWTP system including generator standby power system, area lighting, and construction support. (2018-2019)

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

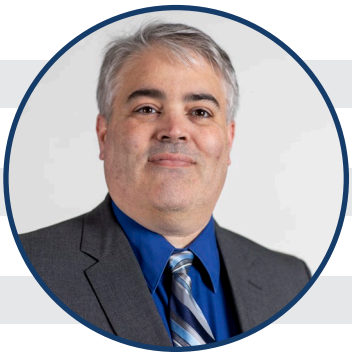
DRAINAGE PUMP STATION UPGRADES: Jefferson Parish, LA. Electrical Engineer - The Cousins 1, 2, & 3, Harvey, Whitney, Bayou Segnette, and Elmwood Pumping Stations projects involved automating both diesel and electric powered pumps to remove drainage water to prevent neighborhood flooding. The automation included sufficient remote controls so that pumps could be operated from either inside the pump station or from a "safe house" location. The requirement meant adding additional instrumentation to diesel and electric pumps so that the pumps could be started, stopped or RPM variance as needed. Project included adding instrumentation to monitor both the inlet and outlet water levels near pumping stations. The project also included adding generator capacity to assure pumping stations could run regardless of Utility power. (2009 - 2012)

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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

MICKEY PRATTINI JR., PE, Electrical Section Manager



PROJECT ASSIGNMENT:

Electrical Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

7 *(18 total)*

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 more than 17 years of electrical design experience includes wastewater treatment facilities and lift stations, multiple pump motor installations in hazardous (classified) locations, generator installation projects, lighting, and multiple government (municipal and transportation) projects. Mr. Prattini is experienced with NFPA standards required by electrical projects and is capable of completing the design and project management related tasks required for this project. He has consistently managed client and stakeholder relations along with design challenges to produce quality deliverables in line with the project's delivery schedule. Mr. Prattini has been a Society of Fire Protection Engineers (SFPE) member since 2017.

RELEVANT PROJECT EXPERIENCE

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

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

OAK HARBOR EAST UTILITY, LAKESHORE ESTATES 300K WWTP EXPANSION: 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)

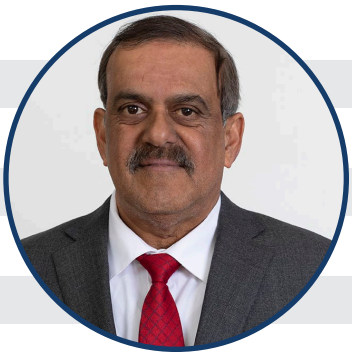
STANDBY GENERATORS AT PARISH PUMP STATION (BIG BELLE TERRE, CAPT. BOURGEOIS, AND NED DUHE): St John the Baptist Parish, LA. Project Manager & Electrical Engineer of Record - HMGP-funded project to install generators at three sewer lift station locations. Mr. Prattini is performing the project management 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 EOR- Mr. Prattini designed the power distribution system for a 450,000 gallon per day WWTP system. (2019-Present)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

KEITH REBELLO, PHD, PE, Senior Civil/Structural Engineer



PROJECT ASSIGNMENT:

Structural Engineer

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

23 *(29 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1983 / Civil Engineering; M.S. / 1986 / Civil Engineering; Ph.D. / 1990 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1983 / Louisiana Licensed Professional Civil Engineer No. 20903

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Dr. Rebello has 30 years of structural engineering experience following his research work on non-linear deformation behavior of pre-stressed concrete bridges. He has designed and managed a variety of structural projects involving drainage, water, and wastewater treatment facilities, hurricane protection systems complex interstate and highway bridges (new, replacement, rehabilitation and widening), retaining walls, noise walls, buildings, & hydraulic structures. He has experience in rating of bridges in accordance with LADOTD and AASHTO MBE requirements and performed ratings using AASHTOWare Bridge Rating (Virtis) software and finite element analysis.

RELEVANT PROJECT EXPERIENCE

SANITARY SEWER SYSTEM UPGRADES, PUMP STATION 58A: Baton Rouge, LA. Lead Structural Engineer- Dr. Rebello performed complete structural design and plan 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. Plan area of the station was approximately 126' by 80'. He completed analysis and design using the Finite Element Method. He designed electrical control building foundation, odor control foundation, and misc. concrete junction boxes. (02/11-04/13) (City-Parish 09-PS-US-001)

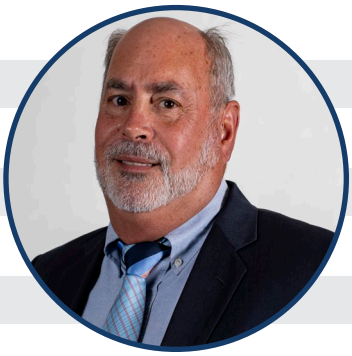
BOOSTER PUMP STATION 514 REPLACEMENT: Baton Rouge, LA. Structural Engineer - Dr. Rebello served as Structural Engineer for upgrade of booster pump station 514 to handle new flow and head requirements. The existing PS had a capacity that was less than the predicted future peak wet than the predicted future peak wet weather flow and 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 09-PS-MS-0034)

BIG HILL ACRES WATER AND SEWER PROJECT: Jackson County, MS. Structural Engineer - Dr. Rebello provided structural 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)

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

NAME & TITLE:

BRIAN BUCKEL, PE, Senior Vice President, Construction



PROJECT ASSIGNMENT:

Construction Administration

NAME OF FIRM WITH WHICH ASSOCIATED:

G.E.C., INC.

YEARS' EXPERIENCE WITH THIS FIRM:

9 *(44 total)*

EDUCATION: DEGREE(S)/YEAR/SPECIALIZATION:

B.S. / 1981 / Civil Engineering

ACTIVE REGISTRATION: YEAR FIRST REGISTERED/DISCIPLINE:

1985 / Louisiana Licensed Professional Civil Engineer No. 21816

OTHER EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED PROJECT:

Mr. Buckel joined GEC after 31 years of service with LADOTD where he served as chief construction engineer from 2006 to 2012, managing the Construction Section as well as policy setting of construction projects. Additionally, he served as district construction engineer for seven years, managing the seven parishes under District 02. Mr. Buckel served as an area engineer throughout the state of Louisiana for a seven years and was a project engineer in the New Orleans area for several years. As Chief Construction Engineer, he directed policy implementation, testing, and inspection of all asphalt pavement construction state wide. Building on his asphalt mix and laydown experience as project engineer and District Construction Engineer, he led the state into significant asphalt pavement innovations such as Superpave and warm mix. He also overseees construction inspection for all City of Baton Rouge street improvements projects for GEC's contract.

RELEVANT PROJECT EXPERIENCE

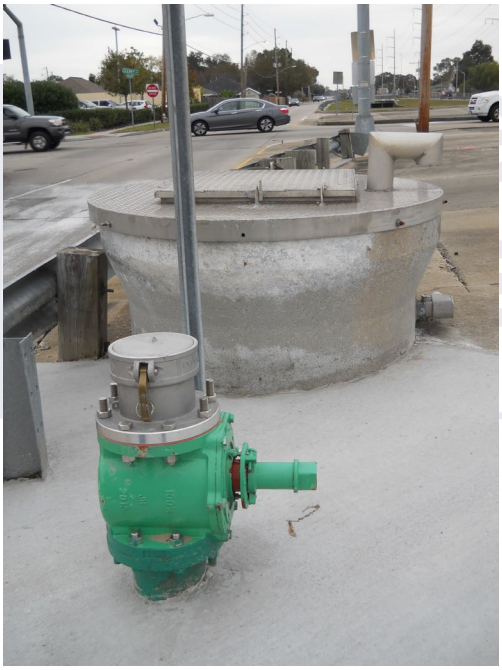
COVINGTON COUNTRY CLUB SEWER REHAB: Covington, LA. Construction Manager - GEC serves as the Consulting Engineer for the St. Tammany Parish Sewerage District No. 1 (District). The project was located in Covington Country Club Estates and consisted of CCTV existing sewer lines, performing CCIP lining in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

ST. BERNARD PARISH, GRAVITY SEWER PROJECT, AREA A: St. Bernard Parish, LA. Mr. Buckel provided construction management, constructability reviews, and resident inspection services management for this FEMA-funded project involving cleaning, CCTV inspection, and construction repairs (350,000 LF of existing gravity sewers damaged by Hurricane Katrina). Cost: $32M (2016)

SANITARY SEWER SYSTEM UPGRADES, SOUTH FORCE MAIN AND GRAVITY SYSTEMS, PUMP STATION 58A, SGC-C-PS58A (STARING LANE – OVERFLOW PS): Baton Rouge, LA. Construction Engineer - Mr. Buckel provided construction management, constructability reviews, and resident inspection services management for this project, commonly known as "PS 58A." 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. GEC also designed and prepared electrical plans and specifications for the installation of a new submersible lift station and control building. (2012-2014) (City-Parish Project No. 09-PS-US-001)

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:
REHABILITATION OF THE CLEARY AND WEST NAPOLEON LIFT STATION Jefferson Parish, Louisiana *Client: Jefferson Parish Government, Amit Sengupta, (504) 736-6500*	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):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2017	$ 1,570,000 (Estimated)	$ 94,822 (GEC Fees)

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

PROJECT NO. 2

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
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, P.E., (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 (Total Fees)

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

PROJECT NO. 3

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
LAKESHORE VILLAGES & OAK HARBOR EAST UTILITIES WATER TREATMENT PLANT EXPANSION St. Tammany Parish, Louisiana *Client: Oak Harbor East Utility, LLC, Calvin Swinea, (985) 960-1415*	GEC designed improvements to the development, including adding 300,000 gallons/day (GPD) capacity to the existing 250,000 GPD wastewater treatment plant. The expansion project included a 300,000 GPD extended aeration treatment plant, tertiary filter system, chlorination system, yard piping, and site work. GEC also designed a new on-site electric power distribution system for the entire utility site, including three existing treatment units and a 1,000 GPM water well. The electrical system included new switchgear, conduits, conductors, grounding system, automatic transfer switch, and a 300 kw emergency generator. The generator and switchgear were mounted on a 10 ft. high concrete platform to meet FEMA elevation requirements. 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. Length of force main to be installed is approximately 30,300 feet. This project also includes the design of two additional wastewater treatment plants having a total capacity of 750,000 GPD, and site planning for an ultimate design capacity of 2,650,000 GPD. GEC provided schematic design of water distribution system framework comprising approximately 31,900 feet of water main. The project includes EPANET analysis of domestic demand and fire flow, sizing of water well and storage tank, and design of water well and tank complex including layout, piping, foundations, electrical, and permitting. GEC's services included conceptual design, permitting, preliminary design, and final design, along with bidding and construction phase services. GEC provided all civil, mechanical, electrical, and structural engineering design. In addition to the water and wastewater services, GEC designed a pump station for Lakeshore Villages that drains approximately 1,000 acres. The pump station has four pumps rated at 110 CFS at 17' TDH.

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
Ongoing	$ 3,000,000 (Estimated)	$ 396,000 (GEC Fees)

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

PROJECT NO. 4

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
ENGINEERING SERVICES FOR TERRACE STREET DRAINAGE PUMP STATION (RENOVATIONS AND IMPROVEMENTS) Baton Rouge, Louisiana *Client: City/Parish of East Baton Rouge, Thomas Stephens, (225) 389-3186*	GEC performed a hydrologic and hydraulic analysis of the 4,800 acre Corporation Canal/ Bayou Duplantier Watershed and evaluated the effectiveness of the 43 year old drainage pumping station in reducing flood levels in the drainage basin north of LSU's Campus. The pump station is located on River Road near the Old City Dock in Baton Rouge, Louisiana. The intake structure is located on the upper reach of Corporation Canal and pumps excess storm water over the Mississippi River Levee to discharge into the Mississippi River. Based on the evaluation of the existing pumping equipment, pumping scheme, and because of environmental concerns (due to the location of the pump station near the newly constructed LSU Water Campus Complex), it was determined to replace the existing pumps and diesel engine drivers with four (4) new 84,500 GPM vertical turbine pumps and four (4) 1,250 HP horizontal electric motors, and replace the existing sluice gate control structure with a permanent concrete weir/orifice structure. Upon completion of the project, the pumping station will have a total pumping capacity of 753 CFS or 338,000 GPM. GEC's responsibilities include demolition and replacement of the existing pump station building with a new building, incorporating the re-routing of the Mississippi River Levee Bike Path into the construction plans, performing all hydraulic, structural, mechanical, piping, electrical design work, and preparing contract technical specifications and bid documents. Additionally, in order to reduce project construction costs and accelerate construction time, GEC also prepared separate procurement public bid documents for the acquisition of the pumps, motors, right angle gear drives, and variable frequency drives for the future installation by the general contractor. 

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
Ongoing	$ 4,500,000 (Estimated)	$ 459,628 (Total Fees)

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

PROJECT NO. 5

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
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-designed 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)

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.

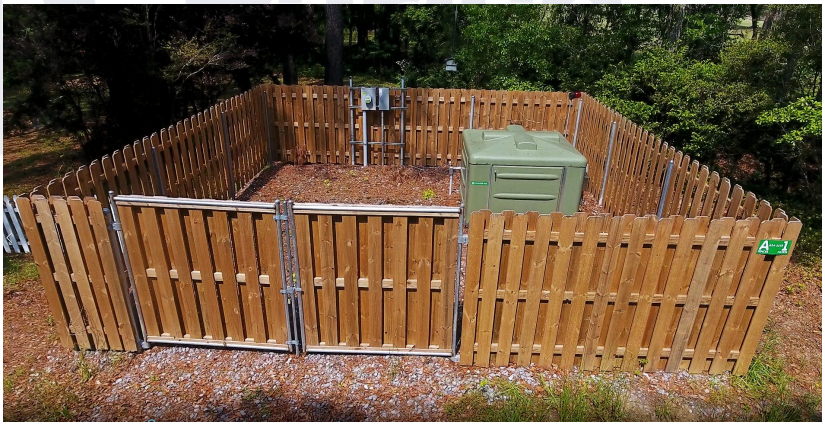
PROJECT NO. 6

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
BIG HILL ACRES WATER AND SEWER Jackson County, Mississippi *Client: Jackson County Utility Authority, Tommy Fairfield, Jr., Executive Director, 1225 Jackson Avenue, Pascagoula, MS 39567, (228) 762-0119*	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):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2016	$ 14,815,000 (Estimated)	$ 1,289,000 (GEC Fees)

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

PROJECT NO. 7

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
SEWER SYSTEM REHABILITATION PROGRAM, COVINGTON COUNTRY CLUB SEWER REHABILITATION Covington, Louisiana *Client: St. Tammany, Sewer District No. 1, Pete Lee, (985) 892-0312*	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):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2021	$ 1,167,900 (Estimated)	$ 141,000 (GEC Fees)

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

PROJECT NO. 8

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
INFRASTRUCTURE REPAIR PROGRAM, AREA 10, 6TH STREET SOUTH (SXSS) Biloxi, Mississippi *Client: City of Biloxi, 140 Lameuse St., Biloxi, MS 39533, Walt. A. Rode, Program Manager, Infrastructure Repair Program, 228.224.8494, wrode@biloxi.ms.us*	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 consists 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 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).

COMPLETION DATE (ACTUAL OR ESTIMATED):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
Ongoing	$ 16,000,000 (Estimated)	$ 845,400 (GEC Fees)

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

PROJECT NO. 9

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
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, P.E., (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 (Total Fees)

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

PROJECT NO. 10

PROJECT NAME, LOCATION AND OWNER'S CONTACT INFORMATION:	NATURE OF FIRM'S RESPONSIBILITY:
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, P.E., (225) 273-9635*	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 inch, 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):	ESTIMATED COST:	
	ENTIRE PROJECT:	WORK FOR WHICH FIRM WAS RESPONSIBLE:
2014	$ 13,000,000 (Estimated)	$ 2,546,824 (Total Fees)

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

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

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

Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations

STATEMENT OF QUALIFICATIONS

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

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

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

FIRM OVERVIEW

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

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

Established in 1986 in Baton Rouge, GEC is a shareholder-owned corporation with additional offices in California and Florida and over 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: **Executive Vice President** DATE: **June 30, 2022**

Minimum Requirements for Selection

ROUTINE ENGINEERING SERVICES

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

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

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

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

2. A PROFESSIONAL IN CHARGE OF THE PROJECT WHO IS A LICENSED, REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF LOUISIANA WITH A MINIMUM OF FIVE (5) YEARS' EXPERIENCE

Michael Hattaway, a senior civil and environmental design engineer with 40 years of experience, fills a number of roles for GEC. During his career, he has managed various programs and projects, including sewer, water, and drainage projects for the Cities of New Orleans, Slidell, Covington, Mandeville, and LaPlace, and the Parishes of Jefferson, St. Charles, St. Tammany, and St. John the Baptist. Design experience includes plans and specifications for bulkheads, canals, drainage pumping stations, wastewater treatment and collection systems, water production and distribution systems and marinas. He has served as consulting engineer for the City of Harahan, multiple public utility districts in Louisiana and Mississippi, and Drainage Districts Nos. 2, 4, and 5 in St. Tammany Parish and Reserve Drainage District in St. John the Baptist Parish. He is a licensed Civil and Environmental Professional Engineer.

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

STAFF NAME	YEARS OF EXPERIENCE	LICENSE NO. (DISCIPLINE)
Sherri LeBas, PE	36	LA PE No. 23844 (Civil/Environmental)
Cary Bourgeois, PE	37	LA PE No. 23414 (Civil)
Michael Hattaway, PE	42	LA PE No. 18672 (Civil/Environmental)
Jerome Klier, PE	53	LA PE No. 11591 (Civil)
Jerome Lohmann, PE	38	LA PE No. 24673 (Civil)
Michael Chiasson, PE	45	LA PE No. 17978 (Electrical)
Mickey Prattini Jr., PE	17	LA PE No. 35993 (Electrical)
Keith Rebello, PhD, PE	30	LA PE No. 20903 (Civil)
Brian Buckel, PE	44	LA PE No. 21816 (Civil)

Professional Qualifications

REHABILITATION TO THE NEYREY & VETERANS (F7-13) AND MARKET & SAUVE (D4-7) LIFT STATIONS

EVALUATION CRITERIA

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

GEC staff includes dozens of professionals who routinely design public works improvement projects including wastewater treatment and collection systems, water distribution systems, as well as water and fire protection supply systems for various agencies on a daily basis; and GEC has done so for decades. We offer Jefferson Parish a broad range of experience for the design this project. Our staff has provided professional services with technical requirements similar to those listed in the solicitation.

Our staff completed design of improvements for eight pump stations near Plank Road in Baton Rouge. The capacity of the pump stations ranged in size from 300 GPM to 9,000 GPM. This project required the involvement of several staff members, including civil engineers, structural engineers and electrical engineers, and totaled over $1.5M in design fees. In addition, GEC provided the City of Mandeville with professional services including engineering design, construction administration, construction inspection, and surveying for the complete overhaul of the sewerage collection and water distribution systems for the City.

Jefferson Parish
State of Louisiana
JP Project Manager

GEC

Sherri Lebas, PE
Principal-in-Charge

Michael Hattaway, PE
Professional-in-Charge

Cary Bourgeois, PE
QA/QC

Jerome Klier, PE
Civil Engineer

Jerome Lohmann, PE
Civil Engineer

Michael Chiasson, PE
Electrical Engineer

Mickey Prattini JR., PE
Electrical Engineer

Keith Rebello, PhD, PE
Structural Engineer

Brian Buckel, PE
Construction Engineer

BFM Corporation, LLC
Survey Subconsultant

Gulf South Engineering & Testing, Inc.
Geotechnical Subconsultant

EVALUATION CRITERIA

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

For over 35 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 plan.

GEC employs over 20 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.

3) LOCATION OF THE PRINCIPAL OFFICE - 15 POINTS

GEC has maintained a permanent office in Jefferson Parish since 2008 located at 3445 N. Causeway Blvd. in Metairie, Louisiana, allowing us access to all of Jefferson Parish. Any staff utilized outside of our Metairie office will coordinate directly with Metairie staff as has been done on several previous projects.

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

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

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

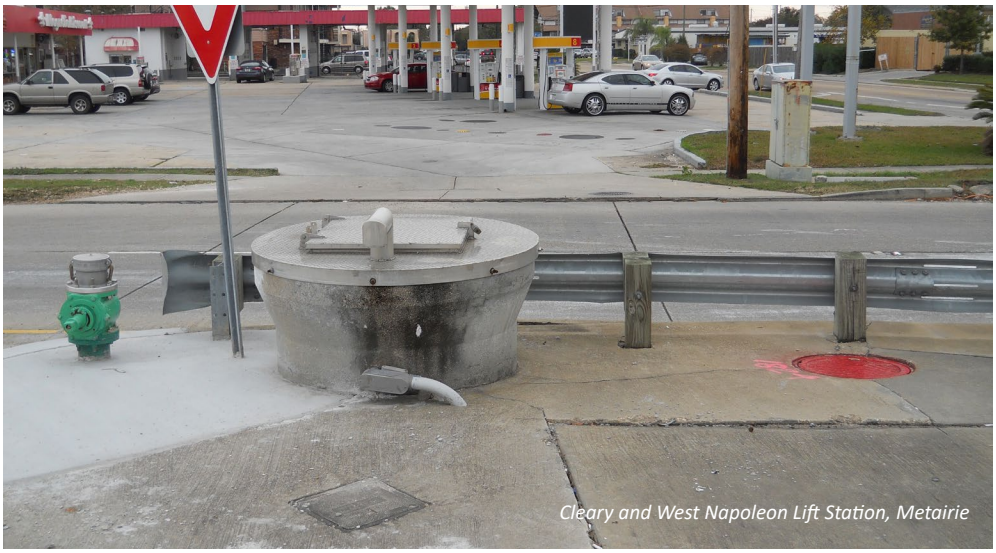
There are no current nor any prior adversarial legal proceedings between Jefferson Parish and GEC. In addition, GEC has never had a claim against it by Jefferson Parish or any other client for unsatisfactory work. GEC has never been disqualified or disbarred by any public agency from public contracts.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

EVALUATION CRITERIA

5) PRIOR SUCCESSFUL COMPLETION OF PROJECTS OF THE TYPE AND NATURE OF ROUTINE ENGINEERING SERVICES, AS DEFINED, FOR WHICH FIRM HAS PROVIDED VERIFIABLE REFERENCES - 15 POINTS

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

> **Under Mr. Bourgeois' guidance, GEC has provided an array of engineering services to us. Throughout my tenure, GEC's services have been prompt, thorough, accomplished our goals, and within budget."**
>
> *Greater New Orleans Expressway Commission, Carlton Dufrechou*



Cleary and West Napoleon Lift Station, Metairie

6) SIZE OF FIRM, CONSIDERING THE NUMBER OF PROFESSIONAL AND SUPPORT PERSONNEL REQUIRED TO PERFORM THE TYPE OF ROUTINE ENGINEERING TASKS – 10 POINTS

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

EVALUATION CRITERIA

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

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

SAMPLING OF PARISH PROJECTS COMPLETED BY GEC

- Modifications to F6-13 (Cleary & West Napoleon) Lift Station Improvements and New Effluent Force Main
- Nicole Blvd. Bike Path
- West Napoleon Avenue (Houma Blvd. to Harvard Ave.)
- West Napoleon/Causeway Blvd. Intersection Improvements
- Causeway Blvd. Overlay (Bore Street to West Napoleon Avenue)
- North Causeway Blvd. Overlay (17th Street to 6th Street)
- Jefferson Parish Submerged Roads Repairs (Council District 5)
- Clearview Parkway Capacity Improvements (Jefferson Highway to I-10)
- Airline Highway Lighting
- Clearview Parkway Capacity Improvements
- Westbound Veterans Blvd. Resurfacing
- Metairie Road Drainage Evaluation

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

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 QUESTIONNAIRE

BFM CORPORATION, LLC

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations

SOQ **22-028** | Resolution No. **139102**

B. Firm Name & Address:

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:

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

** Project Manager also noted in Professional Land Surveyor, but overall employee count is correct.*

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

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

TEC Professional Services Questionnaire

G. If submittal is by a JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. please attach additional pages if necessary.

1. N/A

2.

H. Has this JOINT-VENTURE previously worked together? Please check:
YES _____ NO _____ N/A

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Prime Before (Yes or No):
1. N/A		
2.		
3.		

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

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:

40 years (Founding Principal of BFM in 1982); 55 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 D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, LA*
- *2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, LA*
- *Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction, Jefferson Parish, LA*
- *Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA*
- *Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA*
- *Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA*
- *Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA*
- *Lift Station F8-3, Metairie, Jefferson Parish, LA*
- *Destrehan Lift Station Upgrades, Jefferson Parish, LA*
- *Destrehan Lift Station Upgrades, Harvey, Jefferson Parish, LA*
- *Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA*
- *Sewer Lift Station Upgrades (5th Avenue and 9th Street), 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 K-11-3, Marrero, Jefferson Parish, LA*
- *Lift Station F7-12 (Grace King and Rockford), Metairie, 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*
- *Lift Station Generator Installation (L-11-2, WB Expressway & Eiseman), Marrero, Jefferson Parish, LA*
- *Lift Station G4-2B Sewer Lift Station Rehabilitation (Scott St at Causeway Blvd), 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 C9-2 (Live Oak Boulevard), Westwego, 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*
- *Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA*
- *Emergency Generators for Sewer Lift Stations and Pump Stations, 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:

5 years (became partial owner of BFM in 2017); 29 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 D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, LA. BFM Corporation was selected by the Jefferson Parish Sewerage Department to provide comprehensive topographic & right-of-way surveying services for the Sewer Lift Station D4-5 upgrade project located at S. Laurel Street & Mistletoe Street in Metairie, LA. With this upgrade project, the equipment must be confirmed to be elevated above the 100 year flood elevation. Project plans included relocation of the existing control panel. Other utilities in the area were identified so that there would be no conflicts. BFM provided all surveying services requested (defining/locating elevations, right of ways, servitudes, utilities, etc.) to ensure the successful completion of the project. ($5,930 (fee); 2022)

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, LA. BFM prepared a Servitude Survey for the 2700 Destrehan Sewer Lift Station; the survey built upon and served to revise BFM's previous work on the project site in 2019 which involved a full boundary survey update. The scope of services involved establishing both a temporary construction servitude (105 ft. x 70 ft.) and a permanent servitude (45 ft. x 40 ft.). ($4,200 (fee); 2022)

Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the Sewer Lift Station (Coventry Court & Jefferson Highway) project site in River Ridge, LA. Included in the project were establishing a Construction Benchmark (CBM), Temporary Benchmark (TBM), and location of improvements, utilities, and property corners, as well as taking spot elevations. A Finished Floor Elevation (FFE) was also obtained for the lift station compound and the existing electrical slab. ($5,910 (fee); 2020)

Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken. ($7,090 (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. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found. ($2,970 (fee); 2021)

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:

14 years (joined BFM in 2008); 15 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)

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)

Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA. 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. ($20,000 (fee); 2016)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

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 (R/W). Baseline was set parallel to West Esplanade Avenue. ($11,890 (fee); 2019)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM Corporation executed boundary and topographic surveying services for the 2700 Destrehan Lift Station project in Harvey, LA. The scope of services included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives. ($11,710 (fee); 2019)

Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services for the project in Marrero. BFM established a baseline parallel to Ehret Road, with the beginning, end, and points of intersection referenced by three point ties to topographic features in the area. With the limits of survey established (Ehret Road, Weatherly Place, Crestridge Circle, and Broas Drive), BFM plotted the location of improvements. Visible above-ground utilities & below-ground utilities with visible surface evidence were also plotted. ($8,790 (fee); 2019)

Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken. ($7,090 (fee); 2020)

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. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. ($6,790 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Gary J. Lambert, Jr., PLS
Registered Professional Land Surveyor

Project Assignment:

Registered Professional Land Surveyor; Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

4 years (joined BFM in 2018); 11 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:

2021, Professional Land Surveyor (Louisiana Lic. No. 5929)

Other experience and qualifications relevant to the proposed Project:

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).

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM Corporation executed boundary and topographic surveying services for the 2700 Destrehan Lift Station project in Harvey, LA. The scope of services included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives. ($11,710 (fee); 2019)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services for the project in Marrero. BFM established a baseline parallel to Ehret Road, with the beginning, end, and points of intersection referenced by three point ties to topographic features in the area. With the limits of survey established (Ehret Road, Weatherly Place, Crestridge Circle, and Broas Drive), BFM plotted the location of improvements. Visible above-ground utilities & below-ground utilities with visible surface evidence were also plotted. ($8,790 (fee); 2019)

Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken. ($7,090 (fee); 2020)

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. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. ($6,790 (fee); 2019)

Sewer Lift Station D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, LA. BFM Corporation was selected by the Jefferson Parish Sewerage Department to provide comprehensive topographic & right-of-way surveying services for the Sewer Lift Station D4-5 upgrade project located at S. Laurel Street & Mistletoe Street in Metairie, LA. With this upgrade project, the equipment must be confirmed to be elevated above the 100 year flood elevation. Project plans included relocation of the existing control panel. Other utilities in the area were identified so that there would be no conflicts. BFM provided all surveying services requested (defining/locating elevations, right of ways, servitudes, utilities, etc.) to ensure the successful completion of the project. ($5,930 (fee); 2022)

Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the Sewer Lift Station (Coventry Court & Jefferson Highway) project site in River Ridge, LA. Included in the project were establishing a Construction Benchmark (CBM), Temporary Benchmark (TBM), and location of improvements, utilities, and property corners, as well as taking spot elevations. A Finished Floor Elevation (FFE) was also obtained for the lift station compound and the existing electrical slab. ($5,910 (fee); 2020)

2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, LA. BFM prepared a Servitude Survey for the 2700 Destrehan Sewer Lift Station; the survey built upon and served to revise BFM's previous work on the project site in 2019 which involved a full boundary survey update. The scope of services involved establishing both a temporary construction servitude (105 ft. x 70 ft.) and a permanent servitude (45 ft. x 40 ft.). ($4,200 (fee); 2022)

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:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

8 years (joined BFM in 2014); 16 years total (2006)

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. 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.

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 (R/W). Baseline was set parallel to West Esplanade Avenue. ($11,890 (fee); 2019)

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)

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:

14 years (joined BFM in 2008); 45 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.

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM Corporation executed boundary and topographic surveying services for the 2700 Destrehan Lift Station project in Harvey, LA. The scope of services included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives. ($11,710 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Curtis "Jay" Barrios
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:

32 years (joined BFM in 1990); 32 years total (1990)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger
Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

Mr. Barrios' surveying experience includes boundary, hydrographic, and topographic. He has worked on location and performed topographic surveys for a number of major projects.

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

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)

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)

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:

8 years (joined BFM in 2014); 21 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:

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. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found. ($2,970 (fee); 2021)

Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA. 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. ($20,000 (fee); 2016)

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)

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)

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:

3 years (joined BFM in 2019); 23 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 & Instrumentman for over 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 K-11-1, Marrero, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken. ($7,090 (fee); 2020)

Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the Sewer Lift Station (Coventry Court & Jefferson Highway) project site in River Ridge, LA. Included in the project were establishing a Construction Benchmark (CBM), Temporary Benchmark (TBM), and location of improvements, utilities, and property corners, as well as taking spot elevations. A Finished Floor Elevation (FFE) was also obtained for the lift station compound and the existing electrical slab. ($5,910 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

11 years (joined BFM in 2011); 31 years total (1992)

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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.

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 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 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 (R/W). Baseline was set parallel to West Esplanade Avenue. ($11,890 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Shaun Clements
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

4 years (joined BFM in 2018); 7 years total (2015)

Education: Degree(s)/Year/Specialization:

Associates of Applied Sciences, 2015, Computer Drafting and Design (ITT)

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found. ($2,970 (fee); 2021)

Sewer Lift Station L-11-1, Saddler Road at West Bank 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); 2021)

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:

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:

4 years (joined BFM in 2018); 37 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.

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. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. ($6,790 (fee); 2019)

Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services for the project in Marrero. BFM established a baseline parallel to Ehret Road, with the beginning, end, and points of intersection referenced by three point ties to topographic features in the area. With the limits of survey established (Ehret Road, Weatherly Place, Crestridge Circle, and Broas Drive), BFM plotted the location of improvements. Visible above-ground utilities & below-ground utilities with visible surface evidence were also plotted. ($8,790 (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:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

13 years (joined BFM in 2009); 25 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:

Ms. Hoffman serves as BFM's primary researcher and has more than 25 years of experience in this field. She is extremely knowledgeable with regards with researching in various parishes and cities.

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided surveying services for the project. The project's scope of services included boundary and topographic surveying of the project site. Research included obtaining available title data and courthouse research (as needed) to obtain servitudes for utilities or pipelines adjacent to the site. ($4,520 (fee); 2017)

Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA. BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). Scope included establishing a baseline parallel to the street. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer. ($6,620 (fee); 2017)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM Corporation executed boundary and topographic surveying services for the project. Scope included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives. ($11,710 (fee); 2019)

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 D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, Louisiana **Jefferson Parish Sewerage Department** 1221 Elmwood Park Blvd Ste 803 Jefferson LA 70123 **Sid Trouard, P.E.**, 504-736-6661 strouard@jeffparish.net	BFM provided comprehensive topographic & right-of-way surveying services for the Sewer Lift Station D4-5 upgrade project located at S. Laurel Street & Mistletoe Street in Metairie, LA. With this upgrade project, the equipment must be confirmed to be elevated above the 100 year flood elevation. Project plans included relocation of the existing control panel. Other utilities in the area were identified so that there would be no conflicts. BFM provided all surveying services requested (defining/ locating elevations, right of ways, servitudes, utilities, etc.) to ensure the successful completion of the project.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
March 2022	N/A	$5,930 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, Louisiana **ECM Consultants, Inc.** 4409 Utica Street Suite 200 Metairie LA 70006 **Sunina Shrestha**, 504-885-4080 mail@ecmconsultants.com	BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
April 2021	N/A	$28,950 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, Louisiana **Jefferson Parish Sewerage Department** 1221 Elmwood Park Blvd Ste 803 Jefferson LA 70123 **Sid Trouard, P.E.**, 504-736-6661 strouard@jeffparish.net	BFM prepared a Servitude Survey for the 2700 Destrehan Sewer Lift Station; the survey built upon and served to revise BFM's previous work on the project site in 2019 which involved a full boundary survey update. The scope of services involved establishing both a temporary construction servitude (105 ft. x 70 ft.) and a permanent servitude (45 ft. x 40 ft.).	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
March 2022	N/A	$4,200 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, Louisiana **Professional Engineering & Environmental Consultants (PEEC), Inc.** 1065 Muller Parkway, Suite B Westwego LA 70094 **Jeff Meyers**, 504-347-1900 jeff@peecinc.com	BFM Corporation provided boundary and topographic surveying services for the Sewer Lift Station (Coventry Court & Jefferson Highway) project site in River Ridge, LA. Included in the project were establishing a Construction Benchmark (CBM), Temporary Benchmark (TBM), and location of improvements, utilities, and property corners, as well as taking spot elevations. A Finished Floor Elevation (FFE) was also obtained for the lift station compound and the existing electrical slab.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
September 2020	N/A	$5,910 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station K-11-1, Marrero, Jefferson Parish, Louisiana **Infinity Engineering Consultants, LLC** 2626 Canal St Ste 202 New Orleans LA 70119 **Louis L. Jackson, P.E.**, 504-304-0548 ljackson@infinityec.com	BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
August 2020	N/A	$7,090 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station F8-3, **W. Esplanade Ave. at Houma Blvd.**, Metairie, 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'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. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
January 2021	N/A	$2,970 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Destrehan Lift Station Upgrades, Harvey, Jefferson Parish, Louisiana **Principal Engineering** 1011 N Causeway Blvd Suite 19 Mandeville LA 70471 **Henry DiFranco**, 985-624-5001 henry@pi-aec.com	BFM Corporation executed boundary and topographic surveying services for the 2700 Destrehan Lift Station project in Harvey, LA. The scope of services included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
July 2019	N/A	$11,710 (fee)

PROJECT NO. 8		
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 dmartin@hdaviscole.com	BFM's surveying scope involved topographic and boundary surveying services for the project in Marrero. BFM established a baseline parallel to Ehret Road, with the beginning, end, and points of intersection referenced by three point ties to topographic features in the area. With the limits of survey established (Ehret Road, Weatherly Place, Crestridge Circle, and Broas Drive), BFM plotted the location of improvements. Visible above-ground utilities & below-ground utilities with visible surface evidence were also plotted.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
February 2019	N/A	$8,790 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station Upgrades (5th Avenue and 9th Street), Harvey, Jefferson Parish, Louisiana **Professional Engineering & Environmental Consultants (PEEC), Inc.** 1065 Muller Parkway, Suite B Westwego LA 70094 **Jeff Meyers**, 504-347-1900 jeff@peecinc.com	BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
January 2019	N/A	$6,790 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Saddler Street Sewer Lift Station, 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 topographic surveying services for the project, located near the West Bank Expressway Access Road. The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. BFM plotted location of improvements within the designated Limits of Survey. Visible above-ground utilities and below-ground utilities with visible surface evidence were also plotted. Cross sections were taken on a 25 foot grid within the limits of survey. Deliverables included hardcopy and AutoCAD DWG format files.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
May 2018	N/A	$5,715 (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.

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

CRITERIA 1 • PROFESSIONAL TRAINING AND RELEVANT PROJECT 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 Surveying**
- **Drone Surveying / Photogrammic and LiDAR**
- **Bathymetric / Hydrographic Surveys**
- **Property, Boundary, and Right-of-Way Surveys**

TEC Professional Services Questionnaire

N. continued.

- **Maps, Cross-Sections, and Data Sets**
- **3D Laser Scanning**
- **Benchmarks**
- **Construction-Related Surveying**
- **Builder's Package Surveys**
- **American Land Title Association (ALTA) Surveys**

BFM's project work routinely involves **extensive records and related research** as an element of successful completion, as well as coordination with the client, agency or department. BFM has the personnel to make sure this is done correctly and expeditiously.

Our **Survey Field Crews** are equipped with 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). Crews are outfitted with Leica TS series robotic total stations, simplifying and expediting projects. Furthermore, BFM has photogrammetry included into our GS18 GPS Receivers that allow our technicians to capture and utilize point cloud data in the field. The tilt functionality built into the GPS receivers allows for shooting without leveling the rod; this greatly increases speed of fieldwork while keeping accuracy and precision intact. BFM's crews are trained to use this equipment to its full potential to maximize efficiency and accuracy 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). At 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** allow us to process & model for any design purpose. High-definition scanner data is processed using software from Leica and Autodesk. 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 Corporation provides **bathymetric surveying** to handle any hydrographic surveying tasks. 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 an SL20 Remote Controlled Boat equipped with CEE Scope Dual Channel Echo Sounder. The firm uses Hypack Software to process collected data. Further, BFM can execute multi-beam scans, side scans and magnetometer surveys upon request.

Please refer to the projects presented in Item L of this form as well as our personnel bios for an overview of relevant project work executed by BFM Corporation.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 2 • CAPACITY FOR TIMELY COMPLETION OF NEWLY-ASSIGNED WORK

BFM Corporation 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. 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.

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.

CRITERIA 3 • 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.

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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.

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

For nearly 40 years, BFM Corporation has completed thousands of projects throughout Jefferson Parish and Southeast Louisiana, both to municipal and various private clients, similar to the project at hand, not to mention other drainage projects in a wide range of sizes, from small lot to Parish-wide endeavors. **Multiple examples of this work are included throughout this form in both the *Personnel Résumés* section (Item K) and *Representative Project Work* (Item L).** Further, BFM has worked with virtually every municipality in the region. We enjoy a high repeat-business rate with all our clients. 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)

TEC Professional Services Questionnaire

N. continued.

- **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)
- **Tom Schreiner**, Deputy CAO, Public Works & Capital Projects, City of Kenner (504-468-7515 | tschreiner@kenner.la.us)
- **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.

CRITERIA 6 • SIZE OF FIRM

As noted, BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by the contract or project engineer. BFM has no issue with meeting the project deadlines set forth by our clients, both municipal and private. 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.

As noted in **item E of this form**, BFM currently has a **full time staff of two dozen people**, including **two Registered Professional Land Surveyors**, **Survey Field Crew Personnel**, and **AutoCAD drafting personnel**, as well as **complete administrative and support staff**.

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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.

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:** **June 16, 2022**

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

Name:	Public Address:
BFM Corporation, LLC	15 Veterans Memorial Boulevard Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000008	Active	09/11/1984	09/30/2023	Mr. Ralph P. Fontcuberta Jr. # PLS.0004329 - Active

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

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number	Expiration Date
PLS.0004329	09/30/2022

Status: Active

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

Mr. Chad Mitchell Poche

License/Certificate Type - Number	Expiration Date
PE.0027667	09/30/2022

Status: Active

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

Mr. Gary James Lambert Jr.

License/Certificate Type - Number	Expiration Date
PLS.0005259	03/31/2023

Status: Active

LOUISIANA ECONOMIC DEVELOPMENT

Division of Small and Emerging Business Development

SEBD CERTIFICATION

BFM CORPORATION, LLC

is hereby certified as a Small and Emerging Business Enterprise.

This certification is valid beginning 7/19/2019 and supersedes any registration or listing previously issued. At any time there is a change in ownership or control of the firm, notification must be made immediately to the Division of Small and Emerging Business Development.

Issued at Baton Rouge, Louisiana 7/19/2019

This certification expires on: 7/19/2029

Certification No. 9551

John W. Matthews, Jr.,
Executive Director, Entrepreneurial Services

LOUISIANA ECONOMIC DEVELOPMENT

DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

BFM CORPORATION, LLC

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

This certification is valid from 9/28/2021 to 9/28/2022 .

Certification No. 9551

Stephanie Hartman,
Director, Small Business Services

TEC QUESTIONNAIRE

GULF SOUTH ENGINEERING & TESTING, INC.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations

SOQ **22-028** | Resolution No. **139102**

B. Firm Name & Address:

Gulf South Engineering and Testing, Inc.
15 Veterans Memorial Boulevard
Kenner LA 70062

C. Name, title, & contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Chad M. Poché, P.E., Principal/Vice President
telephone 504-305-4401 • cpoche@gulfsoutheng.com
Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

D. Name, title, & contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Chad M. Poché, P.E., Principal/Vice President
telephone 504-305-4401 • cpoche@gulfsoutheng.com
Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

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

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

32* **TOTAL**

**employee count also include two CMT Supervisors, 1 Senior Engineering Technician, 1 Field Engineer, 3 Laboratory Technicians, 1 Soil Boring Driller, and one Soil Boring Driller Apprentice*

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

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

TEC Professional Services Questionnaire

G. If submittal is by a JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. please attach additional pages if necessary.

1. N/A

2.

H. Has this JOINT-VENTURE previously worked together? Please check:
YES _____ NO _____ N/A

I. List all subcontractors anticipated for this Project. Please note that <u>all subcontractors must submit a fully completed copy of this questionnaire</u>, 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:

<u>32</u> (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:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

11 years with this firm (2011); 29 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

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E., is Vice President, co-founder, and a Principal in Gulf South. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations and serving as an Expert Witness.

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)

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

Lift Station 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)

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 Sewer 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 (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. 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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Blake E. Vutera, P.E.
Engineering Manager

Project Assignment:

Geotechnical Engineer

Name of Firm with which associated:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

10 years with this firm (2012); 16 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:

Blake E. Vutera, P.E., 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, managing all geotechnical investigations, and aiding with laboratory testing and construction materials testing & inspection. Engineering analyses routinely performed includes 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.

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)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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 (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 (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. 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 (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 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)

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:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

11 years with this firm (2011); 16 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:

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

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

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)

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)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA. Gulf South provided field and laboratory testing on a call-out basis during construction of the project (SCIP D55116) located at the intersection of Houma Boulevard and West Esplanade Avenue. Scope included vibration monitoring, concrete sample pick-up and inspection, pile monitoring, and laboratory testing. ($10,000 (fee); 2021)

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)

Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA. Gulf South performed construction materials testing and inspection. Services included soil density tests, earthwork inspection and testing, backfill compaction testing, and concrete testing. ($8,000 (fee); 2021)

New Sewer 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 (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. diameter & 20 ft. bgs) at intersection of Toulouse Ave. and Smith Dr. in Metairie, LA. Scope included 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 (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:

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

Project Assignment:

Associate Geotechnical Engineer/Engineering Intern

Name of Firm with which associated:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

3 years with this firm (2019); 5 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:

- *Society of Women Engineers*
- *American Society of Civil Engineers*

Sara E. Lockwood, E.I., is serving as an Associate Geotechnical 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.

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)

Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA. Gulf South performed construction materials testing and inspection. Services included soil density tests, earthwork inspection and testing, backfill compaction testing, and concrete testing. ($8,000 (fee); 2021)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Sarah E. Lockwood (continued)

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

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

Lee Street Drainage Pump Station Improvements, City of Slidell, LA. Gulf South prepared a Geotechnical Exploration Report for the project site located at the junction of Lee Street and Front Street in Slidell, LA. Gulf South's scope includes drilling soil borings to 50 ft. in depth, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations. ($4,000 (fee); 2022)

Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. ($35,000 (fee); 2020)

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Bryson S. Beard, E.I.
Associate Geotechnical Engineer/Field Engineer

Project Assignment:

Associate Geotechnical Engineer/Field Engineer

Name of Firm with which associated:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

less than 1 year with this firm (2022); 1 year total (2021)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

2022, Engineer In Training (Georgia, No. EIT029180)
Louisiana License In Process

Other experience and qualifications relevant to the proposed Project:

- *40-hour HAZWOPER (Field Work)*
- *Fundamentals of Engineering Exam (FE), NCEES*

Bryson S. Beard, E.I., is an Associate Geotechnical Engineer/Field Engineer who is primarily serving as a field engineer with Gulf South's drilling crews and providing office support as needed. His experience in the field includes surface and subsurface soil sampling, water sampling, and soil classification.

Mr. Beard's work experience further includes core logging and oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. Further, he is a START V Region 4 Responder, and can be used whenever there is a large spill/release of harmful chemical or substance. Mr. Beard is experienced with laboratory sample preparation and testing.

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

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

Lee Street Drainage Pump Station Improvements, City of Slidell, LA. Gulf South prepared a Geotechnical Exploration Report for the project site located at the junction of Lee Street and Front Street in Slidell, LA. Gulf South's scope includes drilling soil borings to 50 ft. in depth, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations. ($4,000 (fee); 2022)

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

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

Barber Road Bank Stabilization, Paradis, St. Charles Parish, LA. Geotechnical engineering services for portions of the road that have failed or are failing into the ditch along Barber Road in Paradis, LA. Gulf South's scope includes drilling five borings (depth of 40 feet below ground surface), laboratory testing, engineering analyses (slope stability analyses, pavement design) and general construction procedures and recommendations. ($12,000 (fee); ongoing)

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:	
Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **c/o Richard C. Lambert Consultants, LLC** 900 West Causeway Approach Mandeville LA 70471 **Franz J. Zemmer,** 985-727-4449 fzemmer@rclconsultants.com	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.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020 March	N/A	$8,500 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Ole Miss Sewer Force Main, City of Kenner, Louisiana **City of Kenner Public Works Department** **c/o Digital Engineering** 527 West Esplanade Avenue Suite 200 Kenner LA 70065 **Frank T. Liang, P.E.,** 504-468-6129 fliang@deii.net	Geotechnical engineering services for the construction of a new sewer force main along Ole Miss Drive from the John Hopkins Lift Station to 35th Street within Kenner, LA. The force main will be 10-inches in diameter, approximately 2,100 linear feet, and installed 10 to 15 feet deep via directional drilling. Gulf South's scope includes drilling four undisturbed soil borings to depths of 20 feet below the ground surface, laboratory testing, engineering analyses (including soil bearing values, bedding & backfill, and settlement) and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2021 February	N/A	$8,000 (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 **Jefferson Parish** **c/o 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 February	N/A	$7,900 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Lift Station Upgrade **(24th Street and Delaware Avenue),** City of Kenner, Louisiana **City of Kenner** **c/o Shread-Kuyrkendall & Associates, Inc.** 104 Campus Drive East Destrehan LA 70047 **Steve P. Breeding, P.E.,** 985-764-4060 sbreeding@skaengr.com	Geotechnical engineering services for construction of a new generator pad and wet well located at 24th Street and Delaware Avenue in Kenner, LA. Gulf South's scope of services includes drilling two borings to a depths of 70 feet (1 boring for wet well) and 50 feet (1 boring for generator pad) below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 March	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:**	
New Sewer Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **c/o 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 September	N/A	$7,500 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, Louisiana **Jefferson Parish** **c/o Professional Engineering & Environmental Consultants (PEEC), Inc.** 1065 Muller Parkway Suite B Westwego LA 70094 **Jeff Meyers,** 504-347-1900 jeff@peecinc.com	Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling Street 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.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2018 July	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 (Toulouse Avenue & Smith Drive), Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **c/o 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 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.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2018 August	N/A	$7,500 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Jefferson Parish **c/o 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 February	N/A	$7,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Lift Station Rehabilitation (Wildcat Lane), Destrehan, St. Charles Parish, Louisiana **St. Charles Parish Government** **c/o Stuart Consulting Group, Inc.** 1018 Central Ave Ste 200 Metairie LA 70003 **Chris Blazo**, 504-888-5733 chrisb@stuartconsultinggroup.com	Geotechnical engineering services for rehabilitation of an existing below grade sewer lift station off Wildcat Lane in Destrehan, LA. Gulf South's scope includes drilling a single boring to a depth of 70 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 June	N/A	$5,800 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station No. F6-2 (W. Napoleon Blvd.), Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **c/o ECM Consultants, Inc.** 1301 Clearview Parkway Suite 200 Metairie LA 70001 **Susina Shrestha, P.E.**, 504-885-4080 sshrestha@ecmconsultants.com	Gulf South provided geotechnical engineering services for upgrading an existing below grade sewer lift station (No. F6-2) off West Napoleon Boulevard in Metairie, LA. Gulf South's scope includes drilling a single boring to a depth of 60 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 May	N/A	$5,000 (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.

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

CRITERIA 1 • PROFESSIONAL TRAINING AND RELATED EXPERIENCE

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

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

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

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

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

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

Field Investigation Services

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

Laboratory Testing Services

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

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

Construction Materials Testing & Inspection

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

CRITERIA 2 • CAPACITY FOR TIMELY COMPLETION OF NEWLY-ASSIGNED WORK

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

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

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

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

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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)

CRITERIA 6 • SIZE OF FIRM

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

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

- *Lift Station Rehabilitation (Wildcat Lane), Destrehan, St. Charles Parish, LA*
- *Lift Station Upgrade (24th St. and Delaware Ave.), City of Kenner, LA*
- *Lift Station No. F6-2 (W. Napoleon Blvd.), Metairie, Jefferson Parish, LA*
- *Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA*
- *Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA*
- *New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), 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 Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA*
- *Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA*
- *Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, LA*
- *St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA*
- *Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA*
- *Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA*
- *Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA*
- *New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA*
- *New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, LA*
- *Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA*
- *N. Sibley Drainage Improvements (N. Sibley at W. Napoleon), Metairie, Jefferson Parish, LA*
- *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*

TEC Professional Services Questionnaire

N. continued.

- *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*
- *Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA*
- *West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA*
- *Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA*
- *Westgate Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Bike Path Soil Borings, Jefferson Highway to Northline Street, Jefferson Parish, LA*
- *Green Acres Road - New Street Lighting, Metairie, Jefferson Parish, LA*
- *Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA*
- *Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA*
- *Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA*
- *Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA*
- *Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA*
- *Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA*
- *Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA*
- *St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA*
- *Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA*
- *David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA*
- *Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA*
- *Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA*

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

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:** **June 13, 2022**

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

Name:

Gulf South Engineering and Testing, Inc.

Public Address:

Mr. Chad Poche, PE 15 Veterans Memorial Boulevard

Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004626	Active	07/27/2010	03/31/2023	Mr. Chad Mitchell Poche # PE.0027667 - Active

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

Mr. Chad Mitchell Poche

License/Certificate Type - Number: PE.0027667
Expiration Date: 09/30/2022
Status: Active

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

Mr. Blake Elliot Vutera

License/Certificate Type - Number: PE.0038607
Expiration Date: 09/30/2022
Status: Active

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

Ms. Sara Elinor Lockwood

License/Certificate Type - Number: EI.0034718
Expiration Date: 03/31/2023
Status: Active

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

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number: PLS.0004329
Expiration Date: 09/30/2022
Status: Active

LOUISIANA ECONOMIC DEVELOPMENT

DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Gulf South Engineering and Testing, Inc.

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

This certification is valid from 2/25/2022 to 2/25/2023 .

Certification No. 11011

Stephanie Hartman,
Director, Entrepreneurial Services

RTA
Regional Transit Authority

July 1, 2021

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

Dear Ms. Poche:

We are pleased to inform you that your firm has been certified as a Small Business Enterprise (SBE).

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

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

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

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

Sincerely,

Adonis C. Expose'
DBE/SBE Liaison Officer III

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Gulf South Engineering and Testing, Inc.

in

Kenner, Louisiana, USA

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

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

Jim Tymon,
AASHTO Executive Director

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 08/17/2021 at 7:12 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

MTC
MATERIALS TESTING CENTER

USACE CERTIFICATE OF LABORATORY VALIDATION

ERDC
ENGINEER RESEARCH & DEVELOPMENT CENTER

Gulf South Engineering and Testing

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

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

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:
02 JUN 2020 AT 18:10 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 06/02/2022

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

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

SOILS

Soils - D 698 - Req - Compaction Characteristics by Standard Effort
Soils - D 1140 - Req - Material Finer than 75 □m (No. 200) Sieve
Soils - D 1557 - Req - Compaction Characteristics by Modified Effort
Soils - D 2216 - Req - Water Content
Soils - D 2974 - Req - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
Soils - D 4318 - Req - Liquid & Plastic Limits & Plasticity Index
Soils - D 4643 - Req - Determination of Water Content of Soil by Microwave Oven

WWW.GECINC.COM