

# 2021 PROFESSIONAL SERVICES

## REQUEST FOR QUALIFICATIONS

### **Resolution # 136765**

Routine Engineering Services for Drainage Projects

### **PREPARED FOR:**

Jefferson Parish Purchasing Department  
Joseph S. Yenni Building  
1221 Elmwood Park Blvd., Suite 404,  
Jefferson, LA 70123



**FAIRWAY**  
CONSULTING + ENGINEERING

#### **COMPANY**

Fairway Consulting + Engineering, LLC | Tax ID: 82-1160189  
403 N. Jefferson Ave. | Covington, LA 70433  
Phone: 504.234.1556 | Email: [info@fairwayce.com](mailto:info@fairwayce.com)

#### **CONTACT**

John A. Catalanotto, PE, PMP | President  
403 N. Jefferson Ave. | Covington, LA 70433  
C: 504.234.1556 | O: 985-288-2770 | D: 985-288-2771  
[john.catalanotto@fairwayce.com](mailto:john.catalanotto@fairwayce.com)

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

### Routine Engineering Services for Drainage Projects

Resolution No. 136765

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



## FAIRWAY

CONSULTING + ENGINEERING

Fairway Consulting and Engineering, LLC  
403 N. Jefferson Ave.  
Covington, LA 70433

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

**John Catalanotto, PE, PMP**

Louisiana Professional Engineering License No. 33918, 2008

[john.catalanotto@fairwayce.com](mailto:john.catalanotto@fairwayce.com)

504-234-1556

**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.**

**John Catalanotto, PE, PMP**

Louisiana Professional Engineering License No. 33918, 2008

[john.catalanotto@fairwayce.com](mailto:john.catalanotto@fairwayce.com)

504-234-1556

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

|   |                                     |                                      |
|---|-------------------------------------|--------------------------------------|
| <u>1</u> Administrative                 | <u>    </u> Estimators              | <u>    </u> Specification Writers    |
| <u>    </u> Architects (Licensed)       | <u>    </u> Geologists              | <u>1</u> Structural Engineers        |
| <u>    </u> Chemical Engineers          | <u>    </u> Geotechnical Engineers  | <u>    </u> Graduate Engineers       |
| <u>1</u> Civil Engineers                | <u>    </u> Interior Designers      | <u>1</u> Project Managers            |
| <u>    </u> Construction Inspectors     | <u>    </u> Landscape Architects    | <u>    </u> Clerical                 |
| <u>    </u> Ecologists                  | <u>    </u> Land Surveyor           | <u>    </u> Grant/Funding Specialist |
| <u>1</u> Electrical Engineers           | <u>1</u> Mechanical Engineers       | <u>    </u> Sanitary Engineers       |
| <u>1</u> Engineer Intern                | <u>    </u> Environmental Engineers | <u>2</u> Other (GIS; CAD)            |
| <u>    </u> Professional Land Surveyors |                                     | <u>9</u> <b>TOTAL</b>                |

**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 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 Firm Before (Yes or No): |
|---|------------------------------|--------------------------------------|
| <p>2.</p>   | <p>Surveying</p>             | <p>Yes</p>                           |
| <p>3.</p>  | <p>Geotechnical Services</p> | <p>Yes</p>                           |

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

Fairway Consulting and Engineering support personnel will be assigned upon review of any project assigned under this Routine Engineering Services contract. Please refer to Section N of this SOQ for a tentative listing of resources proposed.

## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**John Catalanotto, PE, PMP | President**

**Project Assignment:**

**Project Manager**

**Name of Firm with which associated:**



**Years' experience with this Firm:**

**2 (17 Total)**

**Education: Degree(s)/Year/Specialization:**

**BS | 2003 | Civil Engineering**

**Active registration: Year first registered/discipline:**

**2008 | Louisiana Professional Engineering License No. 33918 (Civil)  
Project Management Professional – Project Management Institute**

**Other experience and qualifications relevant to the proposed Project:**

Mr. John Catalanotto has over fifteen (15) years of experience in project management, detailed design, construction management, and field operations. Throughout his career, Mr. Catalanotto has fulfilled the role of Principal-in-Charge, Project Manager, and Project Engineer, and Lead Engineer for numerous civil, structural, environmental (wet infrastructure – water & wastewater), roadway, and oil and gas projects with capital costs ranging from \$10,000 to \$2.3 billion. Mr. Catalanotto has expertise with providing consulting services for both private and public (State, Local, Federal) agencies, the majority of which are within southeast Louisiana, and on the Northshore of Lake Pontchartrain. Most notably within the wet infrastructure sector, Mr. Catalanotto has executed projects to rehabilitate thousands of feet of sewage collection system pipelines and water distribution system extensions, renewal, and replacements. Mr. Catalanotto has also developed designs to rehabilitate more than forty (40) sewage pump stations. He has performed evaluations and designed expansions to water and wastewater treatment plants ranging in size from 3 MGD to 200 MGD.

**Principal in Charge/Project Manager | Town Center Water Well, Slidell, LA**

Mr. Catalanotto is the Principal in Charge and Project Manager for the project that involves providing design, bidding, construction administration, record drawing and supplemental services for a new water well in the Town Center area of Slidell. The proposed water well is anticipated to have a bore hole depth of approximately 2,500 feet deep with a well pump capacity of 1,500 gpm and a 100 hp motor. Additional project components include site development for a 100-ft by 100-ft site including preparation of paving, grading, and drainage plans; development of 1,000 feet of access road; multi discipline

## **TEC Professional Services Questionnaire**

engineering and design of the water well, chemical feed (chlorine and corrosion inhibitor) systems; design of 1,500 feet of 12-inch/16-inch water main installed by both open cut and horizontal directional drill techniques, design of two on-site buildings used for well pump support equipment (electrical and chemical feed) and bulk chlorine storage, and design of a diesel emergency generator.

### **Project Manager | Evaluation and Preliminary Design of Northshore Mall Area Sanitary Sewage Pumping Stations, Slidell, LA**

Mr. Catalanotto served as a Project Manager/Engineer for the evaluation of five (5) sanitary sewage pumping stations in the Northshore Mall Area of Slidell, Louisiana. The evaluation phase of the project consisted of the evaluation of both above ground self-priming and submersible type pump stations. Specific tasks completed by Mr. Catalanotto during this phase of the project included an assessment of the gravity sewer system, as well as drawdown testing at each pumping station. The final design phase of this project included the detailed design of two (2) of the five (5) sewage pump stations evaluated, as well as the detailed design of a 6-inch sewage force main totaling approximately 1,300 linear feet. Mr. Catalanotto performed the Civil and Mechanical discipline detailed designs, as well as management of the electrical sub-consultant for this project.

### **Project Manager | Improvements at the East Bank Water Treatment Plant, Jefferson Parish, LA**

Mr. Catalanotto served as Project Manager for the design of improvements at the East Bank Water Treatment Plant. Improvements consisted of a 40 MGD expansion to the existing plant. The project included the below process areas:

- Flash Mix Expansion; Solids Contact Upflow Clarifier Flocculation/Sedimentation Basins (6 Basins); Dual Media Filters (10 basins); Clearwell (1.5 MGD); Transfer Pump Station (10 MGD); High Service Pump Station (20 MGD); Waste Washwater Equalization Basin and Pump Station (750,000 MGD); Backwash Pump Station; Bulk Chemical Storage; Chemical Feed Building; Chemistry/Bacteriological Laboratory (10,000 SF)

Also included in the project is the rehabilitation of two (2) raw water intake pump stations. Improvements consisted of replacing existing vertical turbine pumps, valves, electrical equipment, as well as minor structural improvements. Project capital cost is estimated at between \$90 million and \$150 million.

### **Project Engineer | South WWTP Wet Weather Phase II Improvements, City of Baton Rouge/Parish of East Baton Rouge, LA**

Mr. Catalanotto served as a project engineer and lead pipeline engineer for the project which included an expansion of the South WWTP from 120 MDG to 200 MGD. Mr. Catalanotto was responsible for designing the liquids and solids process yard piping for the project. Yard piping included both ductile iron and welded steel and ranged in size in size from 8-inch diameter to 92- inches in diameter. Designing the yard piping for this project required close coordination and management of a global team project subconsultants and resources. Mr. Catalanotto played a significant role with interdiscipline coordination for the overall project and also oversaw the design of a new 5.0 MGD non-potable water pump station, and improvements to the non-potable water distribution system within the site. He assisted with coordination with federal agencies consisting of the FEMA and the USACE.

### **Design Manager | Interim Measures 2 at Bien Hoa Airbase, Bien Hoa, Dong Nai, Vietnam**

Mr. Catalanotto was the Design Manager for the Interim Measures 2 (IM2) environmental remediation project at the Bien Hoa airbase in Vietnam. The projects goal was to cleanup and store Dioxin (Agent Orange) contaminated soil and sediment from the Vietnam War. In total, two storage areas were designed. One storage area was designed to store 300,000 m<sup>3</sup> (10.5M ft<sup>3</sup>) of low concentration contaminated material. The second storage area was designed to store 21,000 m<sup>3</sup> (68,000 ft<sup>3</sup>) of high concentration contaminated material. The low concentration storage facility was designed as an earthen berm containment structure approximately 1,000m (3,200 ft) in length. The high concentration storage area was designed as a combination earthen berm with pre-cast concrete block containment structure approximately 400 meters (1,300 ft) in length. The project also required the design of stormwater management systems consisting of 680 m (2,230 ft) of concrete lined ditches and culverts. Lastly, the project included the design of the replacement for three (3) existing roadways and one (1) new roadway.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

Dustin Silbernagel, PE

**Project Assignment:**

Lead Civil Engineer

**Name of Firm with which associated:**



**Years' experience with this Firm:**

2 (16 Total)

**Education: Degree(s)/Year/Specialization:**

BS | 2013 | Civil Engineering  
AD | 2003 | Industrial Technology

**Active registration: Year first registered/discipline:**

2008 | Louisiana Professional Engineering License No. 41909 (Civil)

**Other experience and qualifications relevant to the proposed Project:**

Mr. Silbernagel has over fifteen (15) years of experience the majority of which is in St. Tammany Parish. Over this timeframe he's fulfilled the role of project manager, lead civil engineer, and lead designer for a wide range of residential and commercial developments within St. Tammany Parish. In these roles, he's designed numerous roadways, drainage systems (open ditch, subsurface, ponds), and utility systems.

**Associate Civil Engineer | Town Center Water Well, Slidell, LA**

Mr. Silbernagel is the associate Civil Engineer for the project that involves providing design, bidding, construction administration, record drawing and supplemental services for a new water well in the Town Center area of Slidell. In this role, Mr. Silbernagel developed the site civil design (paving, grading, drainage) for the 100 ft by 100 ft well site, designed 1,000 feet of access road, and 1,500 feet of 12 in. and 16 in. water main including a portion that crossed interstate 10. Mr. Silbernagel will also assist with permitting the project through Louisiana Department of Health (LDH) and the Department of Transportation and Development (DOTD).

**Lead Civil Engineer | Dynamic Physical Therapy Renovation Site Civil Engineering | Greenleaf-Lawson Architects, Westwego, Louisiana**

Mr. Silbernagel is the Lead Civil Engineer for the project which included the development of an approximately 1.0-acre site located within incorporated Westwego, Louisiana. The project includes the buildout/retrofit of an existing 9,150 square foot pre-engineered metal building for a physical therapy clinic. The site civil design included development of the site plan, grading and drainage, utility, and erosion control drawings. The plan included the design of a new parking lot and roadway for vehicular patient drop off. The drainage on site was designed with significant consideration given to maintaining existing overland sheet flow while minimizing the use of subsurface drainage pipe. Given the use of the building, Americans with Disabilities Act (ADA) considerations had to be carefully reviewed and incorporated into the design.

## **TEC Professional Services Questionnaire**

### **Lead Civil Engineer | St. Tammany Parish Mosquito Abatement Facility Expansion | St. Tammany Parish Mosquito Abatement, Slidell, LA**

Mr. Silbernagel is the lead civil engineer responsible for civil improvements associated with an expansion of the St. Tammany Parish Mosquito Abatement facility located off Airport Road in Slidell, Louisiana. In this role, Mr. Silbernagel designed all site civil improvements for the 3-acre site inclusive of paving, grading, drainage, and utilities. The improvements are required in order to accommodate the construction of a new 27,000 square foot truck garage, and an expansion to an existing building. Drainage improvements are anticipated to include new subsurface infrastructure as well as an expansion of the existing on-site detention pond. Drainage design criteria include reducing pre-developed versus post-developed site by 25% for a 2- and 24-hour duration for a 10, 25, 50, and 100-year storm event.

### **Lead CAD Designer | Fremaux Town Center | Stirling Properties, Slidell, Louisiana**

Mr. Silbernagel fulfilled various roles consisting of lead CAD designer, assistant project manager, and project manager for the development of the 350-acre mixed-use Fremaux Town Center Development. The development includes 640,000 square feet of retail shops. The site and design was developed into two phases. Mr. Silbernagel's responsibilities included design of modifications to two (2) existing roundabouts and the design of two (2) new 1-lane roundabouts. Mr. Silbernagel was responsible for the lot layout, design of asphalt with concrete curb parking lots. He also assisted in the design of the subsurface drainage infrastructure and water quality storage ponds. The water quality ponds allow filtering of the first ½-inch of storm water during a rain event. Design criteria for the pond included reducing pre-developed versus post-developed site by 25% for a 2 and 24-hour duration for a 10, 25, 50, and 100-year storm event. Mr. Silbernagel also assisted with selecting the location and sizing of the detention pond, as well as the outfall control structure.

### **Lead Civil Engineer | Ruth Garrett Way at Fremaux Town Center | Stirling Properties, Slidell, Louisiana**

Mr. Silbernagel was the lead civil engineer and designer for the Ruth Garrett Way within the Fremaux Town Center Development in Slidell, Louisiana. Ruth Garrett way consists of a 2-lane, 24-foot wide connector road between Town Center Parkway and Bill Garrett Road (I-10 service road) totaling approximately 1,100-feet. Mr. Silbernagel designed the concrete road section, subsurface reinforced concrete pipe (RCP) drainage pipelines, water distribution, wastewater collection, pump station, and force main systems. The roadway layout was designed to maximize site/lot efficiencies and expansion of up to 4-lanes with a center median. Mr. Silbernagel also designed water quality ponds associated with the road in accordance with City of Slidell requirements. The water quality ponds allow filtering of the first ½-inch of stormwater during a rain event.

### **Civil Engineer | Interim Measures 2 at Bien Hoa Airbase | Bien Hoa, Dong Nai, Vietnam**

Mr. Silbernagel was the Civil Engineer for the Interim Measures 2 (IM2) environmental remediation project at the Bien Hoa airbase in Vietnam. The projects goal was to cleanup and store Dioxin (Agent Orange) contaminated soil and sediment from the Vietnam War. In total, two storage areas were designed. One storage area was designed to store 300,000 m<sup>3</sup> (10.5M ft<sup>3</sup>) of low concentration contaminated material. The second storage area was designed to store 21,000 m<sup>3</sup> (68,000 ft<sup>3</sup>) of high concentration contaminated material. The low concentration storage facility was designed as an earthen berm containment structure approximately 1,000m (3,200 ft) in length. The high concentration storage area was designed as a combination earthen berm with pre-cast concrete block containment structure approximately 400 meters (1,300 ft) in length. The project also required the design of stormwater management systems consisting of 680 m (2,230 ft) of concrete lined ditches and culverts. Lastly, the project included the design of the replacement for three (3) existing roadways and one (1) new roadway.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

Matthew Loker, EI

**Project Assignment:**

Engineering Intern

**Name of Firm with which associated:**



**Years' experience with this Firm:**

>1 (>1 Total)

**Education: Degree(s)/Year/Specialization:**

BS | 2020 | Civil Engineering

**Active registration: Year first registered/discipline:**

2020 | Louisiana Engineering Intern License No. 34487 (Civil)

**Other experience and qualifications relevant to the proposed Project:**

Mr. Loker is a Civil Engineer intern and graduated with a Bachelors is Science in May 2020. While a student, he obtained valuable experience by working as a co-op with the Louisiana Department of Transportation (LADOTD). Since joining Fairway upon graduation, Mr. Loker has provided assistance with various civil engineering tasks, and computer aided drafting (CAD) us AutoCAD Civil 3D.

**Research Assistant | Louisiana Transportation Research Center, Baton Rouge, Louisiana**

Mr. Loker was a research assistant with the Louisiana Department of Transportation. He assisted with setup and calibration of equipment including traffic cameras and radar detectors. Mr. Loker calculated travel times, segment speed, and volume count (match rate). The goal of the research was to evaluate two (2) different Bluetooth technologies that will improve traffic safety and additional Intelligent Transportation System (ITS) research. At the conclusion of the research, Mr. Loker presented the methodology and results of the research to the Transportation Research Board (TRB) in Washington, DC.

**Engineer Intern | Raw Sugar Warehouse, Louisiana Sugar Refinery, Gramercy, Louisiana.**

Mr. Loker assisted with the pre-pour inspections and development inspection reports for the construction of an 80,000 square foot pre-engineered metal building at the Louisiana Sugar Refinery (LSR) in Gramercy, Louisiana. The building will be used to support raw sugar prior to refining. The raw sugar will be stored to heights of between 35 and 40 feet with a maximum slab loading of approximately 1,900 pounds per square foot at the center of the building. The slab design was a combination of both deep and shallow foundations. The deep foundations were placed on the exterior of the building and consisted of 55-foot Class B (8" tip, 12" butt) timber piles. Each column had a pile cluster consisting of three (3) timber piles. The interior of the slab has an 18-inch crown and consisted of a "waffle" design with 2-ft by 2.5-ft grade beams.

## **TEC Professional Services Questionnaire**

### **Associate Civil Engineer | Town Center Water Well, Slidell, LA**

Mr. Loker provided assistance with interdisciplinary coordination for the design of a 1,500 gpm water production well in Slidell, Louisiana. The project includes development of a 100 ft by 100 ft site (including paving, grading, drainage), a 1,000 feet of access road, and 1,500 feet of 12 in. and 16 in. water main including a portion that crossed interstate 10.

### **Civil Engineer | Interim Measures 2 at Bien Hoa Airbase, Bien Hoa, Dong Nai, Vietnam**

Mr. Loker was a Civil Engineer for the Interim Measures 2 (IM2) environmental remediation project at the Bien Hoa airbase in Vietnam. The project's goal was to clean up and store Dioxin (Agent Orange) contaminated soil and sediment from the Vietnam War. In total, two storage areas were designed. One storage area was designed to store 300,000 m<sup>3</sup> (10.5M ft<sup>3</sup>) of low concentration contaminated material. The second storage area was designed to store 21,000 m<sup>3</sup> (68,000 ft<sup>3</sup>) of high concentration contaminated material. The low concentration storage facility was designed as an earthen berm containment structure approximately 1,000m (3,200 ft) in length. The high concentration storage area was designed as a combination earthen berm with pre-cast concrete block containment structure approximately 400 meters (1,300 ft) in length. The project also required the design of stormwater management systems consisting of 680 m (2,230 ft) of concrete lined ditches and culverts. Lastly, the project included the design of the replacement for three (3) existing roadways and one (1) new roadway.

### **Civil Engineer | Pearl River 5.5 Acre Conceptual Site Plan, Pearl River, Louisiana**

Mr. Loker assisted with the development of a conceptual site plan for a multi-family development on a 5.5-acre site in Pearl River, Louisiana. To develop the plan, Mr. Loker researched the requirements for St. Tammany Parish Codes and Ordinances for A-7 Zoning of the site. The site plan included the layout of five (5) two-story buildings, parking lots, green space, and walking paths.

### **Civil Engineer | Lureline Dr. I/I Repairs, Covington, Louisiana**

Mr. Loker was a Civil Engineer for the Lureline Dr. I/I Repairs Project. The City of Covington had previously established an Inflow and Infiltration (I&I) program that included performance of a Sewer System Evaluation Survey (SSES) in 2020. The data obtained in the SSES as well as additional data from the Lureline Drive Project were utilized to prepare bid documents (plans and specifications) to rehabilitate the existing sanitary sewer system with the intent of reducing I&I into the system. The project included the rehabilitation of six (6) gravity sewer mains as well as twelve (12) service laterals. The gravity mainline repairs will consist of point repairs and Cured-in-Place-Pipe (CIPP) lining, and the service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements.

### **Civil Engineer | City of Covington FY 2020 I/I Repairs, Covington, Louisiana**

Mr. Loker was a Civil Engineer for the City of Covington FY 2020 I/I Repairs Project. The City of Covington had previously established an Inflow and Infiltration (I&I) program that included performance of a Sewer System Evaluation Survey (SSES) in 2020. The data obtained in the SSES as well as additional data from the FY 20/20 program were utilized to prepare bid documents (plans and specifications) to rehabilitate the existing sanitary sewer system with the intent of reducing I&I into the system. The project included the rehabilitation of twenty (20) gravity sewer mains as well as sixty-nine (69) service laterals. Approximately 2,200 feet of gravity mainline was designated for repairs, which consisted of point repairs and Cured-in-Place-Pipe (CIPP) lining of 8", 10", 12", and 15" in pipe. The service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

Mary Sharp, CFM

**Project Assignment:**

GIS Specialist

**Name of Firm with which associated:**



**Years' experience with this Firm:**

1 (22 Total)

**Education: Degree(s)/Year/Specialization:**

Various GIS, Drafting, IT courses, Baton Rouge and Hinds Community College

**Active registration: Year first registered/discipline:**

**Other experience and qualifications relevant to the proposed Project:**

Ms. Sharp has over twenty (20) years of experience with providing geographic information system (GIS) support to public and private sector clients. Her support has been provided on numerous large-scale capital improvement projects and programs, as well as response and recovery to over eleven (11) natural disasters.

**GIS Specialist | River Forest SSES, Covington, LA**

Ms. Sharp provided GIS support for the project that involved development of bid documents for the evaluation of the sanitary sewer system in River Forest subdivision in Covington, Louisiana. The project includes investigating sources of inflow and infiltration into the gravity sewer system from service laterals and private property contributions. Ms. Sharp was the lead GIS specialist responsible for making improvements to the City's GIS system, digitizing service connection locations, and data analysis of the asset provided in the GIS system.

**GIS Specialist | Various Projects, Baton Rouge, LA**

Utilize GIS (Geographic Information Systems) to model storm events and identify at-risk structures and populations, perform analysis including identification of assets in hazard areas and forming ideas to reduce the impacts of disaster. Research, manage, and author natural hazard mitigation plans to maintain eligibility for clients to various federal grant funding mechanisms.

Provide Hazus (FEMA's Hazards US software used to model flood, earthquake, and hurricane events to include assessment of structural and economic damages) support for select clients as well as Hurrevac, SLOSH (Sea, Lake and Overland Surges from Hurricanes used to model storm surge depths) and CAMEO/ALOHA (Areal Locations of Hazardous Atmospheres used to model chemical release incidents) modeling and analysis. Create, manage, and maintain comprehensive asset management databases for clients to track values, materials, and needs for current and damaged assets.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

Tiffany Brauner, M.Ed. | Administrative Assistant/Office Manager

**Project Assignment:**

Project Administrator

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

>1 (>1 Total)

**Education: Degree(s)/Year/Specialization:**

MEd | 2006 | Exercise Physiology  
BS | 2003 | Human Movement and Health Promotion

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

Mrs. Brauner recently joined Fairway following a greater than seventeen (17) year career in health care. Mrs. Brauner is the general office management and administration for Fairway. She has also provided support with document control and management for several ongoing design and construction projects.

**Slidell Town Center Water Well Design, Slidell, LA**

Mrs. Brauner provided assistance during the design of a 1,500 gpm water production well in Slidell, Louisiana. The project includes development of a 100 ft by 100 ft site (including paving, grading, drainage), a 1,000 feet of access road, and 1,500 feet of 12 in. and 16 in. water main including a portion that crossed interstate 10.

**Raw Sugar Warehouse | Louisiana Sugar Refinery, Gramercy, Louisiana.**

Mrs. Brauner provided assistance during the construction phase with the development of site inspection reports for pre-pour inspections for the construction of an 80,000 square foot pre-engineered metal building at the Louisiana Sugar Refinery (LSR) in Gramercy, Louisiana. The building will be used to support raw sugar prior to refining. The raw sugar will be stored to heights of between 35 and 40 feet with a maximum slab loading of approximately 1,900 pounds per square foot at the center of the building. The slab design was a combination of both deep and shallow foundations. The deep foundations were placed on the exterior of the building and consisted of 55-foot Class B (8" tip, 12" butt) timber piles. Each column had a pile cluster consisting of three (3) timber piles. The interior of the slab has an 18-inch crown and consisted of a "waffle" design with 2-ft by 2.5-ft grade beams.

**Abney Elementary | St. Tammany Parish School Board, Slidell, Louisiana.**

Mrs. Brauner is fulfilling the role of project administrator during the construction phase of an expansion the Early Childhood Center at Abney Elementary in Slidell. The project includes two new 1,700 square foot timber framed classroom buildings, as well as site civil improvements. Mrs. Brauner has provided document control support for Contractor Request for Information (RFI) and shop drawings.

## **TEC Professional Services Questionnaire**

### **Lureline Dr. I/I Repairs, Covington, Louisiana**

Mrs. Brauner provided the role of Project Administrator for the Lureline Dr. I/I Repairs Project. The project included the rehabilitation of six (6) gravity sewer mains as well as twelve (12) service laterals. The gravity mainline repairs will consist of point repairs and Cured-in-Place-Pipe (CIPP) lining, and the service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements.

### **City of Covington FY 2020 I/I Repairs, Covington, Louisiana**

Mrs. Brauner provided the role of Project Administrator for the City of Covington FY 2020 I/I Repairs Project. The project included the rehabilitation of twenty (20) gravity sewer mains as well as sixty-nine (69) service laterals. Approximately 2,200 feet of gravity mainline was designated for repairs, which consisted of point repairs and Cured-in-Place-Pipe (CIPP) lining of 8", 10", 12", and 15" in pipe. The service lateral pipe repairs will include service repairs, CIPP lining, and lateral reinstatements.



## TEC Professional Services Questionnaire

### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

**Eric Scheuermann | Design/Drafting Specialist**

**Project Assignment:**

**Design/Drafting Specialist**

**Name of Firm with which associated:**



**Years' experience with this Firm:**

**1 (28 Total)**

**Education: Degree(s)/Year/Specialization:**

**Drafting, 1980, Nunez Community College**

**Active registration: Year first registered/discipline:**

**Other experience and qualifications relevant to the proposed Project:**

Mr. Scheuermann has over twenty-five (25) years of experience performing design/drafting and Geographic Information System (GIS) services for municipal, state, federal and private sector clients. He has extensive experience with Microstation and AutoCAD software packages, as well as ESRI's ArcGIS. During Mr. Scheuermann's career he has provided architectural, civil, electrical, mechanical, and structural drafting services. His civil experience includes general civil (paving and grading), drainage, and roadway improvement projects. His mechanical design/drafting experience has been obtained through involvement in improvements at water and wastewater treatment plants, water wells, wastewater pump stations, and collection/distribution system pipelines. His private sector experience has included providing pipeline design and GIS mapping services to major oil and gas companies in Louisiana.

**Lead Mechanical Designer | Town Center Water Well, Slidell, LA**

Mr. Scheuermann is the lead Mechanical Designer for the project that involves providing design, bidding, construction administration, record drawing and supplemental services for a new water well in the Town Center area of Slidell. In this role, Mr. Scheuermann developed the process mechanical design drawings for the production well, chemical feed and disinfection systems, process mechanical plans and sections of well support buildings.

**Lead Designer | Northshore Mall Area Sanitary Sewage Pump Stations, Slidell, Louisiana**

Mr. Scheuermann served as lead civil, mechanical, and structural designer for improvements at two(2) pump stations in the Northshore Mall area of Slidell. The project included design of improvements at above ground self-priming and submersible type pump stations and the design of a 6-inch sewage force main totaling approximately 1,300 linear feet.

## **TEC Professional Services Questionnaire**

### **Lead Designer | FY 08/09 and 10/11 Sanitary Sewage Pump Station Rehabilitation, City of Slidell, Slidell, LA**

Mr. Scheuermann served as lead civil, mechanical, structural, and electrical designer for the rehabilitation of five sanitary sewage pump stations ranging in size from 0.5 to 4.0 mgd in Slidell, Louisiana. Rehabilitation at each pump station consisted of replacement of pumps, piping, control panels, wiring, pump cables, and other items identified during site visits to the pump stations.

### **Lead Designer | , Sanitary Sewage Pump Station Control Panel Replacement Project, City of Slidell, Slidell, LA**

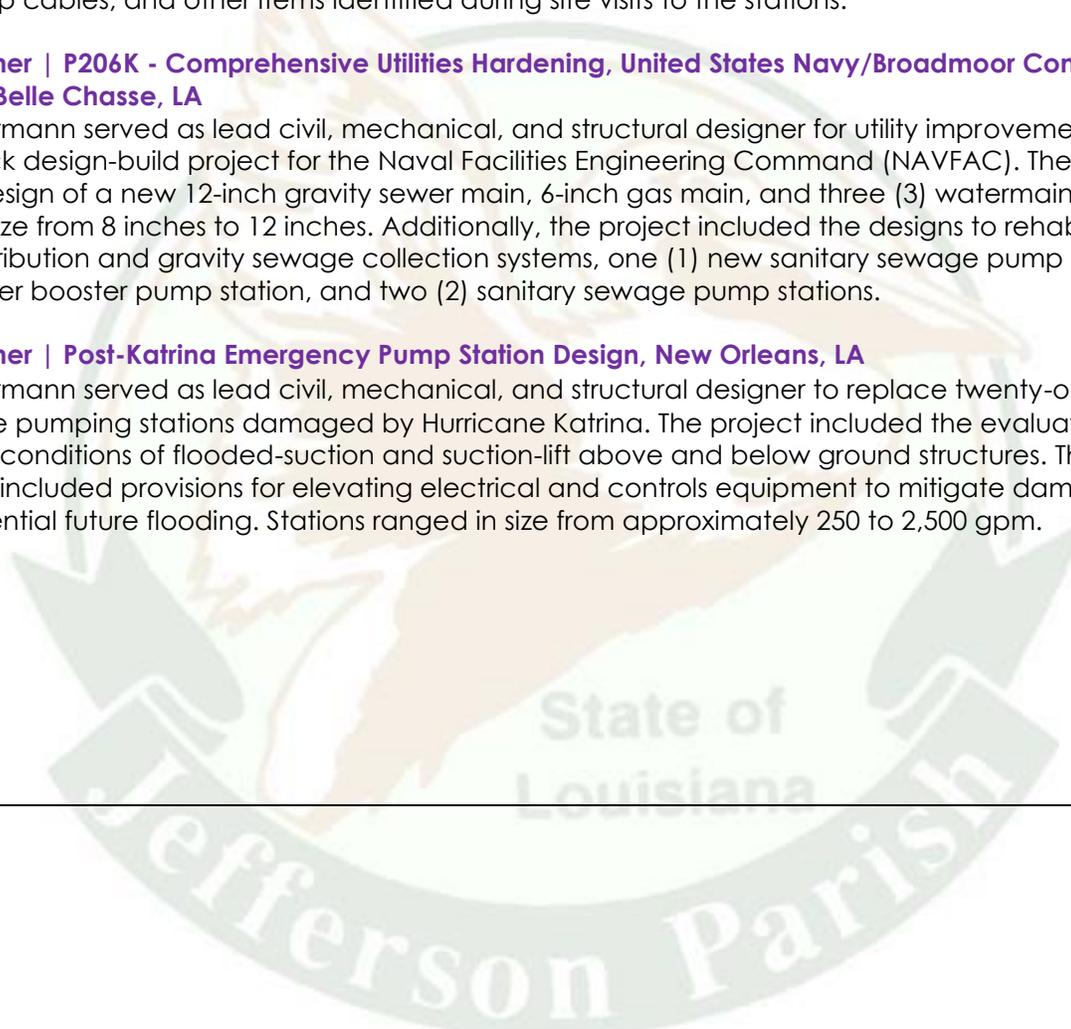
Mr. Scheuermann served as lead civil, mechanical, structural, and electrical designer for the detailed design to replace control panels at thirty-one (31) duplex sanitary sewage pump station that were damaged by Hurricane Katrina in Slidell, Louisiana. The repairs consisted of replacing control panels, wiring, pump cables, and other items identified during site visits to the stations.

### **Lead Designer | P206K - Comprehensive Utilities Hardening, United States Navy/Broadmoor Construction Company, Belle Chasse, LA**

Mr. Scheuermann served as lead civil, mechanical, and structural designer for utility improvements for this fast track design-build project for the Naval Facilities Engineering Command (NAVFAC). The project included design of a new 12-inch gravity sewer main, 6-inch gas main, and three (3) watermains ranging in size from 8 inches to 12 inches. Additionally, the project included the designs to rehabilitate the gas distribution and gravity sewage collection systems, one (1) new sanitary sewage pump station, one (1) water booster pump station, and two (2) sanitary sewage pump stations.

### **Lead Designer | Post-Katrina Emergency Pump Station Design, New Orleans, LA**

Mr. Scheuermann served as lead civil, mechanical, and structural designer to replace twenty-one (21) sewage pumping stations damaged by Hurricane Katrina. The project included the evaluation of the existing conditions of flooded-suction and suction-lift above and below ground structures. The design also included provisions for elevating electrical and controls equipment to mitigate damage due to potential future flooding. Stations ranged in size from approximately 250 to 2,500 gpm.



## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

James Hymel, PE | Mechanical Engineer

**Project Assignment:**

Lead Mechanical Engineer

**Name of Firm with which associated:**



**Years' experience with this Firm**

1 (17 Total)

**Education: Degree(s)/Year/Specialization:**

BS | 2002 | Mechanical Engineering

**Active registration: Year first registered/discipline:**

2007 | Louisiana Professional Engineering License No. 33609 (Mechanical)

**Other experience and qualifications relevant to the proposed Project:**

James is a registered professional engineer with more than 17 years of experience primarily in municipal projects with additional experience in the oil and gas industry. He has extensive experience in project management, project lead engineering, multi-discipline coordination, and detailed mechanical design. His specialties are Water, Wastewater, and Drainage Pumping Station Design and Rehabilitation. James has been involved with numerous infrastructure projects serving as lead engineer for existing asset assessments, preliminary design, final design, bidding and construction oversight. James most recently fulfilled the role of Lead Process Mechanical Engineer and Project Technical Lead for the East Bank Water Treatment Plant Improvement project.

**Project Manager | Sewer Treatment Facility & Lift/Pump Station Damage Assessment, St. Tammany Parish Department of Public Works, St. Tammany Parish, LA**

Damage assessments from Hurricanes Katrina and Rita of all sewer treatment facilities/package units and lift/pump stations throughout the entire Parish, including Slidell, Lacombe, Mandeville, Madisonville, and surrounding areas. Task included planning and coordination of documenting approx. 70 treatment facilities and over 500 lift and pump stations.

**Lead Process Mechanical Engineer and Project Technical Lead | Phase II (Design, Bidding, ESDC, Record Drawing Phase, and Supplemental Services) at the East Bank Water Treatment Plant, Jefferson Parish, LA**

James served as the Lead Process Mechanical Engineer and Project Technical Lead for the design of improvements at the East Bank Water Treatment Plant. Improvements will consist of a 40 GD expansion of the existing plant and will consist of the following process areas:

- Flash Mix Expansion; Solids Contact Up flow Clarifier Flocculation/Sedimentation Basins (6 Basins); Dual Media Filters (10 basins); Clearwell (1.5 MGD); Transfer Pump Station (10 MGD); High Service Pump Station (20 MGD); Waste Washwater Equalization Basin and Pump Station (750,000

## **TEC Professional Services Questionnaire**

MGD); Backwash Pump Station; Bulk Chemical Storage; Chemical Feed Building; Chemistry/Bacteriological Laboratory (10,000 SF)

Also included in the project is the rehabilitation of two raw water intake pump stations and the rehabilitation of the existing P3 facility. Raw Water Pump Station improvements will consist of replacing existing vertical turbine pumps, valves, electrical equipment, as well as minor structural improvements. Rehabilitation of the existing P3 facility will consist of the rehabilitation and/or replacement of existing structural, mechanical and electrical features on site. Project capital cost is estimated to range between \$90 million and \$150million.

### **Project Engineer | West Bank Water Treatment Plant Expansion, Jefferson Parish, LA**

James served as a Project Engineer for the expansion of an existing 34 mgd water treatment plant to a treatment capacity of 60 mgd. He designed upgrades to existing chemical feed systems. This design included expansion of the disinfection system, which required examination of chlorinator/injector capacities, system hydraulics, and booster pump sizing. He also analyzed raw water pumping capacity. The raw water pumping system analysis included the development of system curves for pump selection and raw water pumping scenario analysis. The analysis also included hydraulic modeling of various pumping scenarios and physical testing.

### **Project Engineer | Carrollton WTP Sludge Pumping Network, New Orleans, LA**

James performed hydraulic modeling of the sludge pumping systems for the New Orleans, LA, Carrollton Water Treatment Facility. Electronic modeling of the sludge/mud removal systems (four individual pumping facilities) was performed to correctly size a new discharge line from the facility to the river and to provide the facility with several allowable operational scenarios of pump and discharge force main combinations.

### **Project Manager | Dravo Wastewater Treatment Plant Effluent Pump Station & Force Main Segment Replacement, St. Bernard Parish Water and Sewer Division, St. Bernard Parish, LA**

Project Manager and Design Lead for the conversion of the existing Wastewater Treatment Plant's effluent pump station to a raw water pumping station as part of the Parish's consolidation projects. The project included task such as re-routing influent force mains from the plant's headworks to the station's wet-well, replacement of three 18 inch, VTSH type pumps with three 250 hp submersible pumps (total capacity of 20 MGD), design of an elevated structure for the electrical control room and emergency generator. Under this project, Mr. Hymel also served as Project Manager and Design Lead for five segment replacements for an existing 30-inch sewer force main, located in St. Bernard. The existing 20,000-foot force main included five steel segments of various lengths (average 500-1,000 feet) which required replacement. The segment replacements were designed to be replaced via a combination of open-cut and horizontal directional drilling methods.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

Barrett Crook, PE, LEED AP | Structural Engineer

**Project Assignment:**

Lead Structural Engineer

**Name of Firm with which associated:**



**Years' experience with this Firm:**

1 (25 Total)

**Education: Degree(s)/Year/Specialization:**

BS | 1994 | Civil Engineering

**Active registration: Year first registered/discipline:**

2006 | Louisiana Professional Engineering License No. 32734 (Civil)  
LEED Accredited Professional

**Other experience and qualifications relevant to the proposed Project:**

Mr. Crook is a registered Professional Engineer in Louisiana with over twenty-four (24) years of experience. He has extensive experience performing civil and structural designs in the water and wastewater industries, as well as facilities for commercial and residential uses. Mr. Crook is an expert at modeling soil-structure interaction, static/dynamic structural analyses, as well as establishing structural design criteria. Mr. Crook is a registered Professional Engineer in over twenty (20) States. He is also certified as LEED accredited professional (Leadership in Energy and Environment Design Accredited Professional).

**Lead Structural Engineer | Town Center Water Well, Slidell, LA**

Mr. Crook is the lead structural engineer for the project that involves providing design, bidding, construction administration, record drawing and supplemental services for a new water well in the Town Center area of Slidell. Mr. Crook is responsible for design the well support and bulk chlorine storage buildings. Both buildings are timber framed supported by a concrete slab on grade.

**Lead Structural Engineer | South WWTP Phase II Improvements, Baton Rouge, LA**

Mr. Crook was the lead structural design engineer for the solids contact basins and he oversaw work on the thickened sludge mixing tanks, laboratory building, administration building, digester modifications, and various other smaller structures.

**Lead Structural Engineer | South WWTP Trickling Filter Improvements, Baton Rouge, LA**

As the lead structural engineer, Mr. Crook was responsible for designing a 100 -foot by 100-foot by 35-foot-deep reinforced concrete pump station, the electrical building, splitter structure, and valve vault.

## **TEC Professional Services Questionnaire**

### **Lead Structural Engineer | South WWTP Influent Pump Station Modifications, Baton Rouge, LA**

Mr. Crook was the lead structural engineer and was part of a team that renovated and converted a decommissioned influent pump station into a 15-mgd wet weather influent pump station, bringing the existing influent pump station capacity back to 60 mgd. As the lead structural engineer, Mr. Crook provided structural design for final design and preparation of 2.5 contract documents and coordinated with other engineering disciplines to ensure a high-quality product, accelerate design/drawing production, and reduce interdisciplinary conflicts during the design phase.

### **Lead Structural Engineer | Central Pump Station/PS42 Improvements, Baton Rouge, LA**

Mr. Crook was the structural engineer on the design of a new \$15M, 58-mgd peak flow pump station, which is intended to bypass the Central WWTP and direct its flow to the South WWTP. The facility includes wet pit/dry pit station, variable frequency drive (VFD)/control building, and new odor control facilities.

### **Project Engineer | O'Neal Lane Pump Stations Group A, Baton Rouge, LA**

Mr. Crook was the project engineer for updates to 16 pump stations to help mitigate chronic SSOs at or near these pump stations and increase the overall system capacity. The project consisted of eight triplex stations, ranging from 860 gpm to 4,700 gpm; seven duplex stations, ranging from 160 gpm to 540 gpm; and one 2,200-gpm submersible program station.

Lead Structural Engineer, Central Weber WWTP Upgrade & Expansion, Ogden, UT

Mr. Crook provided structural design of a multi-level CMU chemical building, clarifier, scum vault, and concrete containment structure for an air scrubber system. A unique aspect of the chemical building was a rotating ramp mounted on an elevated, exterior platform designed to aid the offloading of chlorine. The ramp could be raised or lowered with the use of a winch mounted on the platform.

### **Lead Structural Engineer | Willamette River Water Treatment Plant, Wilsonville, Oregon-Project Structural Engineer**

This was the largest design build project Montgomery Watson has ever undertaken and the design team completed the \$41 million (total fees) project in less than 3 months. This project used an importance factor of 1.25 (essential facility) which was later upgraded to 1.50 after recommendations from a third party, value engineering committee. As a member of the design team and lead structural engineer Mr. Crook completed the design, drawings (3D) and specifications for a 100-foot-deep, 48-foot diameter caisson, actiflo, ozone contactors, filters, waste washwater basin, 4 million gallon clear well, sludge thickener, two story sludge dewatering building and numerous buried vaults. Additionally, Mr. Crook worked closely with the geotechnical consultant to minimize costs associated with backfilling and with the architects to obtain an "aesthetically pleasing" design for the public a new 5.0 MGD non-potable water pump station, and improvements to the non-potable water distribution system within the site.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

Harry Hawney, PE | Electrical Engineer

**Project Assignment:**

Lead Electrical Engineer

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

1 (55 Total)

**Education: Degree(s)/Year/Specialization:**

MBA | 1971  
BS | 1970 | Electronics Engineering

**Active registration: Year first registered/discipline:**

1981 | Louisiana Professional Engineering License No. 19229 (Electrical Engineering)

**Other experience and qualifications relevant to the proposed Project:**

Mr. Hawney has over 40 years of experience in electrical design and construction management oversight for public, private and industrial projects of all types. He has significant experience specific to water and wastewater pump stations and treatment plants, in South Louisiana. Mr. Hawney's background encompasses plant power systems, power distribution, instrumentation, control systems and specific projects related to substation design for industrial projects ranging from initial conceptualization through design, start-up and operation and includes experience in coordination, Short Circuit studies and Arc-Flash. His technical specialization is in system rehabilitation and upgrading with emphasis on system reliability performance and interrelation of power and control schemes. He is very knowledgeable on design & utilization of SCADA systems in plant operations and process control, as well as rehabilitation/ recovery efforts.

**Electrical Engineer | Retrofit Power Plant Hazard Mitigation Grant Program (HMGP) Project; New Orleans, LA.**

Electrical Engineer for Trigon's efforts on this project, which involves repairs and upgrades to generators, fuel storage tanks, boilers, turbines and electrical I&C. Includes design and engineering for several of the nine contract packages, including a design-build project for S&WB power distribution feeders; hardening of fuel tank and delivery system, including I&C; power plant generator retrofit; steam turbine generator load bank testing; and local electrical feeder installation.

**Electrical Engineer | East Bank Wastewater Treatment Plant, Jefferson Parish, LA.**

Project Electrical Engineer for \$150M new plant, including \$10M of control and electrical work. Project included 13.8kV electrical power distribution, 5,000 HP compressor power and controls, plant wide control system using a DCS on token-ring bus.

**Electrical Engineer | Munster Sewage Treatment Plant, St. Bernard Parish, LA.**

Electrical Engineer/Construction Management for project. The existing plants were consolidated into a new 50MGD treatment facility at the Munster Sewage Treatment Plant. The scope of work included electrical service at 13.8kv with 480V in plant distribution, two (2) 2MW emergency back-up diesel generators, an in-

## **TEC Professional Services Questionnaire**

plant distributed SCADA system, and an in-plant security video system.

### **Electrical Engineer | Water Quality Master Plan, New Orleans, LA.**

Principal Electrical Engineer for assessment of the S&WB's Carrollton and Algiers Water Treatment Plants to determine physical condition of the infrastructure at each plant. Based on the assessment, the current status and forecast of issues to be addressed will be developed, as well as a prioritized listing of short- and long-term needs required at the plants to address reliability and redundancy.

### **Electrical Engineer | Water Hammer Hazard Mitigation Project, New Orleans, LA.**

Principal Electrical Engineer for efforts to mitigate water hammer events/effects on the East Bank by upgrading facilities at the S&WB's East Bank Water Treatment Plant and power supply infrastructure at the S&WB's power plant. Includes improvements to pump stations, plant piping/valving/metering, new building to house VFDs, elevated storage tanks and remote bladder tank installations.

### **Electrical Engineer | East Jefferson Water Purification Plant Power Project, Jefferson Parish, LA.**

Principal Electrical Engineer for the design and construction management phases of 13.8kV substation project with three (3) incoming utility sources and automatic 13.8kV switchover between sources, plus a 4.5MW diesel standby power plant with four (4) generators and parallel switchgear. An alternate emergency power distribution network within the plant was installed to ensure the highest level of power delivery reliability, as was a server-based Power Management and Control System (PMCS), which allows monitoring and control of the normal and emergency power systems for the entire plant. Finally, construction schemes (MOPOs) were developed to allow all plant equipment to remain in service during construction.

### **Electrical Engineer | West Jefferson Water Purification Plant Power Project, Jefferson Parish, LA.**

Principal Electrical Engineer and Construction Manager. This project was part of a major expansion to the existing water purification plant. The work included the design and construction of 13.8kV distribution, 480V switchgear and distribution for the major plant operating components, a 3.5 MW diesel standby power plant with four (4) generators along with paralleling switchgear; automatic transfer between normal and emergency power systems; and Remote-Control Room monitoring of the normal and emergency power systems. Also included was all instrumentation for the plant expansion as well as the integration of the expanded plant systems into the existing RTU/HMI systems.



## 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:**

**Douglas Drive Drainage Improvements | Jefferson Parish, LA**

Jefferson Parish Drainage Department  
 1221 Elmwood Parkway  
 Jefferson, LA 70123

Mitch Theriot, Director  
 504-736-6742

**Nature of Firm's Responsibility:**

During heavy rain events, residents in the vicinity of Douglas Drive experienced localized street flooding. The solution to this issue included installation of new 24-inch diameter reinforced concrete pipe (RCP) pipe along Douglas Drive, and the replacement of 36-inch diameter corrugated metal drainage pipe along Beeson and Carroll Drives between Douglas Drive and Citrus Boulevard. Mr. Catalanotto was the project manager for the project that in total, included design of approximately 1,400-feet of new drainage pipe, twenty (20) manholes/catch-basins, and new concrete and asphalt pavement.



| Completion Date<br>(Actual or estimated): | Estimated Cost: |                                      |
|---|-----------------|--------------------------------------|
|   | Entire Project: | Work for which Firm was Responsible: |
| 2011                                      | \$150K          | \$70K                                |

## TEC Professional Services Questionnaire

### PROJECT NO. 2

**Project Name, Location and Owner's contact information:**

**Faubourg St. John Development Infrastructure Assessments | Covington, LA**

Renaissance Neighborhood Development Corporation  
 4162 Canal St.  
 New Orleans, LA 70119

William Callihan; Development Director  
 504-481-6174

**Nature of Firm's Responsibility:**

Fairway Consulting + Engineering, LLC (Fairway) was the lead Civil Engineer for the development of an approximately 12.5-acre site within incorporated Covington, Louisiana. The site was developed for the construction of eighty (80) single family homes and required an amendment to an existing Planned Unit Development (PUD). The project was unique in the sense that the majority of the civil infrastructure was previously designed and constructed and sat idle for 10+ years.

In order to obtain City approval of the project, one task that Fairway performed included a Sanitary Sewage Evaluation Study (SSES), and evaluation of all subsurface drainage piping. The goal of the investigations were to identify sources of inflow/infiltration into the sewer system, and drainage defects that would restrict stormwater flows. The results of the investigations identified twelve (12) repairs to gravity sewer main piping and manholes, and four (4) repairs to drainage trunk lines that discharge to the retention pond.

The project also included development of roadway patching details for the existing concrete roadway. The repairs were necessitated by the removal of defective drainage piping, as well as installation of new drainage utilities.

Lastly, Fairway performed a hydrologic study of the site to determine the amount of post development runoff for a 25-year storm event. The study considered the existing detention ponds and subsurface drainage piping. In order to comply with City requirements, the outfall control structures required modifications in order for post development runoff to equal pre-development runoff. Hydraulic modeling for a 10-year storm event was also performed in order to validate the design of the subsurface drainage infrastructure. The project was completed under a very aggressive schedule and required close coordination and collaboration with the City, La. Department of Health (LDH), and the La. Dept. of Transportation (LADOTD). The project was completed on schedule and within budget and received unanimous approval by the City's Planning and Zoning (P&Z) Commission.



| <b>Completion Date<br/>(Actual or estimated):</b> | <b>Completion Date<br/>(Actual or estimated):</b> |   |
|---|---|---|
|   | <b>Entire Project:</b>                            | <b>Work for which Firm was Responsible:</b> |
| 2020  | \$14M   | \$79K                                       |

## TEC Professional Services Questionnaire

### PROJECT NO. 3

**Project Name, Location and Owner's contact information:**

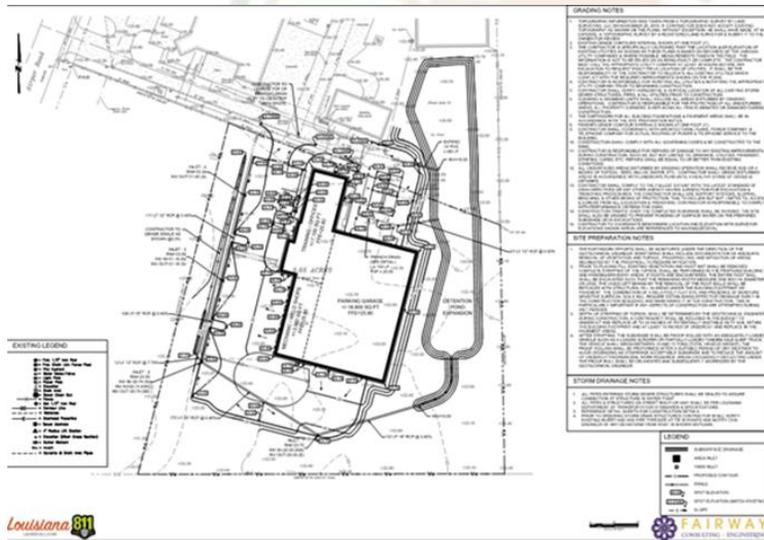
**St. Tammany Parish Mosquito Abatement Civil Engineering Services | Slidell, LA**

St. Tammany Parish Mosquito Abatement  
62512 Airport Rd., Bldg 23  
Slidell, Louisiana 70460

Michael Hunley, Principal Architect (MSH Architects)  
985-898-0303

**Nature of Firm's Responsibility:**

Fairway Consulting + Engineering, LLC (Fairway) is the lead civil engineer responsible for civil improvements associated with an expansion of the St. Tammany Parish Mosquito Abatement facility located off Airport Road in Slidell, Louisiana. Fairway designed all site civil improvements for the 3-acre site inclusive of paving, grading, drainage, and utilities. The improvements are required in order to accommodate the construction of a new 27,000 square foot truck garage, and an expansion to an existing building. Drainage improvements are anticipated to include new subsurface infrastructure as well as an expansion of the existing on-site detention pond. Drainage design criteria includes reducing pre-developed versus post-developed site by 25% for a 2- and 24-hour duration for a 10, 25, 50, and 100-year storm event.



| Completion Date<br>(Actual or estimated): | Completion Date<br>(Actual or estimated): |                                      |
|---|---|--------------------------------------|
|   | Entire Project:                           | Work for which Firm was Responsible: |
| 2021                                      | \$4M                                      | \$20K                                |

## TEC Professional Services Questionnaire

### PROJECT NO. 4

**Project Name, Location and Owner's contact information:**

**Covington Elementary Site Civil Engineering and Pump Station Design | Covington, LA**

St. Tammany Parish School Board  
 321 N. Theard St.  
 Covington, LA 70433

Michael Hunley, Principal Architect (MSH Architects)  
 985-898-0303

**Nature of Firm's Responsibility:**

Fairway Consulting + Engineering, LLC (Fairway) is the lead civil engineer responsible for civil improvements associated with an expansion of the Covington Elementary School located within incorporated City of Covington. Fairway designed all site civil improvements for the 2.7-acre site inclusive of paving, grading, drainage, and utilities. The improvements are required in order to accommodate the construction of a new 29,000 square foot 2-story classroom building that will replace existing modular buildings. The project will also include a new covered walkway and an ADA accessible playground. Drainage improvements include both open channel and closed conduit subsurface piping. All drainage infrastructure was designed for a 10-year storm event.



| <b>Completion Date<br/>(Actual or estimated):</b> | <b>Estimated Cost:</b> |   |
|---|------------------------|---|
|   | <b>Entire Project:</b> | <b>Work for which Firm was Responsible:</b> |
| 2021 (estimated)                                  | \$8.7M                 | \$15K                                       |



## TEC Professional Services Questionnaire

### PROJECT NO. 6

**Project Name, Location and Owner's contact information:**

**TNPRC AIDS SPF Rhesus Monkey Breeding Facility Expansion (JRH1) | Covington, LA**

Tulane National Primate Research Center  
 18703 Three Rivers Road  
 Covington, LA 70433

Michael Hunley, Principal Architect (MSH Architects)  
 985-898-0303

**Nature of Firm's Responsibility:**

Fairway Consulting + Engineering, LLC is providing civil engineering services for the construction of a new housing facility for Rhesus Monkeys at the Tulane National Primate Research Center (TNPRC) located in Covington, Louisiana. The project includes the construction of three (3) new housing facilities totaling approximately 8,200 square feet for the primates. The civil engineering design includes preparation of site, drainage, utility, erosion control and pump station drawings. The most challenging aspect of the civil engineering design includes design of a curbing system for the outdoor cages and adequate site grading to ensure that storm water in contact with primate feces does not enter the existing drainage system and instead is conveyed to the sanitary sewage system. The sanitary sewage system was designed to include an 8-inch gravity sewer main to collect contaminated wash down water within the outdoor and indoor housing areas. The 8-inch gravity main discharges to a new sanitary sewage pump station with 3-inch horizontal non-clog suction lift pumps. A new 4-inch force main approximately 800-feet was designed to discharge to the existing wastewater treatment plant.



| Completion Date<br>(Actual or estimated): | Estimated Cost: |                                      |
|---|-----------------|--------------------------------------|
|   | Entire Project: | Work for which Firm was Responsible: |
| 2021                                      | \$1.5M          | \$20k                                |

## TEC Professional Services Questionnaire

### PROJECT NO. 7

**Project Name, Location and Owner's contact information:**

**Copelands Strip Center Site and Drainage Improvements | Slidell, LA**

Rellim Property Management, LLC  
 P.O. Box 55447  
 Metairie, LA 70055

Martin O. Miller III, President  
 504-616-5700

**Nature of Firm's Responsibility:**

Fairway Consulting + Engineering, LLC (Fairway) was the lead Civil Engineer for planned improvements at the Copeland's Strip Center located on Gause Boulevard in Slidell, Louisiana. The improvements consisted of improvements to the drainage system, paving, parking/traffic circulation, and compliance with the Americans with Disabilities Act (ADA). Fairway designed drainage improvements by performing a hydrologic analysis for an area within the site that frequently had ponding water. The area analyzed was constrained by existing surface features and Fairway had to provide a creative solution to resolve the ponding issue while minimizing disturbance to the existing site features and tenants of the center. The improvements planned included the installation of a trench drain with subsurface drainage pipe and sloped paving to channel the stormwater to the subsurface piping. Parking/traffic circulation improvements consisted of reconfiguring a portion of the site from two-way traffic/parking to one way traffic with angled parking. All paving and parking improvements were designed to be compliant with the American with Disabilities Act (ADA).



| <b>Completion Date<br/>(Actual or estimated):</b> | <b>Estimated Cost:</b> |   |
|---|------------------------|---|
|   | <b>Entire Project:</b> | <b>Work for which Firm was Responsible:</b> |
| Design (2020)<br>Construction (TBD)               | \$450K                 | \$25K                                       |

# TEC Professional Services Questionnaire

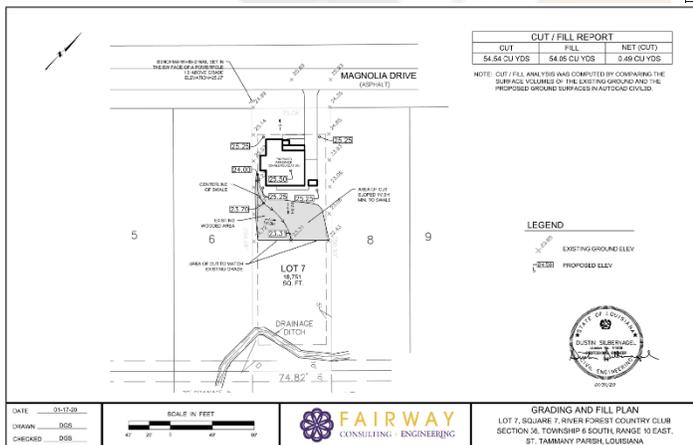
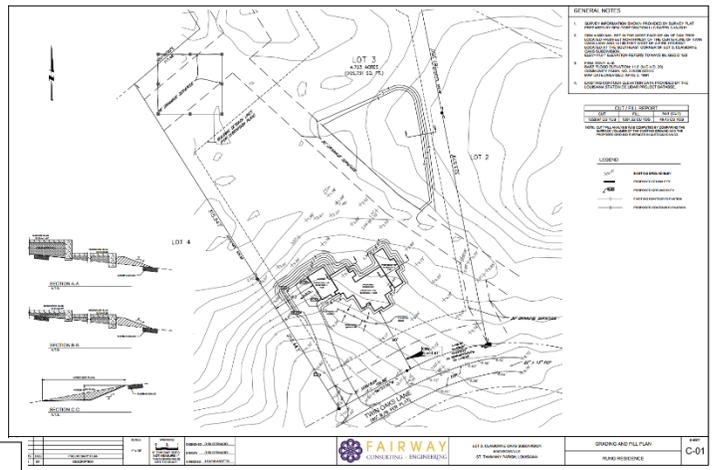
## PROJECT NO. 8

### Project Name, Location and Owner's contact information:

Miscellaneous St. Tammany Parish Drainage Fill Plans | St. Tammany Parish, LA

### Nature of Firm's Responsibility:

Fairway Consulting + Engineering, LLC (Fairway) has developed dozens of drainage and fill plans for residential and commercial developments in St. Tammany Parish for sites ranging in size from 0.25 acres to greater than approximately 3 acres. The fill plans were developed to be compliant with Parish Code and included the design of drainage systems to convey stormwater to either proposed or existing drainage features within the site. Additionally, the plans also summarized the balancing of fill for sites that were within the Parish Special Drainage Districts that had "No Net Fill" requirements.



**Completion Date  
(Actual or estimated):**

Varies/On-going

**Estimated Cost:**

**Entire Project:**

Varies

**Work for which Firm was  
Responsible:**

\$500 to 2.5K

## TEC Professional Services Questionnaire

### PROJECT NO. 9

**Project Name, Location and Owner's contact information:**

**Dynamic Physical Therapy Civil Engineering Services | Westwego, Louisiana**

Greenleaf Lawson Architects, LLC  
 404 E. Gibson Street Suite 1  
 Covington, LA 70433

Logan Pittman, Architect, NCARB  
 985-778-2080

**Nature of Firm's Responsibility:**

Fairway Consulting + Engineering, LLC (Fairway) is the Civil Engineer of Record for the site civil design of the approximately 1.0-acre site. The existing site includes an approximately 10,000 square feet pre-engineered metal building that will be renovated and repurposed as a physical therapy clinic. The site civil design included design of paving, grading, drainage, utilities, and erosion control. Paving design included a new drive through covered patient drop off and parking lot, and reconfiguration of existing parking. The drainage on site was designed with significant consideration given to maintaining existing overland sheet flow while minimizing the use of subsurface drainage pipe. This design proved to be challenging as a result of only minor changes in elevation across the site. Given the use of the site, Americans with Disabilities Act (ADA) considerations had to be carefully reviewed and incorporated into the design.



| Completion Date<br>(Actual or estimated): | Completion Date<br>(Actual or estimated): |                                      |
|---|---|--------------------------------------|
|   | Entire Project:                           | Work for which Firm was Responsible: |
| 2020                                      | \$800K                                    | \$9K                                 |

## TEC Professional Services Questionnaire

### PROJECT NO. 10

**Project Name, Location and Owner's contact information:**

**Abney Elementary Structural and Civil Designs | Slidell, LA**

St. Tammany Parish School Board  
 321 N. Theard St.  
 Covington, Louisiana 70433

Kay St. Amant, Principal Architect (Blitch Knevel Architects)  
 985-898-0303

**Nature of Firm's Responsibility:**

Fairway Consulting + Engineering, LLC provided civil and structural engineering services for two (2) 1,700 square foot classrooms. The structural design included the concrete masonry unit (CMU) block pier and timber framing systems. Fairway designed the subsurface drainage piping and grading of the site to accommodate sheet flow to proposed and existing drainage features. Another aspect of the civil design included the relocation of an existing 6-inch fire water main and hydrant and extensions of two 3-inch domestic water lines to provide potable water service to the new classrooms. The relocations and new piping were laid out on design drawings with supporting details. Fairway also developed a water system flushing, testing, and disinfection specification and witnessed system installation and testing during construction.



**Completion Date  
 (Actual or estimated):**

2020

**Estimated Cost:**

**Entire Project:**

\$750K

**Work for which Firm was  
 Responsible:**

\$20K

## 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: |                        |
| <div style="border: 2px solid purple; border-radius: 15px; padding: 10px; margin: 10px auto; width: 80%;"> <p style="color: purple; font-style: italic;">Fairway Consulting and Engineering, LLC has not been involved in any prior or on-going litigation with Jefferson Parish.</p> </div> |            |                        |
|  |            |                        |

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



Fairway Consulting + Engineering, LLC is a small business headquartered in St. Tammany Parish. We are **certified as part of the Hudson Initiative and Small Emerging Business Programs by Louisiana Economic Development (LED)**. We are Consultants and Engineers with specialties in Engineering Technical Services and Management Consulting (Program and Project Management). Our Engineering Technical Services offering is focused on Civil, Structural, and Environmental Engineering. Fairway is licensed to provide Engineering Services in Louisiana and Mississippi. We also have Professional Engineers registered in both states, as well as in Alabama.

Fairway was founded in August 2018 with the vision of becoming one of the premier Consulting and Engineering firms in southeast Louisiana. Though Fairway is only two (2) years old, we are financially stable, and have successfully executed dozens of projects, many of which are within the greater New Orleans region. Fairway's guiding principles include the following:

1. **Integrity:** We are honest, do what is right, and do what we say we will do.
2. **Quality:** We provide high quality deliverables on time and within budget that meet our Clients' needs while adhering to industry standard best practices and standards of care.
3. **Client Service:** We listen to our clients and provide solutions for their needs while being flexible and making them an integral part of our team.

Fairway's principals and staff all reside in Southeast Louisiana with a combined total of nearly fifty (50) years of experience. We employ engineers, scientist, and technical support staff that pride themselves with providing high quality deliverables while being flexible and responsive to our Clients' needs. Our services cover the entire project lifecycle using the latest available 2D and 3D CAD and Geographic Information System (GIS) software. We have the capability to execute both small (Capital cost < \$10,000) and large projects (> \$1,000,000) projects alike.

RFQ CRITERIA NO. 1 – PROFESSIONAL TRAINING AND EXPERIENCE (35 Points)

Fairway Consulting + Engineering, employs engineers, scientist, and technical support staff that pride themselves with providing high quality deliverables while being flexible and responsive to our Clients' needs. Our services cover the entire project lifecycle using the latest available 2D and 3D

## **TEC Professional Services Questionnaire**

CAD and Geographic Information System (GIS) software. Our full-time, part-time, and contract status employees have specialties in the following practice areas:

1. Project Management
2. Program Management
3. Utilities (Water/Wastewater)
4. Wastewater Treatment
5. Water Treatment/Chemistry
6. Site Civil Engineering
7. Drainage
8. Structural Engineering
9. Mechanical Engineering
10. Hydraulics/Pumping Systems
11. Electrical Engineering
12. Instrumentation and Controls (I&C) Engineering
13. Computer Aided Design (CAD), including 2D, 3D, and Building Information Systems (BIM) designs
14. Geographic Information Systems (GIS)
15. Permitting, including Section 404 and 408
16. Hydrogeology
17. Disaster Response and Recovery



A more detailed listing of services Fairway can provide include the following:

1. Project and program management services for municipal and industrial capital improvement projects.
2. Civil and mechanical engineering for water and wastewater pipelines, pump stations, and treatment facilities.
3. Design of chemical feed systems for water/wastewater treatment facilities
4. Hydrologic studies for design of drainage systems.
5. Site civil design for residential and commercial developments.
6. Roadway design/layout.
7. Structural design of water, wastewater treatment plants.
8. Structural design of residential and commercial buildings inclusive of reinforced concrete foundations, steel and timber framing, and concrete structures.
9. Structural design of structural steel platforms and framing systems for industrial applications.
10. Electrical and instrumentation and controls (I&C) engineering for buildings, water/wastewater, and industrial facilities.
11. Permitting for local, state, and federal agencies (including Section 404 and 408).
12. Development of 2D and 3D designs in AutoCAD, Civil 3D, Revit, Microstation software packages.
13. Hydrogeologic studies and designs for water production, deep injection, and aquifer storage and recovery wells (ASR).
14. Emergency response and recovery.
15. Development of Opinions of Probable Construction Cost (OPCC).

# TEC Professional Services Questionnaire

N. Continued



**Sidney Bazley**  
Director of Water Dept.



## Principles

**John Catalanotto, PE, PMP**  
Principal Engineer/Proj. Mgr

## Lead Engineers

**Dustin Silbernagel, PE**  
Lead Civil Engineer

**Barrett Crook, PE**  
Lead Structural Engineer

**James Hymel, PE**  
Lead Mechanical Engineer

**Harry Hawney, PE**  
Lead Electrical Engineer

## Support Staff

**Mary Sharp,**  
GIS

**Eric Scheuermann**  
Design/Drafting

**Matthew Loker, EI**  
Engineer Intern

**Tiffany Brauner**  
Project Administrator

## Sub Consultants



Surveying



Geotechnical

## **TEC Professional Services Questionnaire**

### **RFQ CRITERIA NO. 2 – CAPACITY FOR TIMELY COMPLETION (20 Points)**

Fairway has the necessary manpower and equipment to deliver complete projects within a reasonable and agreed-upon schedule. Our current workload is under the capacity of our staff. As such, we can mobilize immediately for project execution. We consistently have proven our ability to work rapidly and efficiently to deliver economical projects for our clients.

### **RFQ CRITERIA NO. 3 – LOCATION OF PRINCIPAL OFFICE (15 Points)**



Fairway Consulting and Engineering is located at 403 N. Jefferson Ave. in Covington, LA 70433.

### **RFQ CRITERIA NO. 4 – LITIGATION STATEMENT (15 Points)**

Fairway Consulting + Engineering, LLC has not been involved in any prior litigation with any Clients.

### **RFQ CRITERIA NO. 5 – PRIOR SUCCESSFUL COMPLETION OF PROJECTS (15 Points)**

Engineering Technical services of the firm will be led by Mr. John Catalanotto. Mr. Catalanotto is a registered Professional Engineer and Project Management Professional with over seventeen (17) years of experience in public sector consulting primarily with a focus in wet infrastructure (water, wastewater, drainage). The projects provided within Section L are a representative listing of projects that have been performed by Fairway or self-performed by Mr. Catalanotto. All represent prior successful completion of projects within the public and private sectors.

We invite Jefferson Parish to view the projects presented in this submittal, and contact our clients as noted. The projects noted in each project team member's resume should also serve as evidence of our professional accomplishments in the engineering field.

1. Mike Noto; Deputy CAO; City of Slidell (985-646-4330; [mnoto@cityofslidell.org](mailto:mnoto@cityofslidell.org))
2. Blaine Clancy, PE; City Engineer; City of Slidell (985-646-427); [bclancy@cityofslidell.org](mailto:bclancy@cityofslidell.org))
3. Callie Baker, City Engineer; City of Covington (985-892-1811); [cbaker@covla.com](mailto:cbaker@covla.com))

### **RFQ CRITERIA NO. 6 – SIZE OF FIRM (10 Points)**

Fairway Consulting + Engineering, LLC (Fairway) currently has four (4) full-time staff. We have the capability to execute both small (Capital cost < \$10,000) and large projects (> \$1,000,000) projects alike. For larger projects we access a resource pool of approximately fifteen (15) contract engineers and technical specialist. Fairway's goal is to grow into a five (5) to ten (10) person consulting and engineering firm within the next two (2) to five (5) years.

## **TEC Professional Services Questionnaire**

### **RFQ CRITERIA NO. 7 – PAST PERFORMANCE BY FIRM ON PARISH CONTRACTS (10 Points)**

Mr. John Catalanotto, President of Fairway Consulting and Engineering, has completed several projects with Jefferson Parish during his time with a previous employer. Through execution of these projects, Mr. Catalanotto is intimately familiar with the infrastructure needs, policies, and procedures of the Parish. Projects managed by or self-performed by Mr. Catalanotto for the Jefferson Parish Drainage Department are highlighted in Section L of this SOQ as Project Number 1 Douglas Drive Drainage Improvements. Mr. Catalanotto has also managed or self-performed the design of the following projects with the Jefferson Parish Sewer and Water Departments:



- 1. Waggaman Water Distribution System Improvements**
- 2. East Bank Water Treatment Plant Improvements**
- 3. On-Call Hydraulic Modeling for East and West Bank Water Systems**
- 4. Page and Longfellow Lift Station Improvements**



## TEC Professional Services Questionnaire

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

**Signature:** 

**Print Name:** John Catalanotto, PE

**Title:** President

**Date:** January 26, 2021

BFM Corporation, LLC  
SOQ



## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

### **Routine Engineering Services for Drainage Projects in Jefferson Parish (Supplemental List)**

SOQ 20-21 | Resolution No. 136765

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



**BFM**  
CORPORATION, LLC  
Professional Land & Hydrographic Surveying

**BFM Corporation, LLC**  
15 Veterans Memorial Boulevard  
Kenner LA 70062

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

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

504-468-8800 • 504-460-5239 cell • cpoche@bfmcorporation.com  
Registered Professional Civil Engineer, Louisiana No. 27667 (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**

504-468-8800 • 504-451-7500 cell • ralph@bfmcorporation.com  
Registered Professional Land Surveyor, Louisiana No. 4329 (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                | 3         | Project Managers                       |
| - Construction Inspectors     | - | Landscape Architects              | *         | Clerical ( <i>see Administrative</i> ) |
| - Ecologists                  | - | Mechanical Engineers              | -         | Grant/Funding Specialist               |
| - Electrical Engineers        | * | Land Surveyor ( <i>*see PLS</i> ) | -         | Sanitary Engineers                     |
| - Engineer Intern             | - | Mechanical Engineers              | 4         | Drafting/AutoCADD                      |
| 1 Professional Land Surveyors | - | Environmental Engineers           | 7         | Survey Crew Chiefs                     |
|                               |   |                                   | 4         | Instrument Men                         |
|                               |   |                                   | <b>24</b> | <b>TOTAL</b>                           |

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

**If marked “No”, skip to Section I. If marked “yes”, complete Sections G-H.**

## TEC Professional Services Questionnaire

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

1. **N/A**

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:  
YES \_\_\_\_\_ NO \_\_\_\_\_**

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

| Name & Address: | Specialty: | Worked with Prime Before (Yes or No): |
|-----------------|------------|---------------------------------------|
| 1. <b>N/A</b>   |            |                                       |
| 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:**

**B<sup>2</sup>F<sup>2</sup>M CORPORATION, LLC**  
Professional Land & Hydrographic Surveying

**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

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

**Active registration: Year first registered/discipline:**

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

**Other experience and qualifications relevant to the proposed Project:**

Ralph P. Fontcuberta, Jr., PLS has provided services on an almost incalculable number of surveying projects throughout southeastern Louisiana in the past half century 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.

Projects have included topographic surveying needed for a wide variety of engineering, architectural, construction, and other related endeavors. This work has included projects for numerous branches of virtually every regional city/parish/town government, multiple State agencies, Federal agencies, private/public companies, and numerous other public/private entities.

## 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**.

Relevant project history includes, but is certainly not limited to, the following:

- *Coventry Drainage Pump Stations, Jefferson Parish, LA*
- *Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA*
- *Orleans Village Subdivision Drainage Improvements, Jefferson Parish, LA*
- *Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA*
- *Waggaman Canal Relocation Survey (Jefferson Parish Landfill Sites), Jefferson Parish, LA*
- *Mazoue Ditch Drainage Improvements (Rose Crest Lane to Darby Lane), Jefferson Parish, LA*
- *Mounes Subsurface Drainage - Phase I, Jefferson Parish, LA*
- *Jack & Bores Survey (Drainage Project), Waggaman, Jefferson Parish, LA*
- *Morton & Ingrid Pump Station, Jefferson Parish, LA*
- *Mazoue Ditch Drainage Improvements Phase IV, Jefferson Parish, LA*
- *Paillet-Maplewood Drainage Improvements, Jefferson Parish, LA*
- *Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA*
- *Mazoue Ditch Improvements, Phase I, Jefferson Parish, LA*
- *Emergency Generators at 13 Pump Station Sites, Jefferson Parish, LA*
- *Oakwood/Terrytown Drainage Improvements, Jefferson Parish, LA*
- *Massachusetts Avenue Drainage Improvements, Jefferson Parish, LA*
- *Hoey's Canal Drainage Improvements (Deckbar Ave to Labarre Rd), Jefferson Parish, LA*
- *Woodland West Drainage Improvements - Phase 2A, Vulcan Drive and Telestar Street, Jefferson Parish, LA*
- *Sub-Basin 3 Proposed Improvements (Meadow Street & Myrtle Street), Bunche Village, Jefferson Parish, LA*
- *Avenue D Drainage Improvements, Jefferson Parish, LA*
- *Oakwood Terrytown Drainage Improvements (Carol Sue Drainage Improvements), Jefferson Parish, LA*
- *Mounes Subsurface Drainage (Phase IV, Dickory to Elmwood Park Blvd), Jefferson Parish, LA*
- *Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA*
- *Maplewood & Paillet HMGP, West Bank Subsurface Drainage Improvement Program Ph II, Jefferson Parish, LA*
- *Hillings Ditch/Drolla/Suave Road Drainage Improvements, Jefferson Parish, LA*
- *Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA*
- *Soniat Canal Timber Bulkhead Replacement Route Topographic Survey, Jefferson Parish, LA*
- *Paillet Pump Station Access Road and Drainage Improvements, Jefferson Parish, LA*
- *Westgate Subdivision Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Canal No. 17 Bank Stabilization Phase II, Jefferson Parish, LA*
- *Clearview Drainage Pump Station and St. Peter's Ditch, Jefferson Parish, LA*
- *Jefferson Parish West Bank Subsurface Drainage Improvement Project, Phase II, Bellemeade Boulevard to the Violet Canal Discharge, Jefferson Parish, LA*
- *Hilling Ditch Drainage Improvements, Jefferson Parish, LA*
- *Mason Ditch Drainage Improvements, Jefferson Parish, LA*
- *Hurricane Gustav Drainage Canal Repairs, East Bank, Jefferson Parish, LA*
- *Bannerwood Drainage Improvements, Jefferson Parish, LA*
- *Town of Jean Lafitte Drainage Improvements, Jefferson Parish, LA*
- *17th Street Canal Drainage Improvements, Jefferson/Orleans Parishes, LA*
- *Ames Boulevard Drainage Pump Station Warehouse, Jefferson Parish, LA*
- *West Bank Expressway, Phase I Drainage Map, from Peters Road to Manhattan Boulevard, Jefferson Parish, LA*
- *Drainage Improvements, Woodland West Subdivision, Jefferson Parish, LA*

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

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

**Project Assignment:**

Engineering Liaison

**Name of Firm with which associated:**

**BFM CORPORATION, LLC**  
Professional Land & Hydrographic Surveying

**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

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

**Active registration: Year first registered/discipline:**

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

**Other experience and qualifications relevant to the proposed Project:**

Mr. Poché is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for more than 25 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; 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.

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)*

**Coventry Drainage Pump Stations, Jefferson Parish, LA.** BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from right-of-way to right-of-way along Jefferson Highway, including properties southwest of Jefferson Highway between Coventry Court and Colonial Heights Road. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. (\$89,780 (fee); 2020)

**Mounes Subsurface Drainage (Phase IV, Dickory to Elmwood Park Blvd), Jefferson Parish, LA.** BFM provided topographic surveying services for the project. (\$23,540 (fee); 2017)

**Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA.** BFM prepared a drainage map survey for the project at the Orange Lane Pump Station located in Grand Isle. (\$23,040 (fee); 2020)

**Soniat Canal Timber Bulkhead Replacement Route Topographic Survey, Jefferson Parish, LA.** BFM's services involved a Route Topographic Survey for the project area; this involved the area along Soniat Canal and extended fence line to fence line. BFM established baseline and temporary benchmarks, and located improvements, utilities, trees, and property corners. (In a Route Topographic Survey, the full scope plan & profile includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work.) (\$19,975 (fee); 2020)

**Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA.** BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR, Exhibit B). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. (\$18,350 (fee); 2020)

**Hero Pump Station, Harvey, Jefferson Parish, LA.** BFM provided topographic surveying services for the project. (\$16,380 (fee); 2018)

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

**Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA.** BFM prepared a Route Topographic Survey for Phase 1 of the project, which was located at Elmwood Parkway and Craig Avenue. (\$7,980 (fee); 2020)

**Fulton Street Pump Station, Jefferson Parish, LA.** BFM provided complete boundary and topographic surveying services for the project. (\$11,890 (fee); 2017)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**John Philip Thayer**  
Field Operations Supervisor

**Project Assignment:**

Field Operations Supervisor

**Name of Firm with which associated:**

**BFM CORPORATION, LLC**  
Professional Land & Hydrographic Surveying

**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

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

**Active registration: Year first registered/discipline:**

*Professional Land Surveyor Registration in process, State of Louisiana*

**Other experience and qualifications relevant to the proposed Project:**

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

**Paillet – Maplewood Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying services for the project. (\$89,735 (fee); 2011)

**Coventry Drainage Pump Stations, Jefferson Parish, LA.** BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from right-of-way to right-of-way along Jefferson Highway, including properties southwest of Jefferson Highway between Coventry Court and Colonial Heights Road. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. (\$89,780 (fee); 2020)

**Jack & Bores Survey (Drainage Project), Waggaman, Jefferson Parish, LA.** BFM provided topographic surveying for this project which involved a jack & bores survey along the Union Pacific Railroad in Waggaman for new drainage 420 feet east of Modern Farms Road to 610 feet past Willswood Lane. (\$52,579 (fee); 2011)

## TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

*John Philip Thayer (continued)*

**Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA.** BFM provided topographic surveying services for the pump station and drain line path at the Taft Park Pump Station site. (\$48,719 (fee); 2009)

**Oakwood/Terrytown Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying services for the project. (\$28,821 (fee); 2010)

**Massachusetts Avenue Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying services for the project, which extended from W Napoleon Avenue to Veterans Memorial Boulevard. (\$28,515 (fee); 2009)

**Orleans Village Subdivision Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying services for the Orleans Village Drainage Improvements project, which included Rue Louis Phillippe, Rue Racine, Caddy Drive, and Sauvage Avenue. (\$27,525 (fee); 2011)

**Morton & Ingrid Pump Station, Jefferson Parish, LA.** BFM executed a topographic survey, beginning at the Morton & Ingrid Pump Station, with said survey running along Morton Street to Elizabeth Street then continuing along Elizabeth Street towards West Napoleon Avenue and ending at the Elizabeth Street Pump Station. (\$27,500 (fee); 2012)

**Hoey's Canal Drainage Improvements (Deckbar Ave to Labarre Rd), Jefferson Parish, LA.** BFM provided topographic surveying services for the project. (\$27,152 (fee); 2011)

**Drainage Pump Station, Veterans North & South, Right-of-Way, 17th Street Canal, Jefferson Parish, LA.** BFM prepared a topographic survey (with right of way & underground utilities locations) for this proposed pump station project. (\$26,540 (fee); 2014)

**Mounes Subsurface Drainage – Phase I, Jefferson Parish, LA.** BFM provided all requested topographic surveying services for Phase I of the Mounes Subsurface Drainage project, which extended from Dickory to Elmwood Park Boulevard). (\$26,240 (fee); 2017)

**Marlin Court Drainage Project, Jefferson Parish, LA.** BFM provided topographic surveying services for the project. (\$26,235 (fee); 2010)

**Woodland West Drainage Improvements - Phase 2A, Vulcan Drive and Telestar Street, Jefferson Parish, LA.** BFM provided surveying services for the project. (\$25,949 (fee); 2009)

**Sub-Basin 3 Proposed Improvements (Meadow Street & Myrtle Street), Bunche Village, Jefferson Parish, LA.** BFM provided topographic surveying services for the project. (\$25,859 (fee); 2010)

**Avenue D Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying for the project. (SP 576-26-0028) (\$25,195 (fee); 2009)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Gary J. Lambert, Jr., LSI**  
Project Manager/Drafting Supervisor

**Project Assignment:**

Project Manager/Drafting Supervisor

**Name of Firm with which associated:**

**BFM CORPORATION, LLC**  
Professional Land & Hydrographic Surveying

**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

B.S., 2018, Geomatics, Nicholls State University  
B.S., 2014, Construction Management, Louisiana State University

**Active registration: Year first registered/discipline:**

2019, Survey Intern, Louisiana, LSI.0000694

**Other experience and qualifications relevant to the proposed Project:**

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).

**Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA.** BFM prepared a drainage map survey for the project at the Orange Lane Pump Station located in Grand Isle. (\$23,040 (fee); 2020)

**Coventry Drainage Pump Stations, Jefferson Parish, LA.** BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from right-of-way to right-of-way along Jefferson Highway, including properties southwest of Jefferson Highway between Coventry Court and Colonial Heights Road. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. (\$89,780 (fee); 2020)

**Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA.** BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR, Exhibit B). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to

## TEC Professional Services Questionnaire

### Other experience and qualifications relevant to the proposed Project:

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

perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. (\$18,350 (fee); 2020)

**Soniat Canal Timber Bulkhead Replacement Route Topographic Survey, Jefferson Parish, LA.** BFM's services involved a Route Topographic Survey for the project area; this involved the area along Soniat Canal and extended fence line to fence line. BFM established baseline and temporary benchmarks, and located improvements, utilities, trees, and property corners. (In a Route Topographic Survey, the full scope plan & profile includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work.) (\$19,975 (fee); 2020)

**Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA.** BFM prepared a Route Topographic Survey for Phase 1 of the project, which was located at Elmwood Parkway and Craig Avenue. (\$7,980 (fee); 2020)

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

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

**Holly Drive Drainage Project, Lewisburg Estates Subdivision, Mandeville, St. Tammany Parish, LA.** BFM provided boundary with topographic surveying of the project site (multiple lots) in the Lewisburg Estates Subdivision for the drainage project. (\$13,392 (fee); 2019)

**Splash Park Area Drainage Servitude Creation, Sewerage & Water Board, City of New Orleans, LA.** BFM provided surveying services for the Splash Park area (Sewerage & Water Board services). Scope included plotting the location of a proposed drainage sewer servitude and writing a legal description depicting said servitude. BFM located existing sanitary sewer structures within the proposed servitude, which were plotted using GPS coordinate data provided by City Park. (\$680 (fee); 2018)

**Brewster Road Subsurface Drainage Improvements and Proposed Detention Pond, St. Tammany Parish, LA.** BFM provided multiple surveying services (including Route Topographic, Right-of-Way, Drainage Study, Property Acquisition) for the Brewster Road Subsurface Drainage Improvements and Proposed Detention Pond in St. Tammany Parish. The Limits of Survey included the area of Brewster Road between LA HWY 1077 and LA HWY 21; BFM provided Temporary Benchmarks, location of all improvements (natural and man-made) and utilities (including drainage, sewer, and water structures), and coordination with State and Local agencies. BFM took cross-sections at 100 ft. intervals and property corners along the route to determine rights-of-way. (\$203,320 (fee); 2020)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Christopher Lemley**  
Quality Control Supervisor/Survey Crew Chief

**Project Assignment:**

Quality Control Supervisor

**Name of Firm with which associated:**



**Years experience with this Firm:**

7 years (joined BFM in 2014); 15 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 services a 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. Notable past project work has included the New Orleans Museum of Art, Jackson Barracks Restoration, US Highway 11, NASA Michoud Cells 3 & 4, the St. Bernard Lot Next Door Program, and multiple Orleans Parish School Recovery projects (including L.B. Landry, George Washington Carver, and Alice M. Harte schools).

**Waggaman Canal Relocation Survey (Jefferson Parish Landfill Sites), Jefferson Parish, LA.** BFM Corporation was contracted to provide boundary, right-of-way, and topographic surveying services for the project site. Location of improvements were plotted within the designated limits of the survey; this included buildings, fences, light standards, traffic control devices, signage, structures, pavement, and other topographic features. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey. (\$19,940 (fee); 2016)

**Taft Park Drainage Pump Station, Jefferson Parish, LA.** BFM executed surveying services involving location & elevations of the drainage structures for monitoring of the Taft Park Pump Station. The survey was from 33rd Street (Vernon Street) to West Napoleon Avenue. (\$1,000 (fee); 2015)

## TEC Professional Services Questionnaire

### Other experience and qualifications relevant to the proposed Project:

*Christopher Lemley (continued)*

**Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA.** BFM provided all surveying as instructed by the project engineer. (\$11,905 (fee); 2016)

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

**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)

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

**Manson Ditch (ICRR Ditch) Survey, Jefferson Parish, LA.** BFM provided topographic surveying services for the Manson Ditch (ICRR ditch), which extended from Kaye Street to Arnoult Road. (\$9,995 (fee); 2017)

**Parish Line Pump Station No. 5, Kenner, Jefferson Parish, LA.** BFM's surveying services included setting control points (recover existing control references) and verification of existing control (horizontal & vertical values on new control points). (\$2,175 (fee), 2018)

**Mounes Subsurface Drainage – Phase I, Jefferson Parish, LA.** BFM provided all requested topographic surveying services for Phase I of the Mounes Subsurface Drainage project, which extended from Dickory to Elmwood Park Boulevard). (\$26,240 (fee); 2017)

**25th Street & Adjacent Canal, Gretna, Jefferson Parish, LA.** BFM provided cross section surveying and a limited drainage survey for the project. (\$2,925 (fee); 2017)

**Coventry Drainage Pump Stations, Jefferson Parish, LA.** BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from right-of-way to right-of-way along Jefferson Highway, including properties southwest of Jefferson Highway between Coventry Court and Colonial Heights Road. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. (\$89,780 (fee); 2020)

**Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA.** BFM prepared a Route Topographic Survey for Phase 1 of the project, which was located at Elmwood Parkway and Craig Avenue. (\$7,980 (fee); 2020)

## 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:**



**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*

**Active registration: Year first registered/discipline:**

N/A

**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. He has multiple ATSSA (American Traffic Safety Service Association) certifications (including Traffic Control Technician, Traffic Control Supervisor, and Traffic Flagger), and has completed the Basic OSHA Training Course. He is also TWIC (Transportation Work Identification Card) certified.

**Westwego Drainage Pump Station No. 1, Jefferson Parish, LA.** BFM provided all topographic surveying services (including vertical control) for the project. (\$4,725 (fee); 2018)

**Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA.** BFM prepared a Route Topographic Survey for Phase 1 of the project, which was located at Elmwood Parkway and Craig Avenue. (\$7,980 (fee); 2020)

**Mounes Subsurface Drainage (Phase IV, Dickory to Elmwood Park Blvd), Jefferson Parish, LA.** BFM provided topographic surveying services for the project. (\$23,540 (fee); 2017)

**Massachusetts Avenue Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying services for the project, which extended from W Napoleon Avenue to Veterans Memorial Boulevard. (\$28,515 (fee); 2009)

## 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:**

31 years (joined BFM in 1991); 31 years total (1991)

**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. Barrios' surveying experience includes boundary, hydrographic, and topographic. He has worked on location and performed topographic surveys for a number of large capital projects. Further, Mr. Barrios has been involved on major transmission projects for Entergy and South Central Bell (AT&T). He is American Traffic Safety Service Association certified as a Traffic Flagger, and is Transportation Work Identification Card (TWIC) certified.

**Waggaman Canal Relocation Survey (Jefferson Parish Landfill Sites), Jefferson Parish, LA.** BFM Corporation was contracted to provide boundary, right-of-way, and topographic surveying services for the project site. Location of improvements were plotted within the designated limits of the survey; this included buildings, fences, light standards, traffic control devices, signage, structures, pavement, and other topographic features. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey. (\$19,940 (fee); 2016)

**Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA.** BFM prepared a drainage map survey for the project at the Orange Lane Pump Station located in Grand Isle. (\$23,040 (fee); 2020)

**Jack & Bores Survey (Drainage Project), Waggaman, Jefferson Parish, LA.** BFM provided topographic surveying for this project which involved a jack & bores survey along the Union Pacific Railroad in Waggaman for new drainage 420 feet east of Modern Farms Road to 610 feet past Willswood Lane. (\$52,579 (fee); 2011)

## 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:**



**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*

**Active registration: Year first registered/discipline:**

N/A

**Other experience and qualifications relevant to the proposed Project:**

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

**Coventry Drainage Pump Stations, Jefferson Parish, LA.** BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from right-of-way to right-of-way along Jefferson Highway, including properties southwest of Jefferson Highway between Coventry Court and Colonial Heights Road. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. (\$89,780 (fee); 2020)

**Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA.** BFM prepared a drainage map survey for the project at the Orange Lane Pump Station located in Grand Isle. (\$23,040 (fee); 2020)

**Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA.** BFM prepared a Route Topographic Survey for Phase 1 of the project, which was located at Elmwood Parkway and Craig Avenue. (\$7,980 (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:**

10 years (joined BFM in 2011); 30 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/survey technician, having started his career as an intern with the Surveying Department of the City of Plano, Texas. 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.

**Mounes Subsurface Drainage – Phase I, Jefferson Parish, LA.** BFM provided all requested topographic surveying services for Phase I of the Mounes Subsurface Drainage project, which extended from Dickory to Elmwood Park Boulevard). (\$26,240 (fee); 2017)

**Morton & Ingrid Pump Station, Jefferson Parish, LA.** BFM executed a topographic survey, beginning at the Morton & Ingrid Pump Station, with said survey running along Morton Street to Elizabeth Street then continuing along Elizabeth Street towards West Napoleon Avenue and ending at the Elizabeth Street Pump Station. (\$27,500 (fee); 2012)

**Drainage Pump Station, Veterans North & South, Right-of-Way, 17th Street Canal, Jefferson Parish, LA.** BFM prepared a topographic survey (with right of way & underground utilities locations) for this proposed pump station project. (\$26,540 (fee); 2014)

## 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:**



**Years experience with this Firm:**

3 years (joined BFM in 2018); 6 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:**

Ms. Clements college work resulted in a GPA of 4.0, earning her Valedictorian status. She also was the recipient of the Highest Honors and Perfect Attendance Awards.

**Coventry Drainage Pump Stations, Jefferson Parish, LA.** BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from right-of-way to right-of-way along Jefferson Highway, including properties southwest of Jefferson Highway between Coventry Court and Colonial Heights Road. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. (\$89,780 (fee); 2020)

**Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA.** BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR, Exhibit B). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. (\$18,350 (fee); 2020)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Kevin A. Roberts**  
CADD Technician

**Project Assignment:**

CADD Technician

**Name of Firm with which associated:**

**BFM CORPORATION, LLC**  
Professional Land & Hydrographic Surveying

**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

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

**Active registration: Year first registered/discipline:**

NA

**Other experience and qualifications relevant to the proposed Project:**

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

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

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

**Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA.** BFM prepared a Route Topographic Survey for Phase 1 of the project, which was located at Elmwood Parkway and Craig Avenue. (\$7,980 (fee); 2020)

## 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:**

12 years (joined BFM in 2009); 24 years total (1997)

**Education: Degree(s)/Year/Specialization:**

A.D., 1999, Computer-Aided Drafting, Southeast College of Technology  
Certificate, 2003, Introduction to ArcGIS, Louisiana State University

**Active registration: Year first registered/discipline:**

NA

**Other experience and qualifications relevant to the proposed Project:**

**Coventry Drainage Pump Stations, Jefferson Parish, LA.** BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from right-of-way to right-of-way along Jefferson Highway, including properties southwest of Jefferson Highway between Coventry Court and Colonial Heights Road. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. (\$89,780 (fee); 2020)

**Gulizo Canal Drainage Improvements, Jefferson Parish, LA.** BFM provided surveying services for the Gulizo Canal Drainage Improvements project, which extended from Eighty Arpent Road to Ames Boulevard. (\$6,447 (fee); 2010)

**Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA.** BFM prepared a Route Topographic Survey for Phase 1 of the project, which was located at Elmwood Parkway and Craig Avenue. (\$7,980 (fee); 2020)

**Mary Ridge Court, Jefferson Parish, LA.** BFM provided topographic surveying services for the Mary Ridge Court project, which extended from Tudor Avenue to the cul de sac. (\$5,436 (fee); 2017)

## TEC Professional Services Questionnaire

**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

| Project Name, Location, and Owner's Contact Information:  | Nature of Firm's Responsibility:  |                                      |
|---|---|--------------------------------------|
| <p><b>Coventry Drainage Pump Stations</b>,<br/>Jefferson Parish, Louisiana</p> <p><b>ECM Consultants, Inc.</b><br/>1301 Clearview Pkwy Ste 200<br/>Metairie LA 70001</p> <p><b>Sunina Shrestha</b>, 504-885-4080<br/>SShrestha@ecmconsultants.com</p> | <p>BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from right-of-way to right-of-way along Jefferson Highway, including properties southwest of Jefferson Highway between Coventry Court and Colonial Heights Road. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge.</p> |                                      |
| <b>Completion Date (Actual or estimated):</b>   | Estimated Cost:   |                                      |
|   | Entire Project:   | Work for which Firm was Responsible: |
| 2020  | N/A   | \$89,780 (fee)                       |

### PROJECT NO. 2

| Project Name, Location, and Owner's Contact Information:  | Nature of Firm's Responsibility:   |                                      |
|---|--|--------------------------------------|
| <p><b>Metairie Road Drainage Evaluation</b>,<br/>Metairie, Jefferson Parish, Louisiana</p> <p><b>GEC, Inc.</b><br/>3445 N Causeway Blvd Ste 401<br/>Metairie LA 70002-3779</p> <p><b>Jerome Lohmann</b>, 504-207-6926<br/>jlohmann@gecinc.com</p> | <p>BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR, Exhibit B). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope.</p> |                                      |
| <b>Completion Date (Actual or estimated):</b>   | Estimated Cost:  |                                      |
|   | Entire Project:  | Work for which Firm was Responsible: |
| 2020  | N/A  | \$18,350 (fee)                       |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 3</b>  |  |   |
|---|--|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Orleans Village Subdivision Drainage Improvements</b>, Jefferson Parish, Louisiana</p> <p><b>Principal Engineering, Inc.</b><br/>1011 N Causeway Blvd, Suite 19<br/>Mandeville LA 70471</p> <p><b>André C. Monnot</b>, 985-624-5001<br/>andre@principal-engineering.com</p> | <p>BFM provided topographic surveying services for the Orleans Village Drainage Improvements project, which included Rue Louis Phillippe, Rue Racine, Caddy Drive, and Sauvage Avenue.</p> |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| 2011  | N/A  | \$27,525 (fee)                              |

| <b>PROJECT NO. 4</b>   |   |   |
|--|---|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Avenue D Drainage Improvements (Phase VIII: Allo Street)</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Hartman Engineering, Inc.</b><br/>16563 Airline Hwy Ste A&amp;B<br/>Prairieville LA 70769</p> <p><b>Jared Monceaux, P.E.</b>, 225-313-4617<br/>jmonceaux@harteng.com</p> | <p>BFM executed a Route Topographic Survey for the project; the full scope plan &amp; profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area (Allo Street) extended from 4th Street to 6th Street.</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2019   | N/A   | \$12,855 (fee)                              |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 5</b>  |   |   |
|---|---|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>   | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>CDMSmith</b><br/>1515 Poydras St Ste 1000<br/>New Orleans LA 70112</p> <p><b>Jenny Bywater, P.E.</b>, 504-799-1168<br/>bywaterje@cdmsmith.com</p> | <p>BFM Corporation was contracted to provide boundary, right-of-way, and topographic surveying services for the project site. Location of improvements were plotted within the designated limits of the survey; this included buildings, fences, light standards, traffic control devices, signage, structures, pavement, and other topographic features. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey.</p> |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>  |   |
|   | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2016  | N/A   | \$19,940 (fee)                              |

| <b>PROJECT NO. 6</b>  |  |   |
|---|--|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Mazoue Ditch Drainage Improvements (Rose Crest Lane to Darby Lane)</b>,<br/>Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish<br/>Department of Drainage</b><br/>1221 Elmwood Park Blvd Ste 907<br/>Jefferson LA 70123</p> <p><b>Mitchell T. Theriot, P.E., Director</b>,<br/>504-736-6751<br/>JPDrainage@jeffparish.net</p> | <p>BFM executed all necessary surveying services for the Mazoue Ditch Drainage Improvements project as noted; this was Phase III of DPW 93-010C-DR and Phase II of SP 576-26-0029. The project involved Mazoue Ditch Sheet Pile Locations.</p> |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| 2011  | N/A  | \$11,500 (fee)                              |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 7</b>   |   |   |
|--|---|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Mounes Subsurface Drainage – Phase I,</b><br/>Jefferson Parish, Louisiana</p> <p><b>CB&amp;I</b><br/>2424 Edenborn Avenue Suite 450<br/>Metairie LA 70001</p> <p><b>Gene S. Gillen, P.E.,</b> 504-832-4881<br/>gene.gillen@cbi.com</p> | <p>BFM provided all requested topographic surveying services for Phase I of the Mounes Subsurface Drainage project, which extended from Dickory to Elmwood Park Boulevard).</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2017   | N/A   | \$26,240 (fee)                              |

| <b>PROJECT NO. 8</b>   |   |   |
|--|---|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Jack &amp; Bores Survey (Drainage Project),</b><br/>Waggaman, Jefferson Parish, Louisiana</p> <p><b>Principal Engineering, Inc.</b><br/>1011 N Causeway Blvd, Suite 19<br/>Mandeville LA 70471</p> <p><b>André C. Monnot,</b> 985-624-5001<br/>andre@principal-engineering.com</p> | <p>BFM provided topographic surveying for this project which involved a jack &amp; bores survey along the Union Pacific Railroad in Waggaman for new drainage 420 feet east of Modern Farms Road to 610 feet past Willswood Lane.</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2011   | N/A   | \$52,579 (fee)                              |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 9</b>   |   |   |
|--|---|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Morton &amp; Ingrid Pump Station,</b><br/>Jefferson Parish, Louisiana</p> <p><b>Principal Engineering, Inc.</b><br/>1011 N Causeway Blvd, Suite 19<br/>Mandeville LA 70471</p> <p><b>André C. Monnot,</b> 985-624-5001<br/>andre@principal-engineering.com</p> | <p>BFM executed a topographic survey, beginning at the Morton &amp; Ingrid Pump Station, running along Morton St to Elizabeth St then continuing along Elizabeth Street towards West Napoleon Avenue and ending at the Elizabeth Street Pump Station.</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2012   | N/A   | \$27,500 (fee)                              |

| <b>PROJECT NO. 10</b>  |   |   |
|--|---|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Mazoue Ditch Drainage Improvements Phase IV,</b> Jefferson Parish, Louisiana</p> <p><b>MDI Construction</b><br/>Post Office Box 23237<br/>New Orleans LA 70183</p> <p><b>John Desselle,</b> 504-232-4772</p> | <p>BFM provided surveying services for the Mazoue Ditch Drainage Improvement project, which included the area from Rosecrest Lane to Carriage Lane. (State Project 576-26-0029 (333) Phase III; Jefferson Parish Public Works Project 93-010D-DR)</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2010   | N/A   | \$12,848 (fee)                              |

## TEC Professional Services Questionnaire

**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

| Parties:   |  | Status/Result of Case: |
|------------|--|------------------------|
| Plaintiff: | Defendant:   |                        |
| 1.         | <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;"><i>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i></p> </div> |                        |
| 2.         |  |                        |
| 3.         |  |                        |
| 4.         |  |                        |

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

# **BFM CORPORATION, LLC**

**Professional Land & Hydrographic Surveying**

### PROFESSIONAL TRAINING AND EXPERIENCE

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

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

Our capabilities include the following and more:

- **Topographic Surveys** (*determine relative positions & elevations of natural & man-made features*)
- **Drone Surveying** (*detailed multi-acre data-capturing surveying*)
- **Bathymetric / Hydrographic Surveys** (*determine shoreline and depths of bodies of water*)
- **Property, Boundary, and Right-of-Way Surveys** (*preparation of Legal Descriptions, property, and ROW maps to define project boundaries and for acquisition of property*)

## TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

### PERSONNEL

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

## TEC Professional Services Questionnaire

N. continued.

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.

### SIZE OF FIRM & ABILITY TO MEET PROJECT DEADLINES

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.

### EXPERIENCE WITH JEFFERSON PARISH

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

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

An overview of our project work would include, but certainly not be limited to, the following:

- *Coventry Drainage Pump Stations, Jefferson Parish, LA*
- *Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA*
- *Orleans Village Subdivision Drainage Improvements, Jefferson Parish, LA*
- *Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA*
- *Waggaman Canal Relocation Survey (Jefferson Parish Landfill Sites), Jefferson Parish, LA*
- *Mazoue Ditch Drainage Improvements (Rose Crest Lane to Darby Lane), Jefferson Parish, LA*
- *Mounes Subsurface Drainage - Phase I, Jefferson Parish, LA*
- *Mazoue Ditch Drainage Improvements Phase IV, Jefferson Parish, LA*
- *Paillet - Maplewood Drainage Improvements, Jefferson Parish, LA*
- *Mazoue Ditch Improvements, Phase I, Jefferson Parish, LA*
- *Emergency Generators at 13 Pump Station Sites, Jefferson Parish, LA*
- *Massachusetts Avenue Drainage Improvements, Jefferson Parish, LA*
- *Hoey's Canal Drainage Improvements (Deckbar Ave to Labarre Rd), Jefferson Parish, LA*
- *Drainage Pump Station, Veterans North & South, Right-of-Way, 17th Street Canal, Jefferson Parish, LA*
- *Avenue D Drainage Improvements, Jefferson Parish, LA*
- *Mounes Subsurface Drainage (Phase IV, Dickory to Elmwood Park Blvd), Jefferson Parish, LA*
- *Hillings Ditch/Drolla/Suave Road Drainage Improvements, Jefferson Parish, LA*

## TEC Professional Services Questionnaire

**N. continued.**

- *Soniat Canal Timber Bulkhead Replacement Route Topographic Survey, Jefferson Parish, LA*
- *Westgate Subdivision Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Canal No. 17 Bank Stabilization Phase II, Jefferson Parish, LA*
- *Clearview Drainage Pump Station and St. Peter's Ditch, Jefferson Parish, LA*
- *Johnson Street Drainage Improvements (Phases I & II), Jefferson Parish, LA*
- *Hero Pump Station, Harvey, Jefferson Parish, LA*
- *Hilling Ditch Drainage Improvements, Jefferson Parish, LA*
- *Hurricane Gustav Drainage Canal Repairs, East Bank, Jefferson Parish, LA*
- *Bannerwood Drainage Improvements, Jefferson Parish, LA*
- *Drainage Improvements to the Canal No. 2 Culvert Crossing at California Avenue, Jefferson Parish, LA*
- *Kawanee Drive Drainage Improvements, Jefferson Parish, LA*
- *Breaux Ditch Improvements, East Ames Boulevard - Leo Kenner Parkway, Jefferson Parish, LA*
- *Manson Ditch (ICRR Ditch) Survey, Jefferson Parish, LA*
- *Drainage Improvements, Metairie Lawn to Labarre Drive, Jefferson Parish, LA*
- *Earhart and Clearview Interchange Drainage Study, Jefferson Parish, LA*
- *Hickory Drainage Study, Jefferson Parish, LA*
- *Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA*
- *Crown Point Drainage Flood Control Structures, Jefferson Parish, LA*

### **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.

### **PAST PERFORMANCE ON PUBLIC CONTRACTS / REFERENCES**

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

**Mark R. Drewes, P.E., Director, Jefferson Parish Department of Public Works**  
504-736-6783; mdrewes@jeffparish.net

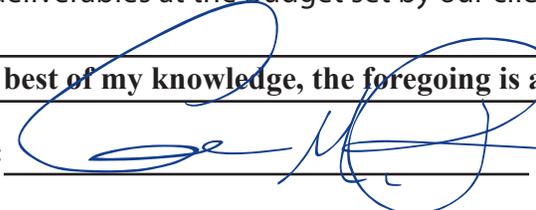
**Tom Schreiner, Deputy CAO Public Works & Capital Projects, City of Kenner**  
504-468-7515; tschreiner@kenner.la.us

**David Taylor, Jefferson Parish School Board Facilities Department**  
504-349-8595; david.taylor@jppss.k12.la.us

**Keith J. LaGrange, Director, City of New Orleans Department of Public Works**  
504-658-8000; Keith.Lagrange@nola.gov

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

**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: January 15, 2021

Gulf South Engineering  
and Testing, Inc.  
SOQ



**FAIRWAY**  
CONSULTING + ENGINEERING

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

### **Routine Engineering Services for Drainage Projects in Jefferson Parish (Supplemental List)**

SOQ 20-21 | Resolution No. 136765

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



**Gulf South Engineering and Testing, Inc.**

15 Veterans Memorial Boulevard

Kenner LA 70062

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

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

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:**

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

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

**28\* TOTAL**

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

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

## TEC Professional Services Questionnaire

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

1. N/A

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:  
YES \_\_\_\_\_ NO \_\_\_\_\_**

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

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

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

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

## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e., résumé) that demonstrates the employment history of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Chad M. Poché, P.E.**  
Vice-President

**Project Assignment:**

Engineering Manager; Geotechnical Engineer

**Name of Firm with which associated:**



**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

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

**Active registration: Year first registered/discipline:**

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

**Other experience and qualifications relevant to the proposed Project:**

Mr. Poché is the Vice President, co-founder, and partner in Gulf South. He has been a consulting geotechnical engineer for 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.

## TEC Professional Services Questionnaire

### Other experience and qualifications relevant to the proposed Project:

*Chad M. Poché, P.E. (continued)*

**N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA.** Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$50,000 (fee); ongoing)

**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); ongoing)

**Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, 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. (\$10,000 (fee); 2019)

**Citrus Road and Greg Court Subsurface Drainage Improvements, 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. (\$20,000 (fee); 2019)

**St. Peter's Ditch – Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA.** Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$110,000 (fee); 2016)

**Parish Line Drainage Pump Station Improvements – Phase I, City of Kenner, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction of a new pump station in Jefferson Parish, Louisiana. Scope of services consisted of vibration monitoring, timber pile inspection at the site and during installation, performance of a pile load test, earthwork, and concrete testing & inspection. (\$10,000 (fee); 2018)

**Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA.** Project consisted of the construction of new below grade drainage features and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$7,000 (fee); 2016)

## 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:****Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

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

**Active registration: Year first registered/discipline:**

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

**Other experience and qualifications relevant to the proposed Project:**

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

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

**Parish Line Drainage Pump Station Improvements – Phase I, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction of a new pump station in Jefferson Parish. Scope of services consisted of vibration monitoring, timber pile inspection at the site and during installation, performance of a pile load test, earthwork, and concrete testing & inspection. (\$10,000 (fee); 2018)

## TEC Professional Services Questionnaire

### Other experience and qualifications relevant to the proposed Project:

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

**Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA.** Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations. (\$8,500 (fee); 2017)

**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); ongoing)

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

**St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during the improvements of drainage at LA 3152 and LA 3139 (Phase 3C), including vibration monitoring. (\$25,000 (fee); 2015)

**Taft Park Drainage Improvements, Jefferson Parish, LA.** Perform inspection and testing during construction of various drainage improvements at Taft Park. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. (\$25,000 (fee); 2015)

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

**Submerged Roads Program - Phase 3, Metairie, Jefferson Parish, LA.** Perform asphalt and roadway testing and inspection as requested. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. Gulf South also provided asphalt batch plant inspection. (\$10,000 (fee); 2016)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Joseph H. "Trey" Binder, III**  
Laboratory Manager

**Project Assignment:**

Laboratory Manager; Laboratory Technician

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

10 years with this firm (2011); 15 years total (2006)

**Education: Degree(s)/Year/Specialization:**

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

**Active registration: Year first registered/discipline:**

N/A

**Other experience and qualifications relevant to the proposed Project:**

Mr. Binder has direct experience with field and laboratory testing services, and is NICET certified in multiple disciplines, including Construction Materials Testing Soils, Geotechnical Engineering Technologies Exploration, and Geotechnical Engineering Technologies Laboratory (Level I). Mr. Binder has HAZMAT Awareness and Operations Training.

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

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.

**Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA.** Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations. (\$8,000 (fee); 2015)

## TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

*Joseph H. Binder, III (continued)*

**Drainage Improvement to North Sibley Drive at West Napoleon Avenue, Metairie, Jefferson Parish, LA.**

Gulf South executed a geotechnical investigation for new below grade wet well, approx. 15 - 20 feet deep. Drilled one boring to 80 feet at site and provide laboratory testing and geotechnical engineering analyses (soil bearing values, bedding, and backfill, pile capacities, settlement, construction recommendations, etc.). (\$4,500 (fee); 2012)

**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); ongoing)

**Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA.**

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

**Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA.**

Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. (\$8,500 (fee); 2015)

**David Dr. Drainage Improvements (W. Esplanade Avenue to Bruin Drive), Jefferson Parish, LA.**

Geotechnical investigation for the reconstruction of David Drive and the construction of drainage improvements (approx. 3000 ft.) along David Drive from W. Esplanade Avenue to Bruin Drive in Metairie. Gulf South's scope includes drilling four soil borings each to a depth of 20 feet, lab testing, and geotechnical engineering analysis including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, pavement design recommendations, and general construction recommendations. (\$7,500 (fee); 2015)

**Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA.**

Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations. (\$8,500 (fee); 2017)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

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

**Project Assignment:**

Graduate Engineer

**Name of Firm with which associated:**



**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

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

**Active registration: Year first registered/discipline:**

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

**Other experience and qualifications relevant to the proposed Project:**

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

- Society of Women Engineers
- American Society of Civil Engineers

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

**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); ongoing)

## TEC Professional Services Questionnaire

### Other experience and qualifications relevant to the proposed Project:

*Sarah E. Lockwood (continued)*

**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); ongoing)

**Soniat Canal Stabilization, Harahan, Jefferson Parish, LA.** Geotechnical engineering services for the construction of the stabilization of the east bank of Soniat Canal for approximately 1,700 linear feet in Harahan, LA. Gulf South's scope includes drilling three undisturbed soil borings to depths of 50 feet below the ground surface, laboratory testing, engineering analyses (slope stability analysis) and general construction procedures and recommendations. (\$10,000 (fee); 2020)

**Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA.** Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2020)

**New Roads and Ponds, Bellegrove Square Development, Baton Rouge, East Baton Rouge Parish, LA.** Geotechnical engineering services for the construction of new paved roads and pond area for a future residential development off Burbank Drive in Baton Rouge, LA. Gulf South's scope includes drilling eight undisturbed soil borings to depths of 40 feet and 8 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,750 (fee); 2019)

**New Sidewalks and Drainage (LA SAFE Project), LaPlace, St. John the Baptist Parish, LA.** Geotechnical engineering services as part of the LA SAFE program consisted of new sidewalks and drainage along Airline Highway and Main Street in LaPlace, LA. Gulf South's scope includes drilling 12 undisturbed soil borings to depths of 10 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$12,000 (fee); 2020)

**Upper Barataria Risk Reduction Project, Lafourche Basin Levee District (LBLD), Lafourche Parish, LA.** Geotechnical investigation for a flood protection project in Lafourche Parish, LA. Project consists of a new earthen levee (totaling approx. 8.8 to 9 miles or 47,000 lf) and control structure. Gulf South's scope includes drilling three undisturbed soil borings to depths of 60 feet (1 boring in canal and 1 boring on land), 200 feet (1 boring in shallow water) and performing five CPT probes to 60 feet below apparent mud line, lab testing (with 1-D Consoles), and engineering analyses including site/soil characterization, slope stability analyses, unbalance forces for structures, allowable pile load capacities, estimates of settlement, and general construction recommendations. (\$100,000 (fee); ongoing)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Ross L. White**  
Soil Boring Driller

**Project Assignment:**

Soil Boring Driller

**Name of Firm with which associated:**



**Years experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

High School Diploma

**Active registration: Year first registered/discipline:**

N/A

**Other experience and qualifications relevant to the proposed Project:**

Mr. White provides Driller services for Gulf South, having joined the firm in 2018.

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

**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); ongoing)

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

**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); ongoing)

## TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

*Ross L. White (continued)*

**Roadway Rehabilitation and Drainage Improvements, McClellan Street (Area A), City of New Orleans, LA.** Soil boring investigation for construction of a new roadway and drainage improvements at the Jackson Barracks at 6400 St. Claude Avenue in New Orleans, LA. Gulf South's scope includes drilling undisturbed soil borings (three to a depth of 15 ft), lab testing, and engineering analyses including flexible and/or rigid pavement design recommendations, allowable soil bearing values (below grade), bedding and backfill recommendations for piping, and general construction procedures and recommendations. (\$3,000 (fee); 2019)

**New Sidewalks and Drainage (LA SAFE Project), LaPlace, St. John the Baptist Parish, LA.** Geotechnical engineering services as part of the LA SAFE program consisted of new sidewalks and drainage along Airline Highway and Main Street in LaPlace, LA. Gulf South's scope includes drilling 12 undisturbed soil borings to depths of 10 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$12,000 (fee); 2020)

**Pond No. 1 Dike Slope Stability Analysis, Mandeville Wastewater Treatment Plant, City of Mandeville, LA.** Geotechnical investigation for proposed dike erosion protection improvements for the Mandeville Wastewater Treatment Plant (WWTP) near Deckbar Drive in Mandeville, LA. Gulf South's scope includes drilling two undisturbed soil borings (each to a depth of 40 feet) and engineering analyses, incl. slope stability analyses and general construction procedures & recommendations. (\$5,500 (fee); 2018)

**Fish Bayou Control Structure (Alligator Bayou Road), Ascension Parish, LA.** Geotechnical investigation for new flood control structure across Alligator Bayou Road in Ascension Parish, LA. Gulf South's scope includes drilling three undisturbed soil borings ranging in depth from 6 to 60 feet, lab testing, and engineering analyses including allowable soil bearing values, allowable pile/shaft load capacities, estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. (\$6,000 (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 (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA.** Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling St. in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Christopher Boutwell**  
Construction Materials Testing (CMT) Supervisor

**Project Assignment:**

Construction Materials Testing (CMT) Supervisor

**Name of Firm with which associated:**



**Years experience with this Firm:**

9 years with this firm (2012); 12 years total (2009)

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*

**Active registration: Year first registered/discipline:**

N/A

**Other experience and qualifications relevant to the proposed Project:**

Mr. Boutwell serves as a CMT Supervisor in Gulf South's Kenner, LA office. As a CMT Supervisor, Mr. Boutwell is responsible for scheduling technicians, technical training, resolving technical and personnel

- ACI Concrete Field Testing – Grade I
- APNGA Nuclear Moisture/Density Gauge Training
- OSHA Safety Training – 8 hr.

issues, equipment maintenance, preparing proposals, reviewing reports, and client interaction. Mr. Boutwell's construction monitoring experience includes nuclear density testing, concrete testing and inspection, asphalt inspection, earthwork testing and inspection, driven pile inspection, vibration monitoring, augercast pile inspection, and drilled shaft inspection. Mr. Boutwell is proficient in the following laboratory tests: soil and concrete compressive strength, moisture content, grain size sieve, organic content, Proctor compaction, lime/soil and soil/cement % determinations, density tests, and Atterberg limits.

Mr. Boutwell has logged soil borings, performed pile load tests, floor flatness testing, anchor bolt pull out tests, obtained and secured samples from soil borings and borrow pits, and completed hand augers. Mr. Boutwell routinely operates Gulf South's pavement coring machines.

**N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA.** Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$50,000 (fee); ongoing)

## TEC Professional Services Questionnaire

### Other experience and qualifications relevant to the proposed Project:

*Christopher Boutwell (continued)*

**St. Peter's Ditch – Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA.** Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$110,000 (fee); 2016)

**Westgate Drainage Improvements, Metairie, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction of various drainage improvements. Scope included earthwork testing & inspection and concrete testing & inspection. (\$8,000 (fee); 2018)

**Parish Line Drainage Pump Station Improvements – Phase I, City of Kenner, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during construction of a new pump station in Jefferson Parish, Louisiana. Scope of services consisted of vibration monitoring, timber pile inspection at the site and during installation, performance of a pile load test, earthwork, and concrete testing & inspection. (\$10,000 (fee); 2018)

**Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA.** Project consisted of the construction of new below grade drainage features and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$7,000 (fee); 2016)

**Citrus Road and Greg Court Subsurface Drainage Improvements, 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. (\$20,000 (fee); 2019)

**Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, 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. (\$10,000 (fee); 2019)

**Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA.** Project consisted of the construction of new drainage features for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

## TEC Professional Services Questionnaire

**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

| Project Name, Location, and Owner's Contact Information:  | Nature of Firm's Responsibility:   |                                      |
|---|--|--------------------------------------|
| <p><b>N. Sibley Pump Station Improvements</b>,<br/>Metairie, Jefferson Parish, Louisiana</p> <p><b>Digital Engineering</b><br/>527 West Esplanade Avenue Suite 200<br/>Kenner LA 70065</p> <p><b>Frank T. Liang, P.E.</b>, 504-468-6129<br/>fliang@deii.net</p> | <p>Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing.</p> |                                      |
| <b>Completion Date (Actual or estimated):</b>   | Estimated Cost:  |                                      |
|   | Entire Project:  | Work for which Firm was Responsible: |
| 2021 (ongoing)  | N/A  | \$50,000 (fee)                       |

### PROJECT NO. 2

| Project Name, Location, and Owner's Contact Information:   | Nature of Firm's Responsibility:   |                                      |
|--|--|--------------------------------------|
| <p><b>Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane)</b>,<br/>Grand Isle, Jefferson Parish, Louisiana</p> <p><b>Principal Engineering, Inc.</b><br/>1011 N Causeway Blvd Ste 19<br/>Mandeville LA 70471</p> <p><b>André C. Monnot, P.E.</b>, 985-624-5001<br/>andre@pi.aec.com</p> | <p>Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane. Scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, lab testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station 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.</p> |                                      |
| <b>Completion Date (Actual or estimated):</b>  | Estimated Cost:  |                                      |
|  | Entire Project:  | Work for which Firm was Responsible: |
| 2020   | N/A  | \$7,500 (fee)                        |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 3</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Mississippi River Discharge Pump Station,</b><br/>River Ridge, Jefferson Parish, Louisiana</p> <p><b>ECM Consultants, Inc.</b><br/>1201 Clearview Parkway Suite 200<br/>Metairie LA 70001</p> <p><b>Sunina Shrestha, P.E.,</b> 504-885-4080<br/>sshrestha@ecmconsultants.com</p> | <p>Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Miss. River levee with discharge pipes crossing levee to the protected side.</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| 2020   | N/A  | \$35,000 (fee)                              |

| <b>PROJECT NO. 4</b>   |   |   |
|--|---|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Citrus Road and Greg Court Subsurface Drainage Improvements,</b> Jefferson Parish, Louisiana</p> <p><b>Buchart-Horn, Inc.</b><br/>18163 East Petroleum Drive, Suite A<br/>Baton Rouge LA 70809</p> <p><b>Alan Krouse,</b> 225-936-9946<br/>akrouse@bucharthorn.com</p> | <p>Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection.</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2019   | N/A   | \$20,000 (fee)                              |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 5</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>St. Peter's Ditch – Phase IV (Pump Station at Clearview)</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish<br/>Public Works Department</b><br/>1221 Elmwood Park Blvd Ste 904<br/>Jefferson LA 70123</p> <p><b>Reda M. Youssef, P.E.</b>, 504-736-6783<br/>JPPW@jeffparish.net</p> | <p>Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| 2016   | N/A  | \$110,000 (fee)                             |

| <b>PROJECT NO. 6</b>   |   |   |
|--|---|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Westgate Drainage Improvements</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish<br/>Drainage Department</b><br/>1221 Elmwood Park Blvd Ste 907<br/>Jefferson LA 70123</p> <p><b>Ben Lepine</b>, 504-736-6759<br/>blepine@jeffparish.net</p> | <p>Gulf South performed field and laboratory testing during construction of various drainage improvements. Scope included earthwork testing &amp; inspection and concrete testing &amp; inspection.</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2018   | N/A   | \$8,000 (fee)                               |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 7</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Parish Line Drainage Pump Station Improvements – Phase I,</b><br/>Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish<br/>Drainage Department</b><br/>1221 Elmwood Park Blvd Ste 907<br/>Jefferson LA 70123</p> <p><b>Ben Lepine, 504-736-6759</b><br/>blepine@jeffparish.net</p> | <p>Gulf South performed field and laboratory testing during construction of a new pump station in Jefferson Parish, Louisiana. Scope of services consisted of vibration monitoring, timber pile inspection at the site and during installation, performance of a pile load test, earthwork, and concrete testing &amp; inspection.</p> |   |
| <b>Completion Date (Actual or estimated):</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| 2019   | N/A  | \$10,000 (fee)                              |

| <b>PROJECT NO. 8</b>  |  |   |
|---|--|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Waggaman Subsurface Drainage Improvements,</b> Waggaman, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish<br/>Public Works Department</b><br/>1221 Elmwood Park Blvd Ste 904<br/>Jefferson LA 70123</p> <p><b>Reda M. Youssef, P.E., 504-736-6783</b><br/>JPPW@jeffparish.net</p> | <p>Project consisted of the construction of new below grade drainage features and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p> |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| 2016  | N/A  | \$7,000 (fee)                               |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 9</b>  |  |   |
|---|--|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Drainage Improvements, Citrus Road &amp; Greg Court, Metairie, Jefferson Parish, Louisiana</b></p> <p><b>Jefferson Parish</b><br/> <b>Buchart Horn</b><br/>                     18163 E Petroleum Drive, Suite A<br/>                     Baton Rouge LA 70809</p> <p><b>Alan Krouse, P.E., 225-308-2009</b><br/>                     akrouse@bucharthorn.com</p> | <p>Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road &amp; Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations.</p> |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| 2017  | N/A  | \$8,500 (fee)                               |

| <b>PROJECT NO. 10</b>   |   |   |
|---|---|---|
| <b>Project Name, Location, and Owner's Contact Information:</b>   | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Clearview Parkway Drainage Project, Metairie, Jefferson Parish, Louisiana</b></p> <p><b>Jefferson Parish</b><br/> <b>Public Works Department</b><br/>                     1221 Elmwood Park Blvd Ste 904<br/>                     Jefferson LA 70123</p> <p><b>Reda M. Youssef, P.E., 504-736-6783</b><br/>                     JPPW@jeffparish.net</p> | <p>Project consisted of the construction of new drainage features for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p> |   |
| <b>Completion Date (Actual or estimated):</b>   | <b>Estimated Cost:</b>  |   |
|   | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| 2016  | N/A   | \$30,000 (fee)                              |

## TEC Professional Services Questionnaire

**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

| Parties:   |            | Status/Result of Case: |
|------------|------------|------------------------|
| Plaintiff: | Defendant: |                        |
| 1. N/A     |            |                        |
| 2.         |            |                        |
| 3.         |            |                        |
| 4.         |            |                        |

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



### **INTRODUCTION**

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

**Gulf South is a woman-owned, Hudson Initiative-certified small business in Louisiana. Our Kenner laboratory is AASHTO and CCRL certified and USACE validated.**

# TEC Professional Services Questionnaire

## **N. continued.**

### **Geotechnical Engineering Services**

Gulf South's ownership and senior management have decades of combined experience in the profession and have completed thousands of projects. One of Gulf South's Principals, Chad M. Poché, P.E., is a founder of the company and Professional Engineer registered in Civil Engineering in Louisiana and Mississippi with specific training and experience in geotechnical engineering. He has more than 25 years of experience in planning, administering, and conducting geotechnical investigations.

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

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

### **Field Investigation Services**

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

### **Laboratory Testing Services**

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

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

# TEC Professional Services Questionnaire

N. continued.

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

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

## **PROFESSIONAL TRAINING & EXPERIENCE**

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

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

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

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

## **SIZE OF FIRM & CAPACITY FOR TIMELY COMPLETION**

At 28 employees, Gulf South has the appropriate number of employees and personnel for this project. We will complete our scope of services on time and within budget. Further said, Gulf South is able to readily meet the time and budget constraints for projects assigned to this contract. Our current work load is such that we can expeditiously complete projects for this contract.

# TEC Professional Services Questionnaire

N. continued.

## **PAST PERFORMANCE ON JEFFERSON PARISH PROJECTS**

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

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

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

# TEC Professional Services Questionnaire

N. continued.

## LOCATION OF THE PRINCIPAL OFFICE

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

## LITIGATION

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

## REFERENCES

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. We are proud that a majority of its work is from repeat clients –we complete our projects on-time and within budget. Gulf South invites you to contact any of our clients for a candid discussion of our service and professionalism, and offer these direct references:

**Tacie Rabalais, P.E., Parish Engineer, Ascension Parish Government Engineering Department**  
225-621-5700, trabalais@apgov.us

**Joey Tureau, Infrastructure Division Director, Ascension Parish**  
225-450-1013, jtureau@apgov.us

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

**Neil Schneider, Capital Projects, Jefferson Parish Public Works Department**  
504-736-6783, JPPW@jeffparish.net

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

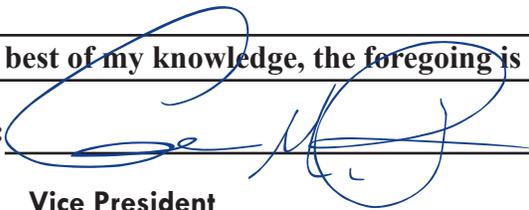
**Ben Lepine, Jefferson Parish Drainage Department**  
504-736-6759, blepine@jeffparish.net

## INSURANCE

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

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

Signature:



Print Name:

Chad M. Poché, P.E.

Title:

Vice President

Date:

January 15, 2021



#### **COMPANY**

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#### **CONTACT**

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