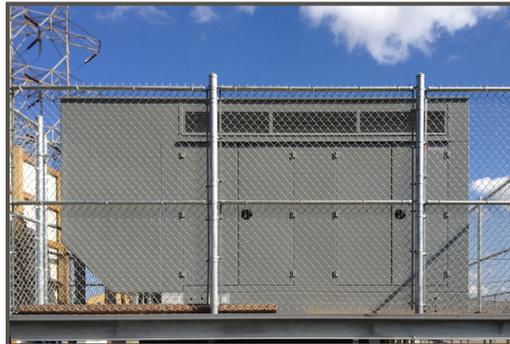


# JEFFERSON PARISH

SOQ 22-028 Resolution #139102

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





CHAIRMAN OF THE BOARD  
J. W. "BILL" GIARDINA, JR., PE

CORPORATE SECRETARY  
BRUCE L. BADON, AICP

**BURK-KLEINPETER, INC.**  
ENGINEERING · PLANNING · ENVIRONMENTAL

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PRESIDENT & CEO  
MICHAEL D. CHOPIN, PE

SENIOR VICE PRESIDENTS  
RENE A. CHOPIN, III, PE  
HENRY M. PICARD, III, PE, PLS

VICE PRESIDENT  
DAVID E. BOYD, PE

OVER 100 YEARS OF SERVICE

June 30, 2022

Jefferson Parish Purchasing Department  
Ms. Melissa Ovalle  
General Government Building  
200 Derbigny Street, Suite 4400  
Gretna, LA 70053

RE: SOQ 22-028 Resolution #139102–Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations

Ms. Ovalle:

In response to your request for qualifications, **Burk-Kleinpeter, Inc.**, along with **BFM Corporation, LLC**, **Gulf South Engineering and Testing, Inc.**, and **Creative Engineering Group, LLC** is pleased to submit one electronic copy of our qualifications for the above-referenced project.

BKI is a full-service consulting firm providing professional planning and engineering services to public and private clients for over 110 years, with offices in Louisiana and Alabama. We are fully capable of providing professional services to Jefferson Parish for projects within the scope of rehabilitation of lift stations. Our **Metairie office** will serve as the main project office for this assignment with Henry M. Picard, III, PE, PLS as the professional in charge of the project. As an established firm committed to client satisfaction, we hope to assist the Parish in the successful implementation on assigned projects. We have a history of successfully completing similar scale projects on time for Jefferson Parish, and we hope to have the opportunity to continue that partnership.

We appreciate this opportunity to submit our qualifications and look forward to working for the Parish again in the future.

Sincerely,

Henry M. Picard, III, PE, PLS  
Senior Vice President



**Burk-Kleinpeter, Inc.**  
TEC Questionnaire



TEC Professional Services Questionnaire

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

SOQ No. 22-028 Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations - Resolution 139102

**B. Firm Name & Address:**

**BKI BURK-KLEINPETER, INC.**

**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:**

Michael D. Chopin, PE - Principal | President, (504) 343-6254, mchopin@bkiusa.com

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

Henry M. Picard, III PE, PLS - Civil Engineer - (504) 400-0783, hpicard@bkiusa.com

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

<u>13</u> Administrative	<u>0</u> Estimators	<u>0</u> Specification Writers
<u>0</u> Architects (Licensed)	<u>0</u> Geologists	<u>4</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>12</u> Civil Engineers	<u>0</u> Interior Designers	<u>1</u> Project Managers
<u>8</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>0</u> Clerical
<u>0</u> Ecologists	<u>0</u> Land Surveyor	<u>0</u> Grant/Funding Specialist
<u>0</u> Electrical Engineers	<u>1</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>2</u> Engineer Intern	<u>0</u> Environmental Engineers	<u>2</u> Planners
<u>0</u> Professional Land Surveyors	<u>8</u> CADD/GIS	<u>1</u> Designers
<b><u>52</u> 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. N/A

**H. Has the 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):
1. BFM Corporation, LLC 15 Veterans Memorial Blvd. Kenner, LA 70062	Topographic Survey	Yes
2. Gulf South Engineering and Testing, Inc. 15 Veterans Memorial Blvd. Kenner, LA 70062	Geotechnical Investigations, Analysis, and Testing	Yes
3. Creative Engineering Group, LLC 201 Highland Park Plaza Covington, LA 70433	Electrical Engineering	Yes

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

**BKI:   9   Team:  26**

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:

Michael D. Chopin, PE  
Principal / President & CEO

Project Assignment

Principal / QA/QC - LA Registered Professional Engineer (Minimum Requirement No. 1)

Name of Firm with which associated



Years' experience with this Firm:

31

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1991 / Civil Engineering

Active registration: Year first registered/discipline

1996 / PE Civil, State of LA / No. 26797

Other experience and qualifications relevant to the proposed project:

Mr. Chopin is a Principal and the President and CEO at BKI. He is in charge of personnel, including schedules, staff, budgets, technical review, and account management. He has 26 years of professional engineering experience, and has provided professional consulting focused on a wide range of public works projects. He has served as Project Manager or Project Engineer on a variety of project types including lift station design and rehabilitation; sewer design and improvements; drainage studies; hydraulic models and designs; drainage improvements; levees; floodwalls; flood control projects; roadways; and site development. He is a member of the American Society of Civil Engineers and the Society of American Military Engineers.

*Mr. Chopin's applicable projects are listed on the following page.*

## TEC Professional Services Questionnaire

### **Mr. Chopin has worked on the following sewer projects:**

**Shreveport Misc Sewer Design Projects** - Shreveport, LA - As Principal, oversaw the design of approximately 80,000 LF of gravity sewer pipelines ranging from 8-18. Design included typical open-cut, CIPP lining, horizontal directional drilling and dry boring. Also provided oversight for the ongoing construction administrative services provided to address any issues encountered during construction.

**St. Bernard Violet Sewer Improvements** - Violet, LA - Principal provided QA/QC for design services to reduce the effects of rain induced system constrictions in a sanitary sewer system. The design included the construction of four new sanitary sewer pump stations and increased capacity in gravity sewers and new force mains to allow for more efficient collection and transport of sewage during rain events.

**Gretna Sewer Lift Station No. 10** - Gretna, LA - Project Manager for preparing plans and specifications for providing a new 1,600 gallon per minute lift station for the City of Gretna.

**Gretna Sewer Lift Station No. 2** - Gretna, LA - Project Manager for preparing plans and specifications for providing a new 400 gallon per minute lift station for the City of Gretna.

**Land O' Trees Lift Station Rehabilitation** - Shreveport, LA - Project Manager for prepared plans and specifications for the rehabilitation of an existing lift station for the City of Shreveport. This included removing the existing dry well station and installing new pre-cast concrete wet well, a new concrete top slab, a new 1" water line to the lift station and all new electrical equipment.

**Maywood Lift Station Rehabilitation** - Shreveport, LA - Project Manager for prepared plans and specifications for the rehabilitation of an existing lift station for the City of Shreveport. This included the converting the existing inflow manhole into a new wet well, a new concrete top slab, new chain link fencing, the resurfacing of the existing 392 LF aggregate drive and installing all new electrical equipment.

**North Pointe Lift Station Rehabilitation** - Shreveport, LA - Project Manager for prepared plans and specifications for the rehabilitation of an existing lift station for the City of Shreveport. This included removing and replacing the existing discharge piping, installing a new 1" water line to the lift station, a new concrete top slab and all new electrical equipment.

**Gretna Sewer Lines** - Gretna, LA - Provided project oversight and coordination for rehabilitation of various sewer lines and manholes in the City of Gretna, and preparation of a GIS map of the sewer lines for the whole city.

**Hammond Va Clinic Site Development** - Hammond, LA - Project manager responsible for the design and construction for the site development of a VA medical clinic building, including all site utilities, water distribution, sewer collection, sewer lift station and force main, site electrical distribution, and exterior lighting, all paving, including all perimeter access roads, parking for the medical clinic, as well as construction administration services during the construction phase.

**Schneider Canal Drainage Pumping Station, Barscreen & Automatic Rakes** - Slidell, LA - Provided QA/QC for the mechanical design project elements for six mechanically cleaned bar screens with associated access bridge to allow for the removal of screened material as well as structural design of support structure for the screens and the bridge area for removal of screenings.

**JCUA Gautier WWTP Improvements** - Gautier, MS - Provided QA/QC for repair and modification design to two 60-in. diameter clarifiers and the non-potable system's revamp. Mechanical equipment, the scum pump, and the RAS/WAS pumps were removed and replaced. RAS/WAS pump piping was simplified. Clarifier mechanism control panels, RAS/WAS pumps, and scum pump were installed.

**New Orleans Sewerage and Water Board Sewer Repairs Program Management** - New Orleans, LA - Provided program management and construction management services, including project closeout to oversee major repairs and replacements at 85 sewer pumping stations in the City of New Orleans damaged by Hurricane Katrina. This project utilized FEMA and HMGP funding.

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Henry M. Picard, III, PE, PLS <i>Senior Vice President</i>
<b>Project Assignment</b>
Project Manager (Minimum Requirements No. 2 & 3)
<b>Name of Firm with which associated</b>

<b>Years' experience with this Firm:</b>
32
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 1981 / Civil Engineering
<b>Active registration: Year first registered/discipline</b>
1986 / PE Civil, State of LA / No. 22289 1994 / PLS, State of LA / No. 4736 1996 / PE Civil, State of AL / No. 20937 2000 / PE Civil, State of FL / No. 56552
<b>Other experience and qualifications relevant to the proposed project:</b>
Mr. Picard is a Senior Vice President at BKI with 41 years of professional engineering experience. He is in charge of project management, hydraulics, and traffic engineering, with responsibilities including schedules, staff, budgets, technical review and account management. He has provided professional consulting services as Project Manager or Project Engineer on numerous lift station design and rehabilitation; sewer design and improvements; drainage and flood control; roadway; transportation; rail; and hydraulic engineering projects. Mr. Picard holds a Bachelor of Science in Civil Engineering; is a Registered Professional Engineer in Louisiana, Alabama, and Florida; and is a Registered Professional Land Surveyor in Louisiana. He is an active member of the American Society of Civil Engineers and the Society of American Military Engineers.  <i>Mr. Picard's applicable projects are listed on the following page.</i>

## TEC Professional Services Questionnaire

### **Mr. Picard has worked on the following sewer projects:**

**New Cardinal Street Sewer Lift Station** - Slidell, LA -Principal on project to demolish and replace the existing pump station with a below grade pump station. BKI's services included the design of the station slab, vault slab, and control panel support. The Cardinal Street Lift Station was above grade in a residential neighborhood. Provisions will be in place for connecting an emergency generator.

**New Anna Street Sewer Lift Station** - Slidell, LA - Principal on project to demolish and replace an existing pump station with a new station in the City's right-of-way along Anna Street. BKI provided the plans and specifications for the design of the station slab, vault slab, and control panel support. Provisions will be in place for connecting an emergency generator.

**Sewer Lift Station Improvements at Ole Miss Drive/35th Street** - Kenner, LA - Principal provided QA/QC for a new sewer lift station quadplex control panel with controls and power feed for a system to operate one 30 HP and three 125 HP pump motors. BKI's scope included: design of new power and controls circuits, new 600 amp service entrance rated automatic transfer switch (ATS), new electric utility service routed to the new ATS, new emergency power service, design of new service to lift station control panel, new electrical distribution equipment and quadplex control panel.

**Sewer Lift Station Improvements at Ole Miss Drive/35th Street** - Kenner, LA - Principal provided QA/QC for a new sewer lift station quadplex control panel with controls and power feed for a system to operate one 30 HP and three 125 HP pump motors. BKI's scope included: design of new power and controls circuits, new 600 amp service entrance rated automatic transfer switch (ATS), new electric utility service routed to the new ATS, new emergency power service, design of new service to lift station control panel, new electrical distribution equipment and quadplex control panel.

**24th & Delaware Lift Station Upgrade** - Kenner, LA - Principal provided QA/QC and project management for the installation of a new generator, automatic transfer switch, and new service entrance.

**Jefferson Parish Rosethorne Sewage Treatment Plant** - Jefferson Parish, LA - Principal provided design oversight for a new 0.5 MGD average daily flow treatment facility to take the place of an existing Rosethorne WWTP in Lafitte, LA. BKI's design included all process equipment and controls, pumps, piping, and other items to construct a complete and functional WWTP.

**Marrero WWTP Headworks** - Marrero, LA - Principal provided QA/QC for the project to modify the WWTP's existing headworks. This project consisted of upgrades to several process areas within the existing headworks, including replacement of trash screens, modification to the grit chamber pumping and grit processing equipment, repair of the conveyor belt for the sludge filter presses new elevated control room and repairs of equipment for loading of processed sludge and trash screen debris into trucks. In addition, the existing electrical room that houses the electrical power and control equipment for the headworks was relocated from the current room on the first floor to a new standalone building.

**New Orleans Sewerage and Water Board Sewer Repairs Program Management** - New Orleans, LA - Provided civil design review services, including project closeout to oversee major repairs and replacements at 85 sewer pumping stations in the City of New Orleans damaged by Hurricane Katrina. This project utilized FEMA and HMGP funding.

**JCUA Gautier WWTP Improvements** - Gautier, MS - Provided project management and oversight services for the repair and modification design to two 60-ft. diameter clarifiers and the non-potable system's revamp. Mechanical equipment, the scum pump, and the RAS/WAS pumps were removed and replaced. RAS/WAS pump piping was simplified. Clarifier mechanism control panels, RAS/WAS pumps, and scum pump were installed.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
Name & Title:
<b>Robert P. Furlow, PE</b> <i>Mechanical Engineer</i>
Project Assignment
Mechanical Engineer (Minimum Requirement No. 3)
Name of Firm with which associated
 ENGINEERING · PLANNING · ENVIRONMENTAL
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2003 / Mechanical Engineering
Active registration: Year first registered/discipline
2011 / PE Mechanical, State of LA / No. 35966
Other experience and qualifications relevant to the proposed project:
<p>Mr. Furlow is a professional mechanical engineer at BKI. His prior experience includes work in the oil, gas and petrochemical industries as a consultant and in operations. He has extensive experience in piping and facility design which includes pipe stress analysis and hydraulics; pipeline engineering; project management; developing piping, equipment &amp; construction specifications; P&amp;ID development; pump and compressor sizing; equipment selection and procurement; pressure vessel analysis; process balancing; fire protection; and drafting design. Experienced with industry standards ASME B31.3, B31.4 &amp; B31.8.</p> <p><i>Mr. Furlow's applicable projects are listed on the following page.</i></p>

## TEC Professional Services Questionnaire

### **Mr. Furlow has worked on the following sewer projects:**

**Upgrades to Cardinal Dr. Sewer Lift Station** - Slidell, LA - Construction administrator for demolition of pump system and installation of two (2) new 140 GPM pumps and appurtenances in St. Tammany Parish.

**New Anna Street Sewer Lift Station** - Slidell, LA - Construction administrator for the new 350 GPM sewer lift station in St. Tammany Parish.

**Rosethorne Sewage Treatment Plant** - Jefferson Parish, LA - Construction administrator and mechanical engineer for a new 0.5 MGD wastewater treatment plant in Jefferson Parish, LA. The new plant included an influent lift station, headworks, sludge facility, and a disinfection/effluent pump station.

**Marrero WWTP Headworks** – Marrero, LA – Mechanical Engineer consultant for RFI's related to the construction of the wastewater treatment plant.

**Cheniere Water Storage Tank** - Grand Isle, LA – Mechanical engineer for a 1,000,000 gallon ground storage tank and duplex pump station at the water department's Cheniere facility in Grand Isle.

**25th Street Canal Drainage Improvements Project (Resiliency District)** - Gretna, LA -Mechanical engineering and design for new pump station with capacity of 350 CFS to provide drainage of residential area in Jefferson Parish.

**Petroleum Storage Terminal** - Bayman, PR - Mechanical design for 3.2 million bbl storage terminal with jetty and truck station loading, fire protection, storage tanks, and recovery system. Responsibilities included complete design of the fire protection system, pumps and manifold for complete flexibility, storage tanks and vessels, piping, truck loading/unloading station with additive blending, transmix and product recovery system, jetty refurbishment and utility and instrument air system.

**Kings Quay Production Facility** - Covington, LA - Lead design engineer for multiple systems on large offshore oil and gas platform including Flowline, Heat Media, Seawater Cooling Media, and Gas Sales. Involvement including P&ID development, hydraulic analysis and equipment RFQ management.

**Plant Hammond - SO<sub>2</sub> Scrubber** - Rome, GA - A single SO<sub>2</sub> scrubber was installed to clean four coal units. Responsibilities included all aspects of project development such as writing technical specifications, stress analysis, hydraulic calculations, pressure vessel sizing, review drawings, review vendor quotes, and perform bid tabs among other tasks.

**NGL Gas Processing Facility** - Natrium, West Virginia - Lead Mechanical Engineer involved in the development of mechanical equipment, piping and ancillary specifications. Supported P&ID development as well as provided guidance and support for the pipe stress analysis.

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Daniel S. Caluda, Jr.</b> <i>Associate, Mechanical Designer</i>
<b>Project Assignment</b>
Mechanical Design
<b>Name of Firm with which associated</b>
 <small>ENGINEERING      PLANNING      ENVIRONMENTAL</small>
<b>Years' experience with this Firm:</b>
35
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 1981 / Petroleum Engineering
<b>Active registration: Year first registered/discipline</b>
N/A
<b>Other experience and qualifications relevant to the proposed project:</b>
<p>Mr. Caluda is an Associate with major technical responsibility in the Mechanical Engineering Division of BKI. He has over 40 years of experience and holds a Bachelor of Science in Petroleum Engineering from Louisiana State University in Baton Rouge. Mr. Caluda's professional experience includes lift station design and rehabilitation, sewer systems, drainage, water and wastewater systems, HVAC, plumbing, sprinklers, and mechanical/industrial systems. Mr. Caluda's experience with the design of drainage pump stations and wastewater treatment plant pump stations dates to 1987. He has designed new pump stations and pump station improvements with capacities ranging from 150 CFS to 2,000 CFS. Mr. Caluda has provided mechanical design services for dozens of pump stations in the Greater New Orleans region and has overseen design and construction of two of the largest pump stations in the world. His design and construction experience has also led to providing supervision for pump station operations as well as training of pump station operators.</p> <p><i>Mr. Caluda's applicable projects are listed on the following page.</i></p>

## TEC Professional Services Questionnaire

### **Mr. Caluda has worked on the following sewer projects:**

**New Cardinal Street Sewer Lift Station** - Slidell, LA - Mechanical Designer selected pumps, valves, piping, and accessories for the replacement of an existing above grade pump station with a submersible, low profile pump station. He also created the demolition plan. Isolation valves and an emergency pump out will be located above grade for maintenance. Controls and power wiring will be routed to a main control panel above the base flood elevation.

**New Anna Street Sewer Lift Station** - Slidell, LA - Mechanical Designer selected pumps, valves, piping, and accessories for the replacement of an aging, inaccessible pump station. He also created the demolition plan. The new station will feature submersible pumps with variable frequency drives that can be pulled to grade through an access hatch in the top slab.

**Jefferson Parish Sewer Lift Station D-8-2 Upgrade** - Waggaman, LA - Mechanical Designer for the replacement of a sewer lift station to resolve a continuing problem with sewer overflows. Design included a new fiberglass wet well with two new submersible sewer pumps manifolded into a single 12" sewer force main. Design work also included a new section of 12" directionally drilled and open cut sewer force main.

**Rosethorne Sewage Treatment Plant** - Jefferson Parish, LA - Mechanical Designer for a new 0.5 MGD average daily flow treatment facility to take the place of an existing Rosethorne WWTP in Lafitte, LA. BKI's design included all process equipment and controls, pumps, piping, and other items to construct a complete and functional WWTP including rehabilitation of the existing sewer lift station and a new effluent pump station.

**New Orleans Sewerage and Water Board SSRP Package 2, Phase 3** - New Orleans, LA - Design of Phase 3 projects Corrective Action Plan for the East Bank Waste Water Collection System upgrades to sewer pump station 17 (8 MGD), PS 23 (5 MGD) and Michoud Boulevard 12" Sewer Force Main System (8,000 LF) for the New Orleans S&WB.

**Central Wastewater Treatment Plant Tunnel Pump Station** - Baton Rouge, LA - Preparation of a preliminary design report for design of a 72 MGD deep tunnel pump station, including the deep wet well with trash screens, four 16" and four 30" VTSH Sewage Pumps, and a 54" discharge force main system from the Tunnel PS to the Central WWTP, a distance of over 3 miles.

**St Bernard Water Treatment Plant** - St. Bernard Parish, LA - Provided HVAC design for the plant upgrades, which included replacement of the majority of the existing 12 million gallons per day primary treatment equipment.

**Munster WWTP Modifications** - St. Bernard Parish, LA - Design and construction administration of treatment units to more than double the capacity of the existing wastewater treatment plant.

**Audubon Species Survival Center Site Improvements** - New Orleans, LA - Design of an 8,000 LF of new 8" sewer force main and 2,500 LF of new gravity sewer lines to service the Audubon Institute Species Survival Center facility.

**PCCP Extension of Staff Services** - New Orleans, LA - As Operations Manager / Mechanical Designer, provided all technical oversight on behalf of the CPRA to review all phases of construction adherence to contract documents for over 70 features of design and construction associated with each of the three pump stations: the 17th Street Canal (12,500 CFS), the Orleans Avenue Canal (2,700 CFS) and the London Avenue Canal (9,000 CFS). In addition, performed detailed review of all equipment O & M manuals and provide field training for full operation of USACE constructed PCCP in Orleans Parish.

**Baton Rouge Metro Airport Area Pump Station and Force Main Upgrades** - Baton Rouge, LA - Provided mechanical design to replace six existing lift stations and add two new wet pit pump stations ranging in size from 1 MGD to 24 MGD and over 36,000 LF of 8" to 30" force main. New station wet wells were computer modeled and optimized. Air conditioned electrical rooms were designed for reliability, and bio-trickling odor control was added due to the proximity of residents.

**Harvey Wastewater Treatment Plant Odor Control** - Harvey, LA - Produced design drawings for improvements to the Harvey Wastewater Treatment Plant.

**S & WB NO Water Supply Alternatives** - New Orleans, LA - Prepare portions of technical studies & lab analysis to evaluate water quality & alternate treatment methods for upgrading the water treatment process to meet EPA criteria.

## TEC Professional Services Questionnaire

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

Name & Title:

**René A. Chopin, III, PE**

*Senior Vice President / Chief Engineer*

Project Assignment

Structural Engineer (Minimum Requirements No. 2 & 3)

Name of Firm with which associated



Years' experience with this Firm:

33

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1988 / Civil Engineering

Active registration: Year first registered/discipline

1993 / PE Civil, State of LA / No. 25174

Other experience and qualifications relevant to the proposed project:

Mr. Chopin is a Senior Vice President / Chief Engineer at BKI in charge of project production, project management, and staff supervision. He has provided professional consulting focused on a wide range of local roadway systems, DOTD roadways, FHWA roadways, drainage, highway and bridge designs. He has served as Project Manager or Project Engineer on numerous bridge, roadway, dock, wharf, structural, and infrastructure projects with scope of services including design, construction administration, and related supplemental services that include surveying and geotechnical components. Mr. Chopin has garnered a proven reputation for maintaining high standards of professionalism, integrity, innovation, and ability to collaborate on projects requiring multiple teams. As a result, he has received multiple awards and commendations from the American Concrete Institute Louisiana Chapter and the National Partnership for Highway Quality.

*Mr. Chopin's applicable projects are listed on the following page.*

## TEC Professional Services Questionnaire

### **Mr. Chopin has worked on the following applicable projects:**

**New Cardinal Street Sewer Lift Station** - Slidell, LA - Oversaw the design of the station slab, vault slab, and control panel support at the Cardinal Street Lift Station. Project scope included the demolition of pump system and installation of two (2) new 140 GPM pumps and appurtenances in St. Tammany Parish.

**New Anna Street Sewer Lift Station** - Slidell, LA - Oversaw the design of the station slab, vault slab, and control panel support at the Anna Street Lift Station, a new 350 GPM sewer lift station in St. Tammany Parish.

**Preliminary Engineering for Southern Trace Lift Station Improvements** - Shreveport, LA - Oversaw quality control, constructibility, and bid-ability on the creation of 12 pre-design technical memoranda and recommendations for the final design requirements. BKI provided design plans for the rehabilitation of an existing lift station in the Southern Trace subdivision that had aging equipment and appurtenances.

**Rosethorne Sewage Treatment Plant** - Jefferson Parish, LA - Provided QA/QC for a new 0.5 MGD average daily flow treatment facility to take the place of an existing Rosethorne WWTP in Lafitte, LA. BKI's design included all process equipment and controls, pumps, piping, and other items to construct a complete and functional WWTP including rehabilitation of the existing sewer lift station and a new effluent pump station.

**Cheniere Water Storage Tank** - Grand Isle, LA - Senior Structural Engineer for the design of the pile supported slab of a 1,000,000 gallon water storage tank as well as provided the structural design for an elevated pump house building and controls room.

**Jefferson Ave. II Sela 2 Canal #4179** - New Orleans, LA - BKI designed the construction of a 8 foot x 14 foot reinforced concrete box culvert, approximately 3,600 feet long. Existing drain lines were tied into the new concrete culvert. The canal improvements required the temporary relocation of the streetcar tracks on St. Charles Avenue as well as numerous other subsurface utility relocations. This project was assigned by the N.O. Sewerage and Water Board under the USACE Southeast Louisiana Urban Flood Control Program.

**Lions Water Treatment Plant Pump Station Intake Project** - St. John the Baptist Parish, LA - Provided structural engineering for the improvement of the pumping capacity and the ability to pump during low water levels in the Mississippi River for the Old Raw Water Pump Station located at the Lions WTP in St. John the Baptist Parish.

**Willowridge Pump Station** - Luling, LA - Structural engineer for the design of a new 300 CFS drainage pump station including bar screens, pump station structure, three 100 CFS vertical pumps with electric motors, backup generator and discharge pipes located in the Willowridge Subdivision on the west bank of St. Charles Parish.

**West Shore Enhancements Project** - St. James Parish, LA - Principal providing QA/QC for structural design of a floodgate and a 320 CFS pump station at the 310' Blind River Crossing as well as two additional floodgates in separate locations. Included at the Blind River pump station is the design of a 2050 square foot pile support electrical platform that supports auxiliary equipment such as the 1250 KW generator, transformer, generator dock, HVAC systems and SCADA tower. The platform also supports a 470 Square foot, single story, CMU block electrical and controls room with concrete roof.

**Harvey Canal Floodwalls and Frontal Protection** - Jefferson Parish, LA - Structural Engineer: Provided structural engineering oversight for the preparation of the Design Documentation Report, rights-of-way drawings, and plans and specifications for providing new floodwalls (T-walls) and frontal protection along the Harvey Canal from the Hero Pumping Station to the Algiers Canal.

**Earhart Expressway - Causeway Boulevard Interchange (SPN H.002861)** - Jefferson Parish, LA - Provided project management design oversight, and mentoring of young engineers for the new interchange between Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046). Responsibilities included a full inspection of existing bridge and the structural design of the new ramps. Additional, responsibilities included plan development and coordination with LADOTD project managers and utility coordinators on utility relocations, preparing project utility maps for meetings and coordinating requirements of SUE work performed.

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Rebecca J. Chopin, PE</b> <i>Associate - Civil Engineer</i>
<b>Project Assignment</b>
Structural Engineer
<b>Name of Firm with which associated</b>

<b>Years' experience with this Firm:</b>
9
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2013 / Civil Engineering
<b>Active registration: Year first registered/discipline</b>
2017 / PE Civil, State of LA / No. 41841 2017 / PE Civil, State of MS / No. 28568 2017 / PE Civil, State of AL / No. 36923
<b>Other experience and qualifications relevant to the proposed project:</b>
<p>Ms. Chopin is an Associate - Civil Engineer with Burk-Kleinpeter, Inc. having joined the company in 2013 after receiving her Bachelor of Science in Civil Engineering that year. She is a Registered Professional Engineer in Louisiana, Mississippi, and Alabama. Ms. Chopin's project experience focuses on bridge design, inspection, and rating in accordance with Load Resistance Factor Rating (LRFR) with an emphasis on LADOTD standards. She is proficient in LEAP Bridge Concrete, Mathcad, and MicroStation. Typical responsibilities include managing plan production on large-scale roadway and bridge projects, preparing construction documents, leading CAD technicians and engineers, obtaining DOTD permits, creating cost estimates and bid specifications, generating bid tabulations, utility coordination, and construction administration. Ms. Chopin is an active member of the American Concrete Institute (ACI) and served ACI Louisiana as a past president (2019).</p> <p><i>Ms. Chopin's applicable projects are listed on the following page.</i></p>

**Ms. Chopin has worked on the following sewer projects:**

**New Cardinal Street Sewer Lift Station** - Slidell, LA - Tasked with leading the structural design and development of the bid documents for the rehabilitation of an aging sewer lift station. Responsibilities included the design of a new slab on grade as well as an electrical equipment rack. Provisions will be in place for connecting an emergency generator.

**New Anna Street Sewer Lift Station** - Slidell, LA - Responsible for leading the structural design for the replacement of an aging, inaccessible pump station. Specific tasks included writing a design criteria, designing the concrete including the new wet well foundation, and general oversight on the development of the bid documents. The new station will feature submersible pumps with variable frequency drives that can be pulled to grade through an access hatch in the top slab with an above grade steel platform for access to the electrical controls. Provisions will be in place for connecting an emergency generator.

**West Shore Enhancements Project** - St. James Parish, LA - Responsible for leading the structural design team in the design of a floodgate and 320 CFS pump station at the 310' Blind River Crossing as well as two additional floodgates in two additional locations. Included at the Blind River pump station location is the design of a 2046 SF electrical platform which is pile supported with a concrete slab foundation. The electrical platform foundation supports equipment such as the 1250 KW generator, transformer, generator dock, A/C unit, and SCADA tower. The platform also supports a 471.5 SF, single story, CMU block electrical/storage room with concrete roof.

**Upper Barataria Risk Reduction project - Segment 2** - Lafourche & St. Charles Parishes - Provided QC reviews of the T-wall design. Developed structural detail sheets, quantity calculations, and cost estimate related to the T-walls. Assisted the design team in the development of the design report which included an introduction to the project and its purpose, project specific information, design considerations, and engineering design specifics related to the T-wall design, as well as a detailed cost estimate, the design criteria, and the design calculations package.

**Earhart Expressway - Causeway Boulevard Interchange (SPN H.002861)** - Jefferson Parish, LA - Responsibilities included completing a full inspection of existing bridge column bents, and determining load carrying capabilities in accordance with LRFR. Responsibilities also included the structural design of the new ramps. Designed multiple foundations, columns, and bent caps, as well as pile bents, bearing pads, and the concrete decks. In addition, responsibilities included plan development and coordination with LADOTD project managers and utility coordinators on utility relocations, preparing project utility maps for meetings and coordinating requirements of SUE work performed.

**Peters Road Bridge and Extension** - Plaquemines and Jefferson Parishes, LA - Responsible for the bridge design in accordance with LADOTD and AASHTO codes and standards, including the design of concrete slab spans, pile bents, and hammerhead bents including cap, column, and foundation design. Responsibilities include plan development, completion of design reports, and coordination with LADOTD project managers.

**Bob Pettit Road Bridge Replacement** - Baton Rouge, LA - Structural bridge design checker for the Bob Pettit Road Bridge over Bayou Fountain. The bridge consists of concrete slab spans on pile bents and was designed in accordance with LRFD. Responsibilities included checking drawings, calculations, and quantities as well as assembling the final Engineer's cost estimate and structural calculation book.

**Mandeville By Pass** - Mandeville, LA - Civil Engineer provided bridge design and details for two single direction roadway bridges over Bayou Castine, including the design of the decks, bearings, girders, bents, abutments, and approach slabs. Also responsible for coordination with hydraulic engineers for the purpose of foundation designs, as well as reviewing the geotechnical report.

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>René A. Chopin, IV, PE</b> <i>Civil Engineer</i>
<b>Project Assignment</b>
Civil and Hydraulic Engineering
<b>Name of Firm with which associated</b>

<b>Years' experience with this Firm:</b>
8
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2013 / Civil Engineering
<b>Active registration: Year first registered/discipline</b>
2018 / PE Civil, State of LA / No. 42349
<b>Other experience and qualifications relevant to the proposed project:</b>
<p>Mr. Chopin is a Registered Professional Civil Engineer in Louisiana with a focus on Hydraulic and Hydrologic Engineering. He joined BKI full time in 2013 after receiving his Bachelor of Science in Civil Engineering and serving as an intern for two years. His experience includes the use of the Department of Transportation and Development HYDR 2009 and HEC-RAS programs to calculate drainage flows and pipe capacities. He has worked on various projects such as lift station design and rehabilitation, roadway and drainage improvement projects, master drainage plans, levee and stormwater prevention projects, and harbor improvements including dredging. His responsibilities have included performing engineering calculations, site layout, plan and specification preparation, estimating project costs, and construction administration. He is a Member of the American Society of Civil Engineers and the Society of Military Engineers as well as holding a TWIC card.</p> <p><i>Mr. Chopin's applicable projects are listed on the following page.</i></p>

## TEC Professional Services Questionnaire

### **Mr. Chopin has worked on the following sewer projects:**

**New Cardinal Street Sewer Lift Station** - Slidell, LA - Provided a Civil Site Plan and coordinated layout efforts for the rehabilitation of the aging Cardinal Street sewer lift station.

**New Anna Street Sewer Lift Station** - Slidell, LA - Created a plan and profile of the new sewer force main, provided a Civil Site plan, and coordinated layout efforts for the replacement sewer lift station. The new station will feature submersible pumps with variable frequency drives that can be pulled to grade through an access hatch in the top slab with an above grade steel platform for access to the electrical controls. Provisions will be in place for connecting an emergency generator.

**25th Street Canal Drainage Improvements** - Gretna, LA - Provide Hydraulic and Hydrologic engineering for alternate routing of stormwater runoff during high-intensity events for the 25th Street Canal subdivisions. This includes analyzing the existing system, providing recommended pipe sizes for alternate flow routes when the Heebe Canal stage exceeds water surface elevations that would close flap gates to be installed on the current outfall pipes, and designing improvements within 25th Street Canal to handle the additional flow to feed the proposed 25th Street drainage pump station. In working with our Mechanical Department, we have developed a closed, pump-controlled system for the 25th Street subdivision that will alleviate flooding during high-intensity rainfalls.

**St. James Parish Interior Drainage Improvements** - Driveway Culverts - St. James Parish, LA - Civil/Hydraulic Engineer creating design documents for an inventory of existing driveway drainage culverts including their size, type, and condition as well as mentoring an engineer-in-training as well as engineering interns in hydraulic and hydrologic engineering.

**Upper Barataria Risk Reduction Project Phase 1-2019 Tasks - Segment 4** - Lafourche and St. Charles Parishes - Created an AutoCAD Civil 3D model of the proposed levee system using LiDAR data for preliminary design. This included the creation of the levee baseline as well as a corridor based on slope stability information provided by the geotechnical engineer. Responsible for the hydraulic design of the closure structure on the Godchaux Canal ensure that proper tidal flow is maintained in the area. He also directly assisted the structural engineering team in the design of the access road bridge that will span Godchaux Canal. His responsibilities for bridge design included setting the bridge low chord elevation based on available water elevation information as well as laying out the General Bridge Plan and Elevation drawings. He also served as the point-of-contact for coordination with the pipeline companies in the area that will be affected by the new levee system.

**Jefferson Avenue II SELA 2 Canal** - New Orleans, LA - Civil intern checked utility clearances for the new 8' x 14' reinforced concrete box culvert (approximately 3,600 feet long) to improve drainage to the Jefferson Avenue Canal between Dryades and Constance Streets.

**Lafitte Area Independent Levee District Tidal Levee Protection System - Paillet Basin** - Lafitte, LA - Civil engineer assisting in plans and specifications and cost estimates for flood protection system for the town of Jean Lafitte. The project includes levees, floodwalls, and pump stations.

**St. James Interior Drainage (Matherne, David, Woods Canal)** - St. James Parish, LA - Reviewed and prepared final plans for the improvement of lateral ditches and culverts along LA 3125. Responsibilities included performing Rational Method calculations for sizing culverts and calculating quantities for ditch improvements and outfall armoring. Carried out Construction Administration responsibilities including preparing bid documents, tabulating bids, performing periodic site visits, and generating closeout documents.

**Sharp Road Detention Pond** - Mandeville, LA - Provided civil engineering services for the development of a detention pond and drainage improvements near Asbury Drive, Century Oaks Lane, Sharp Road, Marquette Street, and Cypress Lake. Existing storm drainage channels and pipe culverts were upgraded from a 10-Year Storm Event capacity to a 25-Year Storm Event capacity. The project included a 15.5 acre-foot detention pond with an overflow weir structure, 342 linear feet of concrete pipe or pipe arch, and 3,000 linear feet of channel widening.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
Name & Title:
<b>Bailee L. Hurm, EI</b> <i>Engineering Intern</i>
Project Assignment
Structural Engineer Intern
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a bold, blue, sans-serif font. To the right of 'BKI', the company name 'BURK-KLEINPETER, INC.' is written in a smaller, blue, sans-serif font. Below the company name, the words 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL' are listed in a very small, blue, sans-serif font, separated by small dots.
Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2019 / Civil and Environmental Engineering
Active registration: Year first registered/discipline
2020 / EI Civil, State of LA / No. 34435
Other experience and qualifications relevant to the proposed project:
<p>Ms. Hurm is a Civil and Environmental Engineering graduate of the University of New Orleans (UNO). She is proficient in AutoCAD Civil 3D (2018) MicroStation V8. She is currently an active member of the American Society of Civil Engineers and the American Concrete Institute. The ASCE New Orleans Branch awarded Ms. Hurm the Distinguished Civil Engineer award in Spring 2019. Her previous work experience includes as an UNO engineering tutor to college students and as an engineering intern at Gaea Consultants, LLC, and Keystone Engineering, Inc.</p> <p><i>Ms. Hurm's applicable projects are listed on the following page.</i></p>

## TEC Professional Services Questionnaire

### **Ms. Hurm has worked on the following projects:**

**Plum Orchard Groups C (RR136) and D (RR137) Street Improvements** - New Orleans, LA - Completed a full drainage analysis including all necessary calculations, assumptions and reports. Created the roadway profiles to meet city standards and tie-in to the existing locations at multiple intersections and driveways. Created the complete sub-surface network analysis, for water, sewer, and drainage. Worked with the city to determine the final scope of the project. Also, put together the project specifications, cost estimate, and scoping report. Helped to completed the preliminary design, including 4 full submittals.

**West End Group F (RR198)** - New Orleans, LA - Completed a full drainage analysis including all necessary calculations, assumptions and reports. Created the roadway profiles to meet city standards and tie-in to the existing locations at multiple intersections and driveways. Created the complete sub-surface network analysis, for water, sewer, and drainage. Worked with the city to determine the final scope of the project. Also, put together the project specifications, cost estimate, and scoping report. Helped to completed the preliminary design, including 4 full submittals.

**25th Street Canal Drainage Improvements** - Gretna, LA - Assisted in roadway and drainage design for the creation of green infrastructure and to improve drainage along the 25th Street Canal and surrounding streets.

**St. Charles Parish West Bank Hurricane Protection System (AKA Upper Barataria Risk Reduction Project) - Task Order 4-A (CPRA 002.HP.06)** - St. Charles Parish, LA – Assisted in grant application processes to provide funding for construction. BKI's duties included the preparation of plans and specifications, bidding assistance, construction administration, and permitting. This project is a Louisiana Watershed Initiative Coordination project in conjunction with the Louisiana Coastal Projection and Restoration Authority (CPRA) and the US Army Corps of Engineers.

**St. James Interior Drainage (Matherne, David, Woods Canal)** - St. James Parish, LA - Assisted in construction administration for St. James drainage improvements, reviewing contractor project and product submittals.

**Rural Bridges Replacement Initiative, Phase 1** - Various Parishes, LA - Provided geometric, roadway, and drainage design elements as part of the construction document development to replace 33 bridges on the State Highway System and local roadways in Districts 03, 07, 61, and 62.

**Reynes Street Improvements-FEMA Lower Ninth Ward NW - Group B RR109** - New Orleans, LA - Reviewed contractor's project and product submittals. Conducted bi-weekly progress meetings and coordinated with the contractor and the city on pay applications and field/plan changes. Assisted in the resolution of unforeseen utility conflicts.

**Earhart Expressway - Causeway Boulevard Interchange (SPN H.002861)** - Jefferson Parish, LA -Aided in roadway and structural design and plan development for the new interchange between Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. This project includes a full interchange providing all directions of movement between the two corridors. The interchange fit within a very compact footprint with very unique geometric challenges. The interchange features seven new ramps which include at-grade roadways and bridge structures.

**UBRR State Watershed Assignments** - Lafourche Parish, LA - Assisted in a grant application process for the Louisiana Watershed Initiative to fund the UBRR Segment 3 barge gate flood protection/mitigation project.

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Renee Poole, EI</b> <i>Civil Engineer Intern</i>
<b>Project Assignment</b>
Civil Engineer Intern
<b>Name of Firm with which associated</b>

<b>Years' experience with this Firm:</b>
2
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2019 / Civil and Environmental Engineering
<b>Active registration: Year first registered/discipline</b>
2019 / EI Civil, State of LA / No. 34097
<b>Other experience and qualifications relevant to the proposed project:</b>
<p>Ms. Poole graduated in 2019 with a degree in Civil and Environmental Engineering. She is proficient in MicroStation V8, AutoCAD 2021, HEC-RAS, and HYDR-WIN. Ms. Poole serves as Director and Recreation Committee Chair of the American Concrete Institute, Louisiana Chapter, and is a member of the American Public Works Association. She served as President of the Society of Women Engineers' student chapter, team facilitator of the senior capstone design project, and conference chair of both the ASCE and ACI student chapter. At UNO, her previous work experience includes serving as an engineering tutor to students and as an engineering intern at BLD Services in Kenner, where she worked for three years assisting project managers and engineers on several city sewer, drainage, water maintenance, and capital improvement projects.</p> <p><i>Ms. Poole's applicable projects are listed on the following page.</i></p>

## TEC Professional Services Questionnaire

### **Ms. Poole has worked on the following projects:**

**New Anna Street Sewer Lift Station** - Slidell, LA - Wrote the civil specifications and quantified the civil items. The new station will feature submersible pumps with variable frequency drives that can be pulled to grade through an access hatch in the top slab with an above grade steel platform for access to the electrical controls. Provisions will be in place for connecting an emergency generator.

**25th Street Canal Drainage Improvements Project** - Gretna, LA - Analyzed the existing drainage system throughout the entire neighborhood to determine where to add equalizer pipes, how and where to reroute the flow towards the proposed pump station in a flooding event, and how to overall improve the drainage system. Began preliminary drainage design and completed a conceptual submittal of our preliminary plans for FEMA to review.

**St. James Interior Drainage (Matherne, David, Woods Canal)** - St. James Parish, LA - Reviewed and assisted in preparing final plans for the improvement of lateral ditches and culverts along LA 3125. Assisted in performing Rational Method calculations for sizing culverts and calculating quantities for ditch improvements and outfall armoring. Aided with Construction Administration responsibilities including preparing bid documents, tabulating bids, performing periodic site visits, and generating closeout documents.

**City of Gretna Downtown Drainage Improvements** - Gretna, LA - Providing civil design services and drainage calculations for the preparation of line and grade studies. Preliminary plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, sequence of construction, traffic detour plans, and cross sections. Answered all contractor questions regarding design and specifications. Handled design and specification changes; created all necessary addenda and contract documents; and handled bidding process; as well as construction administration duties including reviewing inspector reports and documents from the contractor; holding progress meetings; and overall monitoring of the project's progress from the consulting engineer's position.

**Plum Orchard Groups C (RR136) and D (RR137) Street Improvements** - New Orleans, LA - Completed a full drainage analysis including all necessary calculations, assumptions and reports. Created the roadway profiles to meet city standards and tie-in to the existing locations at multiple intersections and driveways. Created the complete sub-surface network analysis, for water, sewer, and drainage. Worked with the city to determine the final scope of the project. Also, put together the project specifications, cost estimate, and scoping report. Helped to completed the preliminary design, including 3 full submittals.

**FEMA Lower Ninth Ward Northwest Group B (FRC) Reynes Street Improvements** - New Orleans, LA - Reviewed contractor's project and product submittals and assisted in the preparation of plans, specifications, and detailed quality estimates for a full roadway reconstruction project (Reynes Street from North Claiborne Avenue to Florida Avenue) including new roadway pavement, sidewalks, ADA ramps, driveways, drainage infrastructure, gravity sewer, and water utilities.

**Causeway Blvd. Widening (Airline Drive to West Napoleon Avenue) (PW No. 2017-010-RBP)** - Metairie, LA - Analyzed the existing drainage conditions. Worked with Design Engineering (roadway design) and Jefferson Parish to design a proposed drainage network to utilize as well as add to the existing network. Performed calculations to determine pipe sizes and slopes of the new pipes to work with the existing network.

**Rural Bridge Replacement Initiative projects Phases I and II** - Multiple Parishes, LA - Completed the hydrologic, hydraulic and scour analyses for this project. Found the drainage area, hydrologic length, slope, and soil classification to calculate the existing channel's flow. Cut cross sections of the channel. Created a HEC-RAS model to analyze the existing structure and channel. Worked with the roadway team to determine a suitable low chord for the proposed bridge. Created a new HEC-RAS model for the proposed bridge and new geometry of the channel. Used the HEC-RAS model to analyze the proposed scour. Completed the criteria and hydraulic reports for each site included in this project.

**St. James Parish Interior Drainage Improvements - Driveway Culverts** - St. James Parish, LA - Creating design documents for an inventory of existing driveway drainage culverts including their size, type, and condition.

**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.**

<b>PROJECT NO. 1</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Upgrades to Cardinal Drive Sewer Lift Station (PS 311)</b> <i>Slidell, LA</i></p> <p>Blaine Clancy, PE City of Slidell PO Box 828 Slidell, LA 70459-0828 (985) 646-4273</p>	<p>BKI provided plans and specifications for the replacement of an existing above grade pump station with a submersible, low profile pump station. The current Cardinal Street lift station will be demolished for several reasons, including aging equipment, difficulty of maintenance, and appearance. The new station will feature submersible pumps that can be pulled to grade through an access hatch in the top slab. For maintenance, isolation valves and an emergency pump out will be located above grade allowing the City to isolate the individual pumps and provide bypass. Automatic controls with wet well levels measured by floats will be in the new station. These controls and power wiring will be routed to a main control panel above the base flood elevation. Existing utilities in the neighborhood will be relocated.</p>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>11/2022 (Est.)</p>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	\$275,490	\$275,490
<b>PROJECT NO. 2</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>New Anna Street Sewer Lift Station (PS 452)</b> <i>Slidell, LA</i></p> <p>Blaine Clancy, PE City of Slidell PO Box 828 Slidell, LA 70459-0828 (985) 646-4273</p>	<p>BKI provided plans and specifications to replace an existing pump station in the City's right-of-way along Anna Street. The current station is being demolished due its location behind a private residence, inaccessibility, and aging equipment. The new station will feature submersible pumps with variable frequency drives that can be pulled to grade through an access hatch in the top slab. For maintenance periods, isolation valves and an emergency pump out will be located in a valve vault to provide bypass. The pumps will be controlled automatically by wet well levels measured by float switches. These controls and power wiring will be routed to a main control panel located on a steel platform above the base flood elevation. Provisions will be in place for connecting an emergency generator. The new site will feature a privacy fence and LED lighting for safety.</p>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>Ongoing</p>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	\$636,211	\$636,211

**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>EPA/DOJ Negotiations on Sanitary Sewer System</b> <i>Shreveport, LA</i></p> <p>Steve Vercher, PE City of Shreveport P.O. Box 31109 Shreveport, LA 71130 (318) 426-3660</p>	<p>There are 10 existing City of Shreveport Lift Stations identified by the City / Program that are on temporary bypass due to numerous maintenance issues, past design omissions and/or functionally not performing as needed to properly pump wastewater as required. BKI was contracted to perform a pre-design study (completed on August 28, 2020) and analyzed the results to create a report that identified necessary improvements to these lift stations for scoping design services. Design Services included BKI review confirmation of all existing deficiencies at lift stations and providing a corrective plan to repair or replace equipment, pumps, motors, electrical, controls, valves, piping, flow meters, bypass tees, bypass pumping during construction, ventilation and/or air conditions needed, overhead crane, water service, VFDs (work includes Feazel Electrical services), replace ARVs using a Lidar profile along existing FM alignment, SCADA, access hatches, driveways, drainage, wet-well and manhole coating / repairs as needed, lighting, fencing, abandonment of existing facilities, building modifications, fiberglass buildings, odor control, and other miscellaneous items as identified in the initial report. Deliverables included the designer's Topographic Survey, Construction Plans, Specifications and OPCC for presenting to Program / City in a Stage Gate Meeting for collaboration between Designer / City / Program.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	Ongoing	\$2,433,329
	\$5,688,204	\$2,433,329
<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>St. Bernard Violet Sewer Improvements</b> Violet, LA</p> <p>Hillary Nunez St. Bernard Parish Department of Public Works 1125 St. Bernard Highway Chalmette, LA 70043 (504) 271-1681</p>	<p>BKI provided design services to reduce the effects of rain induced system constrictions in the sanitary sewer system serving Violet, LA. The project included the collection of flow data to determine the affected areas. A hydraulic model was developed and calibrated with field flow data. The design included the construction of four new sanitary sewer pump stations and increased capacity in gravity sewers and new force mains to allow for more efficient collection and transport of sewage during rain events. Two new pump stations located at the north side of the service area and one at the south side of the service area were constructed to increase the conveyance of wastewater to a new transfer pump station that sent the sewer flow from the service area to the Violet WWTP pump station. Modifications were also made to the Violet WWTP to increase efficiency at that location. Design required approval by the Louisiana Office of Homeland Security and Emergency Preparedness and FEMA, BKI also bid and managed construction of this project.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	5/2018 (Actual)	\$ 496,218 (fees)
	\$5,939,899 (construction)	\$ 496,218 (fees)

**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>Kenner Lift Station Vintage at Medoc</b> <i>Kenner, LA</i></p> <p>Tom Schreiner City of Kenner 1610 Rev. Richard Wilson Dr. Kenner, LA 70062 (504) 468-7515</p>	<p>BKI was selected by the City of Kenner to prepare plans, specifications, and estimates for a replacement of the existing sewer lift station at Vintage Dr. and Medoc St. in the City of Kenner. The project scope for the new station consisted of demolishing the existing pump house on the Vintage Drive median; installing new pumps, drive motors and controls; and replacing the concrete slab over the wet well and dry pit with a new control panel on the concrete slab.</p> <p>The existing sewer flow from the old equipment was diverted with a bypass pmp while the new pumps were installed in the dry pit. The new configuration included three (3) new 60 hp drive motors with 8" sewer pumps rated at 1,500 GPM each, manifolded into a single 12" discharge sewer force main. In addition, BKI also provided construction administration services during the construction phase of this project.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	01/2011 (Actual)	\$570,618 (construction)
<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Jeff Parish Sewer Lift Station D-8-2 Upgrade</b> <i>Waggaman, LA</i></p> <p>Brett Todd Jefferson Parish Department of Public Works 1221 Elmwood Park Blvd., Ste. 904, Jefferson, LA 70123 (504) 736-6783</p>	<p>Burk-Kleinpeter, Inc. was selected by the Jefferson Parish Department of Public Works to design a replacement of the existing sewer lift station at Judith and Holmes on the West Bank of Jefferson Parish in the town of Waggaman to resolve a continuing problem with sewer overflows at the site of the existing station.</p> <p>BKI designed a new fiberglass wet well with two new submersible sewer pumps manifolded into a single 12" sewer force main. A new section of 12" sewer force main was also designed to extend the discharge into the next sewer lift station downstream instead of discharging into a gravity sewer manhole, and will eliminate sewer overflow during high flow conditions.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	08/2010 (Actual)	\$1,289,000

**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>Gretna Sewer Lift Station No. 2 &amp; No. 10</b> Gretna, LA</p> <p>Amelia Pellegrin City of Gretna 740 2nd Street Gretna, LA 70053 (504) 363-1556</p>	<p>Burk-Kleinpeter, Inc. was contracted by the City of Gretna to design improvements to the existing sewer lift stations, replacing old deteriorated stations and upgrading station capacity to handle sewage loading and more efficiently transfer flow to the treatment facility.</p> <p><b>Station 2</b> required demolition of the existing dry well modifications to the existing subsurface drainage system to avoid utility conflicts, as well as bypass pumping during construction to maintain system operation between existing station demolition and new station installation. The existing wet well was coated to prevent corrosion and reused.</p> <p><b>Station 10</b> required the installation of 2,670 feet of new 8-inch PVC sewer force main pipe, demolition and replacement of a new wet well, and final grading of the site.</p>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>Stations No. 2 &amp; No. 10: 05/2002 (Actual)</p>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	<p>Station No. 2: \$88,000 Station No. 10: \$128,000</p>	<p>Station No. 2: \$88,000 Station No. 10: \$128,000</p>
<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>St. John Parish Wastewater Lift Station Telemetry System</b> St. John the Baptist Parish, LA</p> <p>Reed Alexander St. John the Baptist Parish 1811 W. Airline Hwy LaPlace, LA 70068 (985) 651-6800</p>	<p>Burk-Kleinpeter, Inc., (BKI), was selected by St. John the Baptist Parish for the Wastewater Lift Station Telemetry System project. This project specifically involved the design of a telemetry system for 50 existing sewerage lift station. BKI was responsible for the detailed design of construction drawings, specifications, and construction administration to support the installation. At each lift station, a new pump station controller, wireless radio, and antenna was installed in order to communicate back to a central location. Scope of work also included the design of structural support stands and all associated conduit, wiring, supports, and all other incidental work required to complete this project.</p>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>12/2014 (Actual)</p>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	<p>\$ 329,000</p>	<p>\$ 329,000</p>

**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>Sewer Lift Station Improvements at Ole Miss / 35th Street</b> Kenner, LA</p> <p>Tom Schreiner, PE City of Kenner 1610 Rev. Richards Wilson Drive Kenner, LA 70062 (504) 468-7515</p>	<p>Burk-Kleinpeter, Inc., (BKI), provided engineering design services - including Preliminary and Final Plans, Specifications, and Construction Cost estimates - to specify a new sewer lift station quadplex control panel with all necessary controls and power feed for a complete and operational system to operate one (1) existing 30 hp and three (3) hp pump motors. The existing quadplex control panel was damaged due to exposure from hydrogen sulfide gas. New power and controls circuits were designed from the new quadplex control panel to the sewer lift station wet well. A new 600 amp services entrance rated automatic transfer switch (ATS) will be specified to replace the existing, damaged ATS. A new electric utility service was routed to the new ATS and a new emergency power service was installed from the existing generator to the new ATS. From the ATS, a new service was designed to the new quadplex sewer lift station control panel. The new electrical distribution equipment and quadplex control panel was installed on a new steel platform structure that included a pile supported concrete foundation with stair access to elevate the equipment.</p>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>07/2020 (Actual)</p>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	\$339,919	\$339,919
<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>24th &amp; Delaware Lift Station Upgrade</b> St. John the Baptist Parish, LA</p> <p>Rick Shread 13016 Justice Ave Baton Rouge, LA 70816 (225) 296-1335</p>	<p>Burk-Kleinpeter, Inc., (BKI), provided engineering design services for the evaluation of the existing 24th St. and Delaware Ave. Sewer Lift Station. The existing generator could not operate the four existing pumps and motors (2- 300 HP motors and 2 -150 HP motors) at the same time. The existing station had a problem with rags and debris, and a long term solution was needed. BKI was a subconsultant to SKA on this project. Our scope of services included sizing a new generator to run all four pumps, motors, and new mechanical bar screens or sewerage grinders. Reviewing the size of new generator for potential upgrade of pumps. Evaluation of the installation for two new mechanical bar screens or sewerage grinders (i.e. Muffin Monsters). Evaluation of operating the existing 150HP pumps with valves being partially closed. The deliverable in this phase of the project was an evaluation report complete with recommendations and opinions of probable construction cost estimates.</p>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>09/2022 (Est.)</p>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	\$1,672,675	\$735,329

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. N/A		
3. N/A		
4. N/A		

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

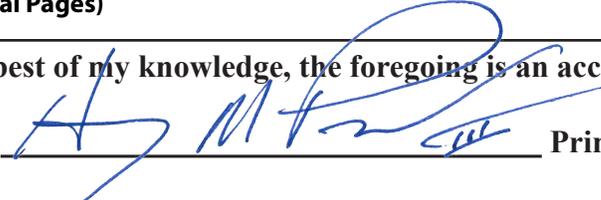


**BURK-KLEINPETER, INC., (BKI)** is pleased to submit our Statement of Qualifications to Jefferson Parish in response to your public notice for **SOQ 22-028 Rehabilitation to Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations**. BKI, a certified small business with over 100 years of experience, is one of the leading consulting firms in the southeast region providing professional engineering (civil, structural, and mechanical), planning, and environmental services to public and private clients throughout the southeastern US. The firm's engineering practice has consistently ranked among the top 20 firms in the southern states and is included regularly in the Top 500 Design Firms in the nation by *Engineering News Record*. This is a major accomplishment for a privately owned, New Orleans based firm. Most recently, we were recognized as part as part of the 2022 UNO25 class which recognizes 25 businesses that are making an impact on the community.

**B**KI's stability and depth of experience has provided numerous state and local public works authorities with consulting services for the successful completion of a wide range of projects. With a multidisciplinary platform of experience and abilities, BKI integrates the proven best practices from all of our disciplines with a keen eye toward meeting clients' big-picture needs in an ever-changing environment. **Headquartered in New Orleans with a branch office in Metairie, BKI has provided engineering services to Jefferson Parish for more than 40 years.** BKI, independently and in coordination with subconsultants, has worked on over a dozen lift station projects and has over 30 years of experience performing a variety of engineering services for civil, mechanical and structural projects in southeastern Louisiana, on the Mississippi Gulf Coast, and in central and coastal Alabama.

(See Additional Pages)

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

Signature:  Print Name: Henry M. Picard, III PE, PLS

Title: Senior Vice President Date: June 30, 2022

**MINIMUM REQUIREMENTS FOR SELECTION**

**1. One principal who is a licensed, registered professional engineer in the State of Louisiana:**

- Michael D. Chopin, PE, BKI's President & CEO, is a principal in the firm and a licensed, registered professional engineer in the State of Louisiana.

**2. A professional in charge of the project who is a licensed, registered professional engineer in the State of Louisiana with a minimum of five (5) years experience in the disciplines involved**

- Henry M. Picard, III, PE, PLS, a Senior Vice President and Civil Engineer, is a Professional in Charge of Project and a licensed, registered professional civil engineer in Louisiana with over 40 years of experience.
- René A. Chopin, III, PE, a Senior Vice President and Civil Engineer, is a Professional in Charge of Project and a licensed, registered professional civil engineer in Louisiana with over 30 years of experience.

**3. One employee who is a licensed, registered professional engineer registered in the State of Louisiana in the applicable discipline involved. (A sub-consultant may meet the requirement only if the advertised project involves more than one discipline.)**

- *Henry M. Picard, III, PE, PLS*, a BKI Senior Vice President and Civil Engineer, is a licensed, registered professional Civil Engineer in Louisiana with over 40 years' experience.
- *René A. Chopin, III, PE*, a BKI Senior Vice President and Civil Engineer, is a licensed, registered professional Civil Engineer in Louisiana with over 30 years' experience.
- *Robert P. Furlow, PE*, a BKI Mechanical Engineer, is a Professional in Charge of Project and a licensed, registered professional mechanical engineer in Louisiana with 15 years' experience.
- *Ralph P. Fontcuberta, Jr., PLS*, a BFM Corporation LLC Executive Vice President, is a registered professional land surveyor in Louisiana with over 55 years' experience.
- *Chad M. Poché, PE*, a Gulf South Engineering and Testing Inc. Principal and Vice President, is a registered professional civil engineer with over 29 years of consulting geotechnical engineering experience.
- *Ray Nolan, PE*, a CEG Electrical Engineer, is a licensed, registered professional electrical engineer in Louisiana with over 25 years experience (subconsultant).

**EVALUATION CRITERIA**

**1. Professional Training and Experience**

BKI has provided **civil, mechanical, and structural engineering** services on a wide range of projects in Jefferson Parish including **lift stations, drainage pump stations, wastewater treatment plants, roadway lighting, emergency generators, and a municipal buildings**. BKI has nurtured a working relationship with the Jefferson Parish Engineering Department as well as the various heads of the Public Works Department to provide detailed project scopes of work and to develop an engineered solution. If we are selected to provide engineering services for the Rehabilitation of the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations, we will use our previous experience and working relationships with the parish and our subconsultant partners to provide a successful project from conceptual design through construction.

BKI's lift station engineering clients include the City of Slidell, the City of Gretna, the City of Shreveport, the City of Kenner, New Orleans Sewerage and Water Board, the City of Ponchatoula, the City of Houston, as well as Jefferson, Orleans, Ascension, St. John the Baptist, St. Bernard, and East Baton Rouge Parishes.

BKI has completed over a dozen lift station projects through the years - from simple standalone projects to complex regional projects.

**Key personnel, with their role on this project in italics, include:**

**Michael D. Chopin, PE** - *Principal / QA/QC; LA Registered Professional Engineer (Minimum Requirement No. 1)*

- **31 years of experience in civil engineering planning, design, and construction of Jefferson Parish projects**
- Wide range of project management experience includes numerous drainage studies, hydraulic models and designs, drainage improvements, levees, floodwalls, flood control projects, roadways, and site development.

**Henry M. Picard, III, PE, PLS** - *Professional in Charge of project; QA/QC;*

*LA Registered Professional Engineer (Minimum Requirements No. 2 & 3)*

- **41 years of experience includes project management of lift station, sewer, WWTP, drainage, and public works projects**

## TEC Professional Services Questionnaire

**Robert Furlow, PE - Mechanical Engineer - LA Registered Professional Engineer**

(Minimum Requirement No. 3)

- 11 years of experience in mechanical engineering in the oil, gas, and petrochemical industries including extensive experience in engineering design, analysis, construction specifications, and equipment selection and procurement.
- Experienced with industry standards ASME B31.3, B31.4 & B31.8

**René A. Chopin III, PE - Chief Engineer/Structural Engineer ; LA Registered Professional Engineer**

(Minimum Requirements No. 2 & 3)

- 33 years of engineering experience in structural including Jefferson Parish Projects
- Has served as Project Manager or Project Engineer on a wide range of structural and infrastructure projects.

**René A. Chopin, IV, PE - Civil Engineer**

- 8 years experience in civil/hydraulic engineering
- Experience includes performing engineering calculations, site layout, plan and specification preparation, estimating project costs, and construction administration for various project types (roadway and drainage improvement, master drainage plans, levee and stormwater prevention and harbor improvement projects).

**Rebecca J. Chopin, PE - Structural Engineer**

- 7 years of experience in structural concrete design
- Typical responsibilities include managing plan production on large scale public works projects, preparing construction documents, leading CAD technicians and engineers, utility coordination, and construction administration.
- Has worked on many project types and sizes in Jefferson Parish.

**Daniel S. Caluda, Jr - Mechanical Designer**

- Over 30 years of experience in Mechanical Design
- Has provided pump station operations supervision as well as training of pump station operators.
- Has provided design services for dozens of pump stations in the Greater New Orleans region and has overseen design and construction of two of the largest pump stations in the world.

**EDUCATION AND EXPERTISE OF PROPOSED STAFF**

NAME	YEARS EXPERIENCE	EDUCATION	EXPERTISE	JEFFERSON PARISH EXPERIENCE
Michael D. Chopin, PE	31	BS, Civil Engineering	QA/QC, Civil Engineering	Yes
Henry M. Picard, III, PE, PLS	41	BS, Civil Engineering	QA/QC; Project Management	Yes
Robert P. Furlow, PE	23	BS, Mechanical Engineering	Professional in Charge of Project	Yes
Rene A. Chopin, III, PE	33	BS, Civil Engineering	Structural Engineer	Yes
Rene A. Chopin, IV, PE	8	BS, Civil Engineering	Civil and Hydraulic Engineer	Yes
Rebecca J. Chopin, PE	9	BS, Civil Engineering	Structural Concrete Design	Yes
Daniel S. Caluda, Jr.	40	BS, Petroleum Engineering	Mechanical Designer	Yes
Bailee L. Hurm, EI	2	BS Civil and Environmental Engineering	Structural Engineer Intern	Yes
Renee Poole, EI	2	BS Civil and Environmental Engineering	Civil Engineer Intern	Yes

## TEC Professional Services Questionnaire

### 2. Capacity for Timely Completion

BKI's past performance attests to its capacity to handle a reasonably large number of projects concurrently without any reduction in quality of design. Our present workload is such that we are able to commit the appropriate resources, including technical and support personnel. Based on BKI's well-established record of providing high quality services within set time frames, we are confident that BKI possesses the necessary manpower to complete any assigned tasks without compromising our standards. Because BKI has a team of experienced construction inspectors and field engineers, BKI can accommodate any field decisions or plan changes quickly and efficiently. Our key staff members are dedicated, seasoned professionals who are equipped to simultaneously handle the needs of multiple projects.

### 3. Location of Principal Office Where Work will be Performed

BKI's Metairie branch will be the main project office. This office is located at 3240 South I-10 Service Road, West, Room 300. Our business hours are 7:30 a.m. to 5:30 p.m., Monday through Thursday, and 7:30 a.m. to 11:30 a.m., on Friday.

### 4. Adversarial Legal Proceedings with Jefferson Parish

BKI has no previous nor ongoing litigation with Jefferson Parish or any segment of the Parish government.

### 5. Prior Successful Projects of the Type and Nature of Lift Station Rehabilitation and Construction

BKI has experience with extensive rehabilitation of lift stations, as well as the rehabilitation of sewer lines dating back to the EPA construction grants program in the 1970s and 1980s. This early work included rehabilitation projects in the upper portion of Jefferson and St. Bernard Parishes. In the intervening period BKI has worked in all areas of sewer collection and treatment from gravity sewer lines to sewer pumping stations to wastewater treatment plants including expansion of several plants in St. Bernard Parish. BKI has recently completed evaluation of one million linear feet of gravity sewer mains in many parishes. BKI determined the most efficient and cost effective means of rehabilitation or replacement of this portion of the sewer collection system. BKI will complete work on the remaining four million linear feet of the sewer collection system over the next 5 years. BKI has just completed two lift station construction / rehabilitation projects for the City of Slidell.

*The following list highlights BKI's experience with verifiable references:*

PROJECT NAME	FIRM ROLE	PROJECT DESCRIPTION	CLIENT REFERENCE
<b>New Anna Street Sewer Lift Station</b>	Prime Consultant	Pump Station Design Civil Engineering Mechanical Engineering Plans & Specifications	Blaine Clancy, PE - <b>City of Slidell</b> P.O. Box 828 Slidell, LA 70459 P: (985) 646-4273 Email: bclancy@cityofslidell.org
<b>Upgrades to Cardinal Drive Sewer Lift Station (PS 311)</b>	Prime Consultant	Pump Station Design Civil Engineering Mechanical Engineering Plans & Specifications	Blaine Clancy, PE - <b>City of Slidell</b> P.O. Box 828 Slidell, LA 70459 P: (985) 646-4273 Email: bclancy@cityofslidell.org
<b>EPA/DOJ Negotiations Shreveport Sanitary Sewer System</b>	Prime Consultant	Conditions Assessment GIS Analysis GIS Map Management Project Management Funding Coordination	Steve Vercher, PE - <b>City of Shreveport</b> 401 Edwards Street, Suite 200 Shreveport, LA 71101 P: (318) 426-3660 Email: steve@bontonassociates.com
<b>Kenner Lift Station Vintage Dr. at Medoc St.</b>	Prime Consultant	Mechanical Engineering Plans & Specifications Cost Estimates Project Management Construction Administration	Tom Schreiner, PE - <b>City of Kenner</b> 1610 Rev. Richard Wilson Drive Kenner, LA 70062 P: 504-468-7515 Email: tschreiner@kenner.la.us

## TEC Professional Services Questionnaire

### 6. Size of Firm

BKI's entire company staff (including branch offices) consists of 52 full-time employees. Thirty-six (36) of these employees work out of our New Orleans headquarters and **Metairie** branch office. These 36 employees are categorized as follows:

ENGINEER	PLANNER	DESIGNER/ DRAFTER	ENGINEERING INTERN	CONSTRUCTION INSPECTOR	ADMINISTRATIVE
<b>Civil: 7; Mechanical: 1; Structural: 4</b>	2	5	2	2	13

Of these employees, we have identified **9** individuals who will make up the core staff to provide services for this project. See Section K for their resumes. In addition, we are able to marshal resources from other experienced staff members in the company.

### 7. BKI's Past Performance on Jefferson Parish Contracts

BKI has performed successfully on numerous Jefferson Parish and public contracts of various types/sizes without time delays, cost overruns, or incomplete/incorrect appraisals.

*Below lists clients and reference information for a variety of projects in Jefferson Parish:*

PROJECT NAME	FIRM ROLE	PROJECT DESCRIPTION	CLIENT REFERENCE
<b>Bridge City WWTP Process Improvements</b>	Prime Consultant	Evaluation & Analysis Civil Engineering Mechanical Engineering Plans & Specifications Resident Inspection Construction Management	Sidney Bazley, II - <b>Jefferson Parish</b> 1221 Elmwood Park Blvd., Suite 803 Jefferson, LA 70123 P: (504) 655-2628 Email: sbazley@jeffparish.net
<b>Marrero WWTP</b>	Prime Consultant	Evaluation and Analysis Civil Engineering Mechanical Engineering Electrical Engineering HVAC Design Plans & Specifications Construction Management	Michael Lockwood - <b>MSHP Jefferson Department of Sewerage</b> 1221 Elmwood Park Blvd., Suite 80 Jefferson, LA 70123 P: (504) 736-6783 Email: jpenvironmental@jeffparish.net
<b>Rosethorne 0.5 MGD WWTP</b>	Prime Consultant	Civil Engineering Mechanical Engineering Electrical Engineering Plans & Specifications Resident Inspection Construction Management	Michael Lockwood - <b>MSHP Jefferson Department of Sewerage</b> 1221 Elmwood Park Blvd., Suite 80 Jefferson, LA 70123 P: (504) 736-6783 Email: jpenvironmental@jeffparish.net
<b>Cheniere Water Storage Tank</b>	Prime Consultant	Mechanical Engineering Structural Engineering Plans & Specifications Project Management Construction Administration Resident Inspection	Sidney Bazley, II - <b>Jefferson Parish</b> 1221 Elmwood Park Blvd., Suite 803 Jefferson, LA 70123 P: (504) 655-2628 Email: sbazley@jeffparish.net

### Conclusion

In the body of this Jefferson Parish Professional Services Questionnaire, BKI has provided the information requested in your Request for Qualifications. We feel we have the manpower, expertise, and equipment to exceed your expectations for **SOQ No. 22-028 Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations, Resolution No. 139102.**

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

Name: Public Address:  
Burk-Kleinpeter, Inc. P. O. Box 19087  
New Orleans, Louisiana 70179

**License/Certificate Information w/ Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000124	Active	09/12/1984	09/30/2023	Mr. Rene Adrian Chopin III # PE.0025174 - Active

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

Name: Public Address:  
Burk-Kleinpeter, P. O. Box 19087  
Inc. New Orleans, Louisiana 70179

**License/Certificate Information w/ Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000024	Active	09/12/1984	09/30/2023	Mr. Henry Maurice Picard III # PLS.0004736 - Active

## Self-Certification demonstrating the status of Burk-Kleinpeter, Inc. as a Small Business

# Are you a small business eligible for government contracting?

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541330 Engineering Services	<b>Small Business Size Standards</b> \$16,500,000 annual revenue	 <b>YES</b>
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<b>Exception #1</b> Military and Aerospace Equipment and Military Weapons	<b>Small Business Size Standards</b> \$41,500,000 annual revenue	 <b>YES</b>
--	---	---

<b>Exception #2</b> Contracts and Subcontracts for Engineering Services Awarded Under the National Energy Policy Act of 1992	<b>Small Business Size Standards</b> \$41,500,000 annual revenue	 <b>YES</b>
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<b>Exception #3</b> Marine Engineering and Naval Architecture	<b>Small Business Size Standards</b> \$41,500,000 annual revenue	 <b>YES</b>
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Results derived from the "Measure My Business" tool at [www.sba.gov/size](http://www.sba.gov/size) demonstrating that Burk-Kleinpeter, Inc. is a "small" business according to the SBA standard for our industry (NAISC codes).

TEC Professional Services Questionnaire

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

**Mr. Michael David Chopin**

License/Certificate Type - Number	Expiration Date
PE.0026797	09/30/2022

Status: **Active**

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

**Mr. Henry Maurice Picard III**

License/Certificate Type - Number	Expiration Date
PE.0022289	03/31/2023

Status: **Active**

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

**Mr. Henry Maurice Picard III**

License/Certificate Type - Number	Expiration Date
PLS.0004736	03/31/2023

Status: **Active**

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

**Mr. Robert P. Furlow**

License/Certificate Type - Number	Expiration Date
PE.0035966	03/31/2023

Status: **Active**

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

**Mr. Rene Adrian Chopin III**

License/Certificate Type - Number	Expiration Date
PE.0025174	09/30/2023

Status: **Active**

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

**Ms. Rebecca Jensen Chopin**

License/Certificate Type - Number	Expiration Date
PE.0041841	03/31/2022

Status: **Active**

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

**Mr. Rene Adrian Chopin IV**

License/Certificate Type - Number	Expiration Date
PE.0042349	09/30/2022

Status: **Active**

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

**Ms. Bailee Leah Hurm**

License/Certificate Type - Number	Expiration Date
EI.0034435	09/30/2022

Status: **Active**

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

**Ms. Renee Poole**

License/Certificate Type - Number	Expiration Date
EI.0034097	09/30/2023

Status: **Active**

**BFM Corporation, LLC**  
**TEC Questionnaire**



## TEC Professional Services Questionnaire

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

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

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

**B. Firm Name & Address:**



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

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

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

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

504-468-8800 • 504-460-5239 cell • cpoche@bfmcorporation.com

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

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

**Ralph P. Fontcuberta, Jr., Executive Vice President • LA License No. 4329 (1974)**

504-468-8800 • 504-451-7500 cell • ralph@bfmcorporation.com

Registered Professional Land Surveyor, Louisiana No. 4329 (since 1974)

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

4	Administrative	-	Estimators	-	Specification Writers
-	Architects (Licensed)	-	Geologists	-	Structural Engineers
-	Chemical Engineers	1	Geotechnical Engineers	-	Graduate Engineers
-	Civil Engineers	-	Interior Designers	2*	Project Managers
-	Construction Inspectors	-	Landscape Architects	-	Clerical ( <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	Principals
2	Professional Land Surveyors			1	Researcher/Archivist
				3	Drafting/AutoCADD
				5	Survey Crew Chiefs
				6	Instrument Men
				<b>24</b>	<b>TOTAL</b>

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

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

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

## TEC Professional Services Questionnaire

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

1. **N/A**

2.

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

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

Name & Address:	Specialty:	Worked with Prime Before (Yes or No):
1. <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:**

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

**Years experience with this Firm:**

40 years (Founding Principal of BFM in 1982); 55 years total (1967)

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

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

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

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

- Sewer Lift Station D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, LA
- 2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, LA
- Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction, Jefferson Parish, LA
- Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA
- Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA
- Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA
- Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA
- Lift Station F8-3, Metairie, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Harvey, Jefferson Parish, LA
- Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA
- Sewer Lift Station Upgrades (5th Avenue and 9th Street), Harvey, Jefferson Parish, LA
- Lift Station E3-2 (Elmwood & Citrus), Metairie, Jefferson Parish, LA
- Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Lift Station K-11-3, Marrero, Jefferson Parish, LA
- Lift Station F7-12 (Grace King and Rockford), Metairie, Jefferson Parish, LA
- Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA
- Lift Station E5-4, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Lift Station Generator Installation (L-11-2, WB Expressway & Eiseman), Marrero, Jefferson Parish, LA
- Lift Station G4-2B Sewer Lift Station Rehabilitation (Scott St at Causeway Blvd), Jefferson Parish, LA
- Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Kennedy Heights Sewer Lift Station C9-2 (Live Oak Boulevard), Westwego, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA
- Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA
- Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA
- Lakeside Mall Lift Station Servitude, Jefferson Parish, LA
- Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA
- Emergency Generators for Sewer Lift Stations and Pump Stations, Jefferson Parish, LA

## TEC Professional Services Questionnaire

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

**Name & Title:**

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

**Project Assignment:**

Engineering Liaison

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

5 years (became partial owner of BFM in 2017); 29 years total (1993)

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

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

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

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

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

Mr. Poché is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations; and expert witness testimony. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

BFM Corporation projects overseen by Mr. Poché would include:

## TEC Professional Services Questionnaire

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

*Chad M. Poché, P.E. (continued)*

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

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

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

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

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

**Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA.** BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found. (\$2,970 (fee); 2021)

## TEC Professional Services Questionnaire

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

**Name & Title:**

**John Philip Thayer**  
Field Operations Supervisor

**Project Assignment:**

Field Operations Supervisor

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

14 years (joined BFM in 2008); 15 years total (2007)

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

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

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

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

*John Philip Thayer (continued)*

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

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

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

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

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

**5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA.** BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. (\$6,790 (fee); 2019)

## TEC Professional Services Questionnaire

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

**Name & Title:**

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

**Project Assignment:**

Registered Professional Land Surveyor; Project Manager/Drafting Supervisor

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

4 years (joined BFM in 2018); 11 years total

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

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

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

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

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

Mr. Lambert provides Project Management and Drafting Oversight for the firm. He has also provided Survey Crew Chief Services since joining BFM and offers a well-rounded experience overview for any project. Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).

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

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

## TEC Professional Services Questionnaire

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

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

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

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

**5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA.** BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. (\$6,790 (fee); 2019)

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Christopher Lemley**  
Quality Control Supervisor

**Project Assignment:**

Quality Control Supervisor

**Name of Firm with which associated:**



**Years experience with this Firm:**

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

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

*High School Diploma*

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

N/A

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

Mr. Lemley serves as BFM's Quality Control Supervisor, overseeing all work and activity by the firm's personnel to be sure all is kept up to our exacting standards. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station.

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Thomas O. Wright**  
Survey Crew Chief

**Project Assignment:**

Survey Crew Chief

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

14 years (joined BFM in 2008); 45 years total (1977)

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

*High School Diploma*

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Curtis "Jay" Barrios**  
Survey Crew Chief

**Project Assignment:**

Survey Crew Chief

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

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

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

*High School Diploma*

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

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Eric Gladney**  
Survey Crew Chief

**Project Assignment:**

Survey Crew Chief

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

8 years (joined BFM in 2014); 21 years total (2001)

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

*High School Diploma*

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

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

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

**Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA.** BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found. (\$2,970 (fee); 2021)

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

**N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA.** BFM provided boundary and topographic surveying services for the project. (\$7,048 (fee); 2016)

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Jeff Patin**  
Survey Crew Chief

**Project Assignment:**

Survey Crew Chief

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

3 years (joined BFM in 2019); 23 years total (1999)

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

*High School Diploma*

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

*Transportation Work Identification Card (TWIC)*

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

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Anthony Watson**  
CADD Technician

**Project Assignment:**

CADD Technician

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

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

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

*Coursework - CAD, Avatech Solutions, Los Colinas, TX*

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

NA

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

Mr. Watson has experience as a draftsman/CADD technician, having started his career as an intern with the Surveying Department of the City of Plano, TX. His experience through the years includes manual and computer-aided drafting for a wide range of projects, ranging from small lot surveys to subdivisions to municipal treatment and private industrial plants. He has experience in all facets of surveying (boundary, topographic, ALTA/ACSM, plan & profile, etc.) in both drafting and field environments.

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Shaun Clements**  
CADD Technician

**Project Assignment:**

CADD Technician

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

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

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

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

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

NA

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

**Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA.** BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found. (\$2,970 (fee); 2021)

**Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA.** BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2021)

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Kevin A. Roberts**  
CADD Technician

**Project Assignment:**

CADD Technician

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

4 years (joined BFM in 2018); 37 years total (1985)

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

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

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

NA

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

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

**5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA.** BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. (\$6,790 (fee); 2019)

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Dawn Hoffman**  
Researcher/Archivist

**Project Assignment:**

Researcher/Archivist

**Name of Firm with which associated:**

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

**Years experience with this Firm:**

13 years (joined BFM in 2009); 25 years total (1997)

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

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

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

NA

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

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

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

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

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

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

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

### PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p><b>Three Sewer Lift Station Sites (G8-1, G8-3, &amp; H8-4B) &amp; Sewer Force Main Construction Survey,</b> Jefferson Parish, Louisiana</p> <p><b>ECM Consultants, Inc.</b> 4409 Utica Street Suite 200 Metairie LA 70006</p> <p><b>Sunina Shrestha,</b> 504-885-4080 mail@ecmconsultants.com</p>	<p>BFM Corporation provided Topographic &amp; Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground &amp; underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope.</p>	
<b>Completion Date (Actual or estimated):</b>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2021	N/A	\$28,950 (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>2700 Destrehan Sewer Lift Station Servitude Survey</b>, Harvey, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish Sewerage Department</b> 1221 Elmwood Park Blvd Ste 803 Jefferson LA 70123</p> <p><b>Sid Trouard, P.E.</b>, 504-736-6661 strouard@jeffparish.net</p>	<p>BFM prepared a Servitude Survey for the 2700 Destrehan Sewer Lift Station; the survey built upon and served to revise BFM's previous work on the project site in 2019 which involved a full boundary survey update. The scope of services involved establishing both a temporary construction servitude (105 ft. x 70 ft.) and a permanent servitude (45 ft. x 40 ft.).</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
March 2022	N/A	\$4,200 (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>Sewer Lift Station (Coventry Court &amp; Jefferson Highway)</b>, River Ridge, Jefferson Parish, Louisiana</p> <p><b>Professional Engineering &amp; Environmental Consultants (PEEC), Inc.</b> 1065 Muller Parkway, Suite B Westwego LA 70094</p> <p><b>Jeff Meyers</b>, 504-347-1900 jeff@peecinc.com</p>	<p>BFM Corporation provided boundary and topographic surveying services for the Sewer Lift Station (Coventry Court &amp; Jefferson Highway) project site in River Ridge, LA. Included in the project were establishing a Construction Benchmark (CBM), Temporary Benchmark (TBM), and location of improvements, utilities, and property corners, as well as taking spot elevations. A Finished Floor Elevation (FFE) was also obtained for the lift station compound and the existing electrical slab.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
September 2020	N/A	\$5,910 (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>Sewer Lift Station K-11-1,</b> Marrero, Jefferson Parish, Louisiana</p> <p><b>Infinity Engineering Consultants, LLC</b> 2626 Canal St Ste 202 New Orleans LA 70119</p> <p><b>Louis L. Jackson, P.E.,</b> 504-304-0548 ljackson@infinityec.com</p>	<p>BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above &amp; below ground level), and determination of pipes in the project area. Spot elevations were also taken.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
August 2020	N/A	\$7,090 (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>Sewer Lift Station F8-3,</b> <b>W. Esplanade Ave. at Houma Blvd.,</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Richard C Lambert, Consulting Engineers</b> 900 W Causeway Approach Mandeville LA 70471</p> <p><b>Franz J. Zemmer, P.E.,</b> 985-727-4440 fzemmer@rclconsultants.com</p>	<p>BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
January 2021	N/A	\$2,970 (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>Destrehan Lift Station Upgrades,</b> Harvey, Jefferson Parish, Louisiana</p> <p><b>Principal Engineering</b> 1011 N Causeway Blvd Suite 19 Mandeville LA 70471</p> <p><b>Henry DiFranco,</b> 985-624-5001 henry@pi-aec.com</p>	<p>BFM Corporation executed boundary and topographic surveying services for the 2700 Destrehan Lift Station project in Harvey, LA. The scope of services included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
July 2019	N/A	\$11,710 (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>Sewer Lift Station L-13-6, Ehret Road,</b> Marrero, Jefferson Parish, Louisiana</p> <p><b>H. Davis Cole &amp; Associates, Inc.</b> 1340 Poydras Street Suite 1850 New Orleans LA 70112</p> <p><b>David Martin, P.E.,</b> 504-836-2020 dmartin@hdaviscole.com</p>	<p>BFM's surveying scope involved topographic and boundary surveying services for the project in Marrero. BFM established a baseline parallel to Ehret Road, with the beginning, end, and points of intersection referenced by three point ties to topographic features in the area. With the limits of survey established (Ehret Road, Weatherly Place, Crestridge Circle, and Broas Drive), BFM plotted the location of improvements. Visible above-ground utilities &amp; below-ground utilities with visible surface evidence were also plotted.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
February 2019	N/A	\$8,790 (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>Sewer Lift Station Upgrades (5th Avenue and 9th Street),</b> Harvey, Jefferson Parish, Louisiana</p> <p><b>Professional Engineering &amp; Environmental Consultants (PEEC), Inc.</b> 1065 Muller Parkway, Suite B Westwego LA 70094</p> <p><b>Jeff Meyers, 504-347-1900</b> jeff@peecinc.com</p>	<p>BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue &amp; 9th Street. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
January 2019	N/A	\$6,790 (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>Saddler Street Sewer Lift Station,</b> Marrero, Jefferson Parish, Louisiana</p> <p><b>Richard C Lambert, Consulting Engineers</b> 900 W Causeway Approach Mandeville LA 70471</p> <p><b>Franz J. Zemmer, P.E., 985-727-4440</b> fzemmer@rclconsultants.com</p>	<p>BFM provided topographic surveying services for the project, located near the West Bank Expressway Access Road. The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. BFM plotted location of improvements within the designated Limits of Survey. Visible above-ground utilities and below-ground utilities with visible surface evidence were also plotted. Cross sections were taken on a 25 foot grid within the limits of survey. Deliverables included hardcopy and AutoCAD DWG format files.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
May 2018	N/A	\$5,715 (fee)

## TEC Professional Services Questionnaire

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

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

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

# **BFM CORPORATION, LLC**

**Professional Land & Hydrographic Surveying**

### CRITERIA 1 • PROFESSIONAL TRAINING AND RELEVANT PROJECT EXPERIENCE

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

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

Our capabilities include the following and more:

- **Topographic Surveying**
- **Drone Surveying / Photogrammic and LiDAR**
- **Bathymetric / Hydrographic Surveys**
- **Property, Boundary, and Right-of-Way Surveys**

## TEC Professional Services Questionnaire

N. continued.

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

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

Our **Survey Field Crews** are equipped with Leica Captivate Data Collectors as well as Leica GPS Smart Antennas. Each GPS unit is linked to the Leica SmartNet Network, giving each crew the ability for Real Time Kinematic Positioning (RTK), derived from the Global Navigation Satellite System (GNSS). Crews are outfitted with Leica TS series robotic total stations, simplifying and expediting projects. Furthermore, BFM has photogrammetry included into our GS18 GPS Receivers that allow our technicians to capture and utilize point cloud data in the field. The tilt functionality built into the GPS receivers allows for shooting without leveling the rod; this greatly increases speed of fieldwork while keeping accuracy and precision intact. BFM's crews are trained to use this equipment to its full potential to maximize efficiency and accuracy in the field.

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

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

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

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

# TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

## CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

## CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

## CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

## TEC Professional Services Questionnaire

**N. continued.**

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

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

### **CRITERIA 6 • SIZE OF FIRM**

As noted, BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by the contract or project engineer. BFM has no issue with meeting the project deadlines set forth by our clients, both municipal and private. It is our continual goal to keep this reputation solid. Further, we establish base costs and fees for our services, and work with our clients to meet all project budgets.

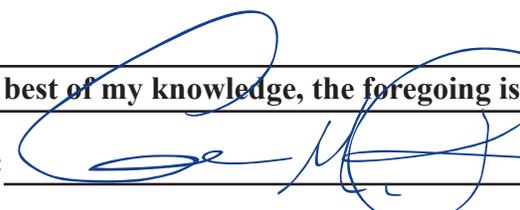
As noted in **item E of this form**, BFM currently has a **full time staff of two dozen people**, including **two Registered Professional Land Surveyors, Survey Field Crew Personnel, and AutoCAD drafting personnel**, as well as **complete administrative and support staff**.

### **CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS**

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

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

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

Signature:  Print Name: Chad M. Poché, P.E.  
Title: Executive Vice President Date: June 16, 2022

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

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

**License/Certificate Information w/ Supervision**

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



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

**Mr. Ralph P. Fontcuberta Jr.**

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

Status: **Active**



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

**Mr. Chad Mitchell Poche**

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

Status: **Active**



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

**Mr. Gary James Lambert Jr.**

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

Status: **Active**



Division of Small and Emerging Business Development  
SEBD CERTIFICATION

## BFM CORPORATION, LLC

is hereby certified as a Small and Emerging Business Enterprise.

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

Issued at Baton Rouge, Louisiana 7/19/2019

This certification expires on: 7/19/2029

Certification No. 9551

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



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

## BFM CORPORATION, LLC

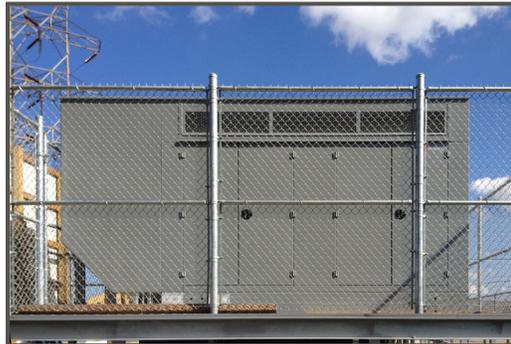
is Certified-Active as a Small Entrepreneurship with Louisiana Economic Development's Hudson Initiative.

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

Certification No. 9551

Stephanie Hartman,  
Director, Small Business Services

Gulf South Engineering and Testing, Inc.  
TEC Questionnaire



## TEC Professional Services Questionnaire

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

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

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

**B. Firm Name & Address:**



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

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

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

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

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

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

6	Administrative	-	Estimators	-	Specification Writers
-	Architects (Licensed)	-	Geologists	-	Structural Engineers
-	Chemical Engineers	2	Geotechnical Engineers	1	Graduate Engineers
-	Civil Engineers	-	Interior Designers	-	Project Managers
10	Construction Inspectors	-	Landscape Architects	-	Clerical ( <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

**32\* TOTAL**

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

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

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

## TEC Professional Services Questionnaire

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

1. N/A

2.

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

**I. List all subcontractors anticipated for this Project. Please note that 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:**

**32 (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:**

11 years with this firm (2011); 29 years total (1993)

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

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

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

*Chad M. Poché, P.E. (continued)*

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Blake E. Vutera, P.E.**  
Engineering Manager

**Project Assignment:**

Geotechnical Engineer

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

10 years with this firm (2012); 16 years total (2006)

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

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

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

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

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

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

**Project Assignment:**

Laboratory Manager; Laboratory Technician

**Name of Firm with which associated:**



**Years experience with this Firm:**

11 years with this firm (2011); 16 years total (2006)

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

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

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

N/A

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

Trey Binder has direct experience with field and laboratory testing services. Mr. Binder's field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.

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

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

**Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$15,000 (fee); 2019)

## TEC Professional Services Questionnaire

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

*Joseph H. Binder, III (continued)*

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

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

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

**Project Assignment:**

Associate Geotechnical Engineer/Engineering Intern

**Name of Firm with which associated:**



**Years experience with this Firm:**

3 years with this firm (2019); 5 years total (2017)

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

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

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

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

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

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

- Society of Women Engineers
- American Society of Civil Engineers

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

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

## TEC Professional Services Questionnaire

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

*Sarah E. Lockwood (continued)*

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Bryson S. Beard, E.I.**

Associate Geotechnical Engineer/Field Engineer

**Project Assignment:**

Associate Geotechnical Engineer/Field Engineer

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

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

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

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

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

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

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

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

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

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

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

## TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

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

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

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

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

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

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p><b>Lift Station F-8-3 Replacement,</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b> <b>c/o Richard C. Lambert Consultants, LLC</b> 900 West Causeway Approach Mandeville LA 70471</p> <p><b>Franz J. Zemmer, 985-727-4449</b> fzemmer@rclconsultants.com</p>	<p>Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020 March	N/A	\$8,500 (fee)

### PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p><b>Ole Miss Sewer Force Main,</b> City of Kenner, Louisiana</p> <p><b>City of Kenner Public Works Department</b> <b>c/o Digital Engineering</b> 527 West Esplanade Avenue Suite 200 Kenner LA 70065</p> <p><b>Frank T. Liang, P.E., 504-468-6129</b> fliang@deii.net</p>	<p>Geotechnical engineering services for the construction of a new sewer force main along Ole Miss Drive from the John Hopkins Lift Station to 35th Street within Kenner, LA. The force main will be 10-inches in diameter, approximately 2,100 linear feet, and installed 10 to 15 feet deep via directional drilling. Gulf South's scope includes drilling four undisturbed soil borings to depths of 20 feet below the ground surface, laboratory testing, engineering analyses (including soil bearing values, bedding &amp; backfill, and settlement) and general construction procedures and 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>
2021 February	N/A	\$8,000 (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>Lift Station F-13-6 Replacement,</b> Marrero, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b> <b>c/o H. Davis Cole &amp; Associates, LLC</b> 1340 Poydras St Ste 1850 New Orleans LA 70112-5278</p> <p><b>David M. Martin, P.E., 504-836-2020</b> dmartin@hdaviscole.com</p>	<p>Geotechnical investigation for construction of a new lift station replacing an existing one off Ehret Road and Broas Street in Marrero, LA. Gulf South's scope includes drilling a single 80 ft. undisturbed soil boring, lab testing, and engineering analyses including below grade foundation recommendations, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction procedures and recommendations.</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 February	N/A	\$7,900 (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>Lift Station Upgrade</b> <b>(24th Street and Delaware Avenue),</b> City of Kenner, Louisiana</p> <p><b>City of Kenner</b> <b>c/o Shread-Kuyrkendall &amp; Associates, Inc.</b> 104 Campus Drive East Destrehan LA 70047</p> <p><b>Steve P. Breeding, P.E., 985-764-4060</b> sbreeding@skaengr.com</p>	<p>Geotechnical engineering services for construction of a new generator pad and wet well located at 24th Street and Delaware Avenue in Kenner, LA. Gulf South's scope of services includes drilling two borings to a depths of 70 feet (1 boring for wet well) and 50 feet (1 boring for generator pad) below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding &amp; backfill, and estimates of settlement) and general construction procedures and 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>
2022 March	N/A	\$7,500 (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>New Sewer Lift Station</b> <b>(Elmwood Park Blvd. &amp; Citrus Blvd.),</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b> <b>c/o Pivotal Engineering, LLC</b> 1515 Poydras Street Suite 1875 New Orleans LA 70112</p> <p><b>Yoseph Shifare, E.I., 504-799-3653</b> yshifare@pivotaleng.com</p>	<p>Geotechnical investigation for construction of a new sewer lift station near the intersection of Elmwood Park Boulevard and Citrus Boulevard in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft), lab testing, and engineering analyses including net allowable soil bearing values (as appropriate), below grade foundation recommendations, allowable pile load capacities (timber), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations.</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 September	N/A	\$7,500 (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>New Sewer Lift Station</b> <b>(Butler Drive &amp; Grambling Street),</b> Waggaman, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b> <b>c/o Professional Engineering &amp; Environmental Consultants (PEEC), Inc.</b> 1065 Muller Parkway Suite B Westwego LA 70094</p> <p><b>Jeff Meyers, 504-347-1900</b> jeff@peecinc.com</p>	<p>Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling Street in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations.</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 July	N/A	\$7,500 (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>New Sewer Lift Station (Toulouse Avenue &amp; Smith Drive), Metairie, Jefferson Parish, Louisiana</b></p> <p><b>Jefferson Parish c/o Pivotal Engineering, LLC 1515 Poydras Street Suite 1875 New Orleans LA 70112</b></p> <p><b>Yoseph Shifare, E.I., 504-799-3653 yshifare@pivotaleng.com</b></p>	<p>Geotechnical investigation for a new sewer lift station (8 ft. diameter and 20 ft. bgs) at intersection of Toulouse Ave. and Smith Dr. in Metairie, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2018 August	N/A	\$7,500 (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>Jefferson Parish c/o Bryant Hammett &amp; Associates, LLC 1201 S. Puperia Avenue Unit 301 Gonzales LA 70737</b></p> <p><b>Bruce K. Dyson, P.E., PLS, 225-450-1721 bdyson@bha-engineers.com</b></p>	<p>Geotechnical investigation for the construction of a new lift station near Melrose Lane and Walter Road in River Ridge, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, below ground foundation recommendations, allowable pile load capacities, estimates of settlement, and general construction procedures and recommendations.</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 February	N/A	\$7,500 (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>Lift Station Rehabilitation (Wildcat Lane),</b> Destrehan, St. Charles Parish, Louisiana</p> <p><b>St. Charles Parish Government</b> <b>c/o Stuart Consulting Group, Inc.</b> 1018 Central Ave Ste 200 Metairie LA 70003</p> <p><b>Chris Blazo, 504-888-5733</b> chrisb@stuartconsultinggroup.com</p>	<p>Geotechnical engineering services for rehabilitation of an existing below grade sewer lift station off Wildcat Lane in Destrehan, LA. Gulf South's scope includes drilling a single boring to a depth of 70 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding &amp; backfill, and estimates of settlement) and general construction procedures and 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>
2022 June	N/A	\$5,800 (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>Sewer Lift Station No. F6-2 (W. Napoleon Blvd.),</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b> <b>c/o ECM Consultants, Inc.</b> 1301 Clearview Parkway Suite 200 Metairie LA 70001</p> <p><b>Susina Shrestha, P.E., 504-885-4080</b> sshrestha@ecmconsultants.com</p>	<p>Gulf South provided geotechnical engineering services for upgrading an existing below grade sewer lift station (No. F6-2) off West Napoleon Boulevard in Metairie, LA. Gulf South's scope includes drilling a single boring to a depth of 60 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, bedding &amp; backfill, pile capacities, and estimates of settlement) and general construction procedures and 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>
2022 May	N/A	\$5,000 (fee)

## TEC Professional Services Questionnaire

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

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

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



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

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

# TEC Professional Services Questionnaire

**N. continued.**

## **Geotechnical Engineering Services**

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

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

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

## **Field Investigation Services**

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

## **Laboratory Testing Services**

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

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

## **Construction Materials Testing & Inspection**

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

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

# TEC Professional Services Questionnaire

## **N. continued.**

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

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

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

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

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

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

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

### **CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE**

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

### **CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH**

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

### **CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS**

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

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

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

# TEC Professional Services Questionnaire

**N. continued.**

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

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

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

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

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

## **CRITERIA 6 • SIZE OF FIRM**

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

## **CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS**

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

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

## TEC Professional Services Questionnaire

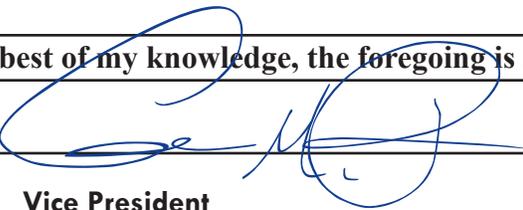
### N. continued.

- Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA
- Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA
- Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA
- Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, Jefferson Parish, LA
- Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA
- Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA
- West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA
- Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA
- Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA
- Westgate Drainage Improvements, Metairie, Jefferson Parish, LA
- Bike Path Soil Borings, Jefferson Highway to Northline Street, Jefferson Parish, LA
- Green Acres Road - New Street Lighting, Metairie, Jefferson Parish, LA
- Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA
- Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA
- Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA
- Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA
- Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA
- Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA
- St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA
- Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA
- David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA
- Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA
- Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA

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

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

Signature:



Print Name:

Chad M. Poché, P.E.

Title:

Vice President

Date:

June 13, 2022

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

**Name:**

Gulf South Engineering and Testing, Inc.

**Public Address:**

Mr. Chad Poche, PE 15 Veterans Memorial Boulevard  
Kenner, Louisiana 70062

**License/Certificate Information w/ Supervision**

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



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

**Mr. Chad Mitchell Poche**

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



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

**Mr. Blake Elliot Vutera**

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



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

**Ms. Sara Elinor Lockwood**

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



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

**Mr. Ralph P. Fontcuberta Jr.**

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



**DIVISION OF SMALL BUSINESS SERVICES**

This certification acknowledges that

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

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

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

Certification No. 11011

A handwritten signature in black ink, appearing to read "Stephanie Hartman", is written over a horizontal line.

**Stephanie Hartman,**  
Director, Entrepreneurial Services





Regional Transit Authority

July 1, 2021

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

Dear Ms. Poche:

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

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

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

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

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

Sincerely,

Adonis C. Expose'  
DBE/SBE Liaison Officer III

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2817 Canal Street | New Orleans, Louisiana 70119 | 504-827-8300 | [www.RTAforward.org](http://www.RTAforward.org)



**GULF SOUTH**

ENGINEERING AND TESTING, INC.  
Geotechnical & Materials Consultants



# CERTIFICATE OF ACCREDITATION



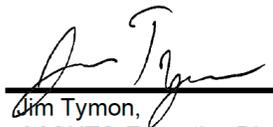
## Gulf South Engineering and Testing, Inc.

in

### Kenner, Louisiana, USA

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

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories ([aashtoresource.org](http://aashtoresource.org)).

  
Jim Tymon,  
AASHTO Executive Director

  
Moe Jamshidi,  
AASHTO COMP Chair

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



USACE CERTIFICATE  
OF  
LABORATORY VALIDATION



**Gulf South Engineering and Testing**

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

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

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

**02 JUN 2020 AT 18:10 HOURS**

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

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

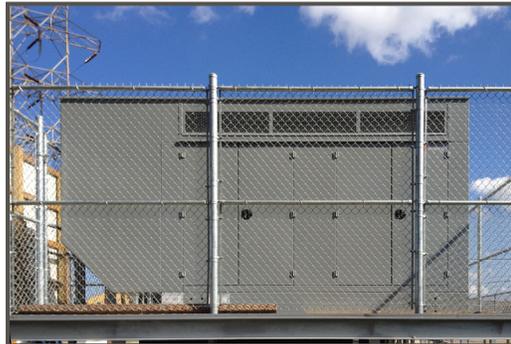
Chad A. Gartrell, PE, Director  
USACE Materials Testing Center  
Vicksburg, Mississippi, USA

**SOILS**

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



Creative Engineering Group, LLC  
TEC Questionnaire



TEC Professional Services Questionnaire

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

SOQ No. 22-028 Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations - Resolution 139102

**B. Firm Name & Address:**



201 Highland Park Plaza  
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:**

Raymond H. Nolan, II, PE - Owner/Senior Engineer, (985) 249-5706, rnolan@ceg-itl.com

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

Raymond H. Nolan, II, PE - Owner/Senior Engineer, (985) 249-5706, rnolan@ceg-itl.com

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

- |  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> 1 Administrative       | <input type="checkbox"/> Estimators              | <input type="checkbox"/> Specification Writers     |
| <input type="checkbox"/> Architects (Licensed)             | <input type="checkbox"/> Geologists              | <input type="checkbox"/> Structural Engineers      |
| <input type="checkbox"/> Chemical Engineers                | <input type="checkbox"/> Geotechnical Engineers  | <input type="checkbox"/> Graduate Engineers        |
| <input type="checkbox"/> Civil Engineers                   | <input type="checkbox"/> Interior Designers      | <input type="checkbox"/> Project Managers          |
| <input type="checkbox"/> Construction Inspectors           | <input type="checkbox"/> Landscape Architects    | <input type="checkbox"/> Clerical                  |
| <input type="checkbox"/> Ecologists                        | <input type="checkbox"/> Land Surveyor           | <input type="checkbox"/> Grant/Funding Specialist  |
| <input checked="" type="checkbox"/> 1 Electrical Engineers | <input type="checkbox"/> Mechanical Engineers    | <input type="checkbox"/> Sanitary Engineers        |
| <input type="checkbox"/> Engineer Intern                   | <input type="checkbox"/> Environmental Engineers | <input type="checkbox"/> Planners                  |
| <input type="checkbox"/> Professional Land Surveyors       | <input checked="" type="checkbox"/> 2 CADD       | <input checked="" type="checkbox"/> 1 Designers    |
|  |  | <input checked="" type="checkbox"/> <b>5 TOTAL</b> |

**F. Is this submittal by a JOINT-VENTURE? Please check: YES \_\_\_ NO**   
If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

**TEC Professional Services Questionnaire**

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

1. N/A

2. N/A

**H. Has the JOINT-VENTURE previously worked together? Please Check YES NO**

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

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

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

5

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:

**Raymond H. Nolan, II, PE**  
*Owner / Senior Engineer*

Project Assignment

Electrical Engineering Support

Name of Firm with which associated



Years' experience with this Firm:

>15

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1991 / Electrical Engineering  
Master of Science / 1994 / Electrical Engineering

Active registration: Year first registered/discipline

1997 / PE Electrical, State of LA / No. 27697

Other experience and qualifications relevant to the proposed project:

Mr. Nolan is the Owner and Senior Engineer at CEG, LLC. He has over 25 years experience in electrical engineering, including power distribution, emergency generators, lighting and controls, fire alarm systems, telephone and data infrastructure, intercom and security systems.

*Mr. Nolan's applicable projects are listed on the following page.*

## TEC Professional Services Questionnaire

### **Mr. Nolan has worked on the following sewer projects:**

**25th Street Canal Drainage Improvements Project (Resiliency District)** – Gretna, LA – Provided electrical engineering services on the design for a new pump station with 350 CFS capacity to provide the 25th Street Subdivision residential area drainage in Jefferson Parish.

**Cheniere Water Tank Storage** – Grand Isle, LA - Provided electrical, lighting, and controls design for a new potable water pump station. Pump station design included powering pumps, powering mechanical equipment, sizing 50 Kw backup generator, and coordinating valve and pump controls, SCADA interface.

**Jefferson Parish District Attorney's Second Floor Buildout** – Jefferson Parish, LA - Provided electrical engineering services. Created designs for the power and lighting systems as well as special systems required for government and law enforcement offices.

**Orleans Levee District Police Station** – Orleans Parish, LA – Provided electrical engineering services. Created designs for the power and lighting systems, special systems required for government and law enforcement offices as well as the electrical engineer overseeing the installation of the emergency generator.

**Orleans Levee District – 6920 Franklin Ave.** – Orleans Parish, LA - Electrical engineer for power and lighting systems as well as special systems required for government offices. Also oversaw the replacement of the existing 1750 kW generator with (2) 800 kW generators in parallel.

**Recreation District 1** - Kentwood, LA – Electrical engineer for the design of electrical service as well as the ball field and parking lot lighting.

**Hurricane Katrina Damage Repairs, McDermott Hanger** - New Orleans, LA - Provided damage assessment services, cost estimates for the scope of work on the electrical and specialty systems to identify damages as well as assess the necessary repairs, and coordinated completion of the FEMA Project Worksheet for damage verification. CEG also provided the construction documents and construction administration services for the repair work.

**Repairs to C.F. Rowley School** - St. Bernard Parish, LA - Following Hurricane Katrina, provided damage assessment services, cost estimates for the scope of work on the electrical and specialty systems to identify damages as well as assess the necessary repairs, and coordinated completion of the FEMA Project Worksheet for damage verification. CEG also provided the construction documents and construction administration services for the repair work.

**Nunez Community College Buildings A & B** - St. Bernard Parish, LA - Completed research and additional evaluation of the water damaged electrical equipment. Presented the NEMA documentation demonstrating the need for the additional repair items on the Project Worksheet and was successful in getting the items covered for repair. Reviewed scope and costs to ensure they were aligned with FEMA. CEG then completed the additional construction documents and provided construction administration services.

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.**

<b>PROJECT NO. 1</b>			
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>		
<p><b>Hurricane Katrina Damage Repairs - McDermott Hanger</b> <i>New Orleans, LA</i></p> <p>RCL Architecture 900 W. Causeway Approach Mandeville, LA 70471, (985) 727-4440</p>	<p>Creative Engineering Group, LLC performed electrical and special systems damage assessment of site following Hurricane Katrina. Coordinated with FEMA Project Worksheet to verify all damages were included for repairs. CEG provided cost estimates to the Architect for repair scope of work.</p> <p>Once scope and costs were aligned with FEMA, CEG completed electrical construction documents for the repair work. Construction Administration included regular site visits to monitor the electrical installation.</p>		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>		
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	
	03/2009 (Est.)	<table border="1"> <tr> <td align="center">\$2,500,000 (Est.)</td> <td align="center">\$200,000 (Est.)</td> </tr> </table>	\$2,500,000 (Est.)
\$2,500,000 (Est.)	\$200,000 (Est.)		
<b>PROJECT NO. 2</b>			
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>		
<p><b>Repairs to C.F. Rowley School St. Bernard Parish School Board</b> <i>Chalmette, LA</i></p> <p>Lachin Architects 900 Causeway Approach Mandeville, LA 7 70471 (985) 727-4440</p>	<p>Creative Engineering Group, LLC performed electrical and special systems damage assessment of site following Hurricane Katrina. Coordinated with FEMA Project Worksheet to verify all damages were included for repairs. CEG provided cost estimates to the Architect for repair scope of work. Due to the flood waters all electrical below the ceiling on the first floor was replaced with new. Light fixtures on the first floor were also replaced. First floor circuitry at the ceiling and second floor electrical remained for re-use. FEMA allowed second floor light fixtures to be re-lamped. Life safety systems (ie fire alarm) were replaced and re-located to the second floor. Construction Administration included regular site visits to monitor the electrical installation.</p>		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>		
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	
	10/2007 (Est.)	<table border="1"> <tr> <td align="center">\$6,500,000 (Est.)</td> <td align="center">\$1,300,000 (Est.)</td> </tr> </table>	\$6,500,000 (Est.)
\$6,500,000 (Est.)	\$1,300,000 (Est.)		

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>	
<b>Nunez Community College Building B Hurricane Katrina Repairs</b> <i>Chalmette, LA</i>  Lachin Architects 900 Causeway Approach Mandeville, LA 7 70471 (985) 727-4440	Creative Engineering Group, LLC performed electrical and special systems damage assessment of site following Hurricane Katrina. Coordinated with FEMA Project Worksheet to verify all damages were included for repairs. Initially, FEMA had allowed a complete replacement of the electrical and special systems due to the heavy damage. At the Design Development stage of the project a new FEMA team came in and provided a revised Project Worksheet which only allowed for repairs to flood damaged items. This did not include all electrical equipment and feeders which had exposure to flood waters. CEG researched and presented NEMA documentation for evaluating water damaged electrical equipment, and was successful in getting additional items covered.  Once scope and costs were aligned with FEMA, CEG completed electrical construction documents for the repair work. Construction Administration included regular site visits to monitor the electrical installation.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	09/2008	\$8,900,000                      \$323,000
<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

**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. N/A		
3. N/A		
4. N/A		

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



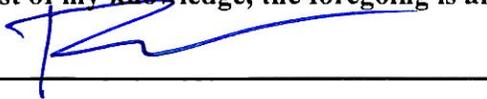
Creative Engineering Group, LLC is a professional engineering firm based in St. Tammany Parish. Our firm is licensed in the State of Louisiana and Mississippi, and offers a full range of electrical engineering services, including conceptual planning, preparation of construction documents and construction administration, with a highly skilled professional team. Our staff currently consist of five people dedicated to electrical engineering, including a licensed electrical engineer with over 26 years of experience, an electrical designer with over 15 years of experience, two draftsmen and administration. We have extensive experience serving architects, contractors on design build projects, and building owners. Our purpose is to provide the highest quality service and design solutions for our clients.

Creative Engineering Group has experience in evaluating older electrical systems and has performed electrical evaluation assessment reports for clients who are seeking to upgrade electrical systems due to age or code changes. In addition, Creative Engineering Group has performed many damage assessments over the years to help clients evaluate damages to electrical systems due to hurricanes, fire, and flooding.

Our experience give us the ability to trouble shoot electrical issues and spot potential problems early in the design process. We utilize the latest computer aided drafting software, Autocad and Revit. We are dedicated to providing cost effective solutions with an emphasis on energy efficiency and creativity. Our dedication, from the early stages of the project until completion, has resulted in many satisfied clients who have become repeat customers.

**(See Additional Pages)**

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

Signature:  Print Name: Ray Nolan

Title: Owner Date: 6/30/2022



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Raymond Henry Nolar  
201 Highland Park Plaza  
Covington, LA 70433

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Mr. Raymond Henry Nolan II</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0027697</b>	<b>09/30/2022</b>	
<b>Status: Active</b>		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

Fold Here

Cut Here

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

### Disclaimer

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