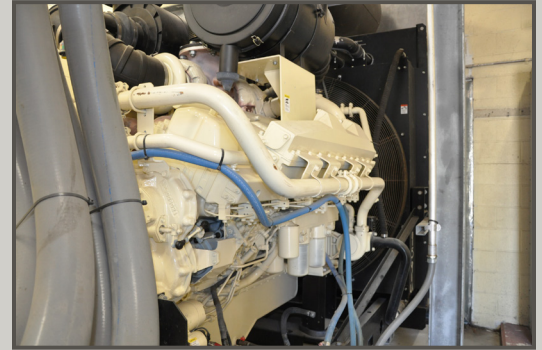
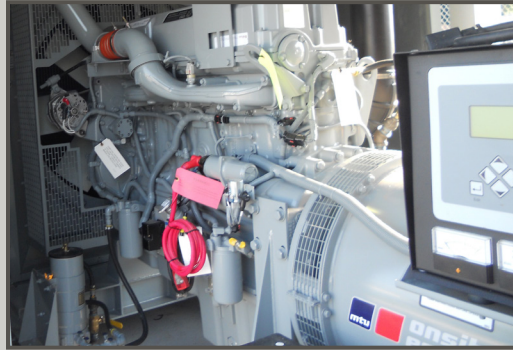




JEFFERSON PARISH

Professional Mechanical and Electrical Engineering Services on an As-Needed Resolution 137284



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

April 27
2021

In Association With:
BFM Corporation, LLC
Gulf South Engineering and Testing, Inc.
Creative Engineering Group

LETTER OF TRANSMITTAL

BURK-KLEINPETER, INC.

CHAIRMAN OF THE BOARD
WM. R. "BIFF" BURK, III, PE

ENGINEERING · PLANNING · ENVIRONMENTAL

OFFICE MANAGER
RANDY SCHULER

3240 SOUTH I-10 SERVICE ROAD WEST, ROOM 300

METAIRIE, LA 70001

TELEPHONE (504) 483-6266

WWW.BKIUSA.COM

WILLIAM R. BURK, JR. 1912-1986
GEORGE C. KLEINPETER, JR. 1937-2018



OVER 100 YEARS OF SERVICE

CHIEF EXECUTIVE OFFICER
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CORPORATE SECRETARY
BRUCE L. BADON, AICP

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

April 27, 2021

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

RE: PROFESSIONAL MECHANICAL AND ELECTRICAL ENGINEERING SERVICES ON AN AS-NEEDED BASIS, RESOLUTION 137248

Mr. Simno:

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, is pleased to submit one electronic copy of our proposal for the above referenced project.

BKI is a full-service consulting firm providing professional planning and engineering services to public and private clients for nearly 110 years, with offices in Louisiana, Mississippi, and Alabama. We are fully capable of providing all Professional Mechanical and Electrical Engineering Services on an As-Needed Basis for Jefferson Parish. Our Metairie office will serve as the main project office for this assignment with Robert P. Furlow, PE, Mechanical Engineering and Ray Nolan, PE, Electrical Engineering, designated as the Professionals in Charge of Project. We are committed to client satisfaction, and 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.

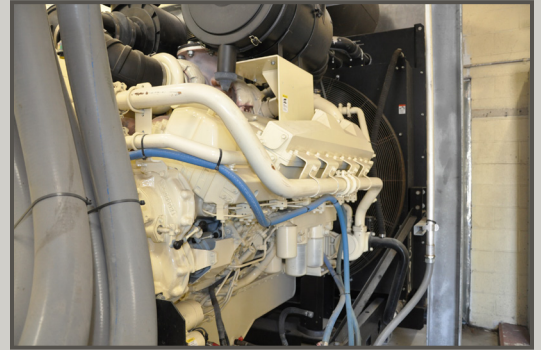
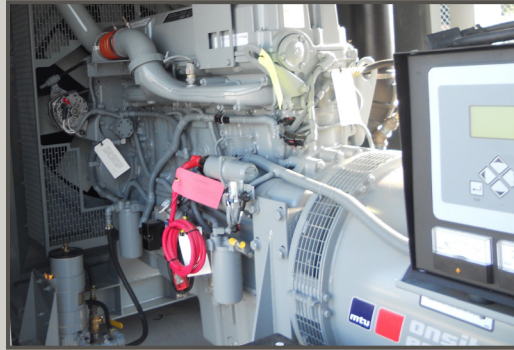
Sincerely,

A handwritten signature in blue ink, appearing to read "H. M. Picard, III", is written over a horizontal line.

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:

Professional Mechanical and Electrical Engineering Services on an As-Needed Basis, Resolution 137248

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



Burk-Kleinpeter, Inc.

3240 South I-10 Service Road, West, Room 300

Metairie, LA 70001

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) 486-5901, 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.

Robert P. Furlow, PE, Mechanical Engineering, (504) 486-5901, rfurlow@bkiusa.com

Ray Nolan, PE, Electrical Engineering, (985) 249-5706, rnolan@ceg-itl.com (sub-consultant)

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

<u>17</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>14</u> Civil Engineers	<u>0</u> Interior Designers	<u>0</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>1</u> Electrical Engineers	<u>1</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>6</u> Engineer Intern	<u>0</u> Environmental Engineers	<u>3</u> Planners
<u>0</u> Professional Land Surveyors	<u>5</u> CADD	<u>64</u> TOTAL
<u>1</u> Project Manager	<u>4</u> Designer GIS	

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 this JOINT-VENTURE previously worked together? Please check:
 YES ☐ NO ☐ N/A

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. BFM Corporation, LLC 15 Veterans Memorial Blvd. Kenner, LA 70062	Survey	Yes
2. Gulf South Engineering and Testing, Inc. 15 Veterans Memorial Blvd. Kenner, LA 70062	Geotechnical / Testing	Yes
3. Creative Engineering Group 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:

9

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

Project Assignment:

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

Name of Firm with which associated:



Years' experience with this Firm:

30

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1991 / Civil Engineering

Active registration: Year first registered/discipline:

1996 / Professional Engineer State of LA No. 26797

Other experience and qualifications relevant to the proposed Project:

Mr. Chopin is Principal/President at BKL in charge of personnel, including schedules, staff, budgets, technical review, and account management. He has over 30 years of professional engineering experience providing professional consulting focused on a wide range of public works projects as Principal, Project Manager, or Project Engineer projects and have included mechanical and electrical components. Projects have included design, construction administration and related supplemental services. As a principal and project manager, Mr. Chopin has a keen awareness of typical funding constraints and has proven successful in producing deliverables which comprehensively benefit both the community and environment. Mr. Chopin 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 Additional Page

Mr. Chopin has worked on the following applicable projects:

Nicolle Boulevard Street Lighting (Lapalco Boulevard to NOLA Motorsports Park Entrance) - Avondale, LA - Principal provided QA/QC for a project to provide additional roadway lighting to Nicolle Blvd. from Lapalco Blvd. to the main canal. Decorative single-arm, 30-foot-high roadway luminaires were added behind the shoulder of the westbound traveling lane.

New Addition to Gretna Police Headquarters - Gretna, LA - Provided QA/QC for a project that removed part of the existing Gretna Police Department building and installed a new three-story, 13,200-square-foot office structure to be used by the department for their daily activities. Both FEMA and CDBG provided grant funding for the project, which included a 400kW generator.

Bayou Segnette Sports Complex Improvements - Generator Installations - Westwego, LA - Principal provided QA/QC for the design of the installation of two emergency standby generators and automatic transfer switches for the John A. Alario, Sr. Event Center (Bayou Segnette Sports Complex) in Westwego.

Parish Road 929 at Braud Road Roundabout - Ascension Parish, LA - Providing QA/QC for the design of a single lane roundabout at Parish Road 929 and Braud Road. The project is part of the MOVE ASCENSION program to improve traffic conditions across the parish. Although this was an Ascension Parish program, for consistency and convenience, LADOTD standards, references, manuals, and format requirements were used.

Ponchatoula Sewer Lift Station Generators - Ponchatoula, LA - Principal provided QA/QC for a project involving the installation of 10 emergency generators at sewerage lift stations. The project used Gustav/Ike Disaster Recovery CDBG funds.

Paul Maillard Road Revitalization Plan - St. Charles Parish, LA - Provided QA/QC for the comprehensive planning effort utilizing a HUD sustainability grant to re-vision the corridor in terms of land use, transportation, economic development, and housing. The two-lane corridor has been converted into a pedestrian-oriented roadway complete with landscape, lighting and sidewalks.

Ellington Drainage Pump Station - St. Charles Parish, LA - Provided project oversight for design and construction administration services for the construction of a 500 CFS drainage pump station. The station was equipped with four 125 CFS vertical pumps driven by high efficiency electric motors and a 1250kW generator.

Taft Park Drainage Pumping Station - Metairie, LA - Principal provided QA/QC for the design of the new Taft Park Drainage Pumping Station at Taft Park and 35th Street. This HMGP project was designed to drain the low-lying neighborhood. BKI's design included a new 63 CFS pumping station; new gravity collection drains on Taft Park, Belmont Place, and North Turnbull Drive between West Napoleon and the I-10 South Service Road; and a new effluent force main from the new pump station routed to the West Napoleon Canal south of the station. Provisions were installed for connections to a portable generator.

Willowridge Drainage Pumping Station - Luling, LA - Provided design oversight for a new 300 CFS drainage pump station that included 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. The electrical design consisted of a 1600 amp, 3 phase, 480V normal utility power service in combination with an 800 kW standby generator to serve the (3) 250 hp electric pump motors.

Jefferson Parish Comprehensive Plan Transportation Element - Jefferson Parish, LA - Provided QA/QC for the development of a transportation plan for Jefferson Parish, using land use information developed by the Parish. Using the information collected from various sources, BKI developed a plan of improvements for roads, mass transit, bicycles and pedestrians.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Henry M. Picard, III, PE, PLS <i>Senior Vice President</i></p>
Project Assignment:
<p>Principal / QA/QC - LA Registered Professional Engineer (Minimum Requirement No. 1)</p>
Name of Firm with which associated:
 <p>BKI BURK-KLEINPETER, INC <small>ENGINEERING PLANNING ENVIRONMENTAL</small></p>
Years' experience with this Firm:
<p>31</p>
Education: Degree(s)/Year/Specialization:
<p>Bachelor of Science / 1981 / Civil Engineering</p>
Active registration: Year first registered/discipline:
<p>1986 / Professional Engineer, State of LA No. 22289 1994 / Professional Land Surveyor, State of LA No. 4736 1996 / Professional Engineer, State of AL No. 20937 2000 / Professional Engineer, State of FL No. 56552</p>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Picard is a Senior Vice President at BKI in charge of project management, hydraulics, and traffic engineering. Additionally he manages schedules, staff, budgets, technical review, and account management. He has provided professional oversight services for numerous mechanical and electrical engineering type projects that have included design, construction administration, and other related supplemental services including surveying and geotechnical. 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.</p> <p><i>Mr. Picard's applicable projects are listed on the following page.</i></p>

TEC Professional Services Questionnaire Additional Page

Mr. Picard has worked on the following applicable projects:

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 including rehabilitation of the existing sewer lift station, a new effluent pump station, and a 250kW generator.

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.

Cheniere Water Storage Tank - Grand Isle, LA - As Principal, provided design oversight and project management for a new 750,000 gallon potable water storage tank and variable frequency drive pumps. Project included phased construction and demolition of existing tanks on a very tight footprint at the site.

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.

New Addition to Gretna Police Headquarters - Gretna, LA - Principal provided QA/QC for a project that removed part of the existing Gretna Police Department building and installed a new three-story, 13,200-square-foot office structure to be used by the department for their daily activities. Both FEMA and CDBG provided grant funding for the project, which included a 400kW generator.

Barataria Boulevard Lighting Improvements (Westbank Expressway to Alice Street) - Marrero, LA - Principal provided QA/QC for the addition of lighting to approximately 1,850 feet of roadway length. This required the design of approximately 16 poles and luminaires on 120-foot spacing.

Veterans Boulevard Lighting (Airport Road to Loyola Drive) - Kenner, LA - Principal provided project oversight to replace lighting along 7,300 feet of roadway. The new lighting design consists of 30-foot-high poles rated to withstand a 140 mph, three-second gust wind rating. The poles are specified with dual arms to providing illumination of both the northbound and southbound travel lanes. The design includes approximately 50 dual arm lighting standards.

I-10 / Williams Boulevard Interchange Pedestrian and Lighting Improvements - Kenner, LA - Project Manager and lead engineer prepared construction documents conforming to LADOTD standards for new paved and lighted walkway through the Interstate 10-Williams Boulevard interchange as a safety enhancement project.

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.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Robert P. Furlow, PE <i>Mechanical Engineer</i>
Project Assignment:
Project Manager (Minimum Requirements No. 2, 3)
Name of Firm with which associated:
 <small>ENGINEERING PLANNING ENVIRONMENTAL</small>
Years' experience with this Firm:
>1
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2003 / Mechanical Engineering
Active registration: Year first registered/discipline:
2011 / Professional Engineer, 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 & construction specifications; P&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 & B31.8.</p> <p><i>Mr. Furlow's applicable projects are listed on the following page.</i></p>

TEC Professional Services Questionnaire Additional Page

Mr. Furlow has worked on the following applicable projects:

Cheniere Water Storage Tank - Grand Isle, LA – Mechanical engineer for a 750,000 gallon ground storage tank and duplex pump station at the water department's Cheniere facility in Grand Isle.

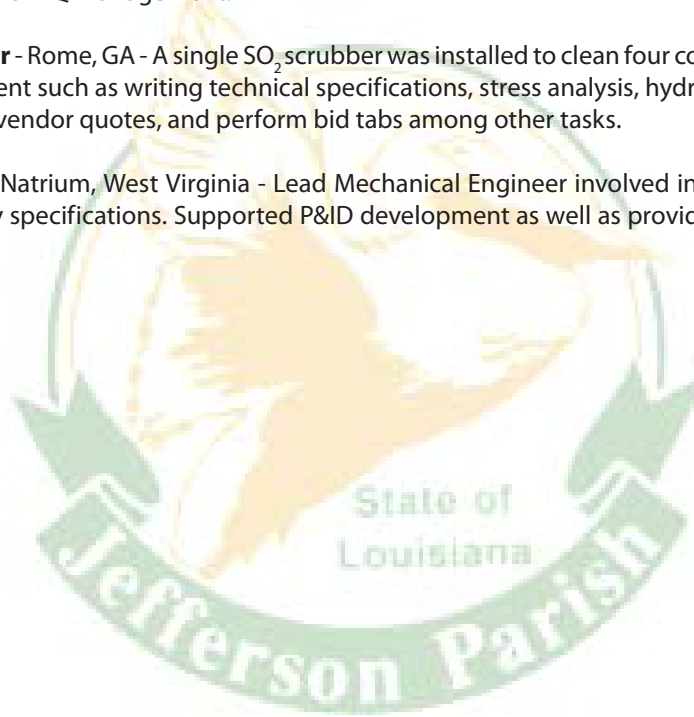
25th Street Canal Drainage Improvements Project (Resiliency District) - Ascension Parish, LA -Mechanical engineering and design for new pump station with capacity of 350 CFS to provide drainage of residential area in Jefferson Parish.

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 - SO₂ Scrubber - Rome, GA - A single SO₂ 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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
René A. Chopin, III, PE <i>Senior Vice President, Chief Engineer</i>
Project Assignment:
Structural Engineer
Name of Firm with which associated:
 <small>ENGINEERING PLANNING ENVIRONMENTAL</small>
Years' experience with this Firm:
33
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1988 / Civil Engineering
Active registration: Year first registered/discipline:
1993 / Professional Engineer, State of LA No. 25174
Other experience and qualifications relevant to the proposed Project:
<p>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.</p> <p><i>Mr. Chopin's applicable projects are listed on the following page.</i></p>

TEC Professional Services Questionnaire Additional Page

Mr. Chopin has worked on the following applicable projects:

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 750,000 gallon water storage tank as well as provided the structural design for an elevated pump house building and controls room.

Williams Boulevard Pedestrian Improvements (West Napoleon Avenue to Veterans Boulevard) - Kenner, LA - Project Manager for the design of an outdoor pedestrian walkway lighting design for a paved and lighted walkway through the Interstate 10-Williams Blvd. Interchange as a safety enhancement project.

Lafitte-Larose High Rise Bridge Over Bayou Barataria Lighting Improvements - Marrero, LA - Responsible for structural project design coordination and final design review.

Causeway-Earhart Expressway Interchange SPN H.002861 - Jefferson Parish, LA - 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.

Intersection Improvements at Williams Boulevard & Airline Highway. - Kenner, LA - Provided QA/QC for the project, which aimed to improve pedestrian access to an intersection. The project followed LADOTD'S standard plan format and met all LADOTD requirements.

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.

Westshore Enhancement 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.

Cousins Pump Station Complex Floodwalls and P.S. Expansion - Jefferson Parish, LA - Structural Engineer: Provided structural design for the development of a design documentation report, plans and specifications, right-of-way drawings, and cost estimates for improvements to floodwalls at the complex.

Belle Chasse Tunnel & Bridge (HBI) Environmental Assessment (EA) and Traffic Study - Belle Chasse, LA - Engineering project manager responsible for the line & grade study, cost estimates, and constructability review for a traffic study of the LA 23 corridor. Mentored younger engineers in developing type, size, and location of the fixed bridge alternatives.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
J. Bart Mullis, III, PE, LEED AP <i>Associate - Electrical Engineer</i>
Project Assignment:
Electrical Engineer
Name of Firm with which associated:
 <small>ENGINEERING PLANNING ENVIRONMENTAL</small>
Years' experience with this Firm:
12
Education: Degree(s)/Year/Specialization:
Associate Degree / 1974 / Electrical Engineering
Active registration: Year first registered/discipline:
1990 / Professional Engineer, State of MS No. 10933
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Mullis joined BKI in 2008 and has over 40 years of experience in engineering management, project management, engineering, design, servicing, and construction projects including commercial, institutional, industrial, and power generation with six years in nuclear power generation. Positions have ranged from technician to field engineering and design engineering, preparation of specifications and procedures, with additional experience in construction supervision. Mr. Mullis experience includes computer-aided design and engineering tasks such as load calculation, systems analysis, spreadsheets, word processors, and CAD systems. He has worked on projects including primary distribution, secondary distribution, medium voltage systems, communications, security systems, data, and fire detection, and alarm systems. Mr. Mullis coordinates and supervises electrical, mechanical, plumbing, civil, fire protection design, and contractors.</p> <p><i>Mr. Mullis' applicable projects are listed on the following page.</i></p>

TEC Professional Services Questionnaire Additional Page

Mr. Mullis has worked on the following applicable projects:

Rosethorne Sewage Treatment Plant - Jefferson Parish, LA - Lead electrical engineer provided design of the power plan, site lighting, and controls 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.

Marrero WWTP Headworks Modifications - Marrero, LA - Prepared contract documents for modifications to the existing headworks at the Marrero WWTP. 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 first-floor room housing electrical power and control equipment for the headworks was relocated to a new stand-alone building.

Cheniere Water Storage Tank - 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.

Sewer Lift Station Improvements at Ole Miss Drive/35th Street - Kenner, LA - Provided electrical design 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.

New Anna Street Sewer Lift Station - Slidell, LA - Lead electrical engineer provided design of the power plan, site lighting, and controls for the replacement of an aging, inaccessible pump station. The controls and power wiring will be routed to a main control panel located on a steel platform above the base flood elevation.

Bayou Segnette Sports Complex Improvements - Generator Installations - Westwego, LA - Project Engineer responsible for the project site assessment, electrical design drawings and specifications, and drafting supervision for the installation of two emergency standby generators, a 1000kW generator installed at the complex, and a 500kW generator installed at the Hall B expansion building as well as the automatic transfer switches (NEMA 3R service entrance rated equipment) for the John A. Alario, Sr. Event Center (Bayou Segnette Sports Complex).

Veterans Boulevard Lighting (Airport Access Road-Loyola Drive) - Kenner, LA - Lead Electrical Engineer for a project to replace lighting along 7,300 feet of roadway. The new lighting design consists of 30-foot-high poles rated to withstand a 140 mph, 3 second gust wind rating. The poles are specified with dual arms to providing illumination of both the northbound and southbound travel lanes. The design includes approximately 50 dual arm lighting standards.

Lafitte-Larose High Rise Bridge Over Bayou Barataria Lighting Improvements - Jefferson Parish, LA - Lead Electrical Engineer for lighting improvements on the Lafitte Larose High Rise Bridge over Bayou Barataria. BKI analyzed the existing lighting system, consisting of light tubes mounted atop the barrier wall, and recommended a replacement lighting system. The new lighting system consisted of luminaires, luminaire support structures, and lighting circuitry to the luminaires. New distribution conduit, conductors, and boxes were installed on the east side of the bridge. The replacement lighting system provided the desired light levels, while withstanding vibration from traffic and wind and minimizing maintenance costs.

Ponchatoula Sewer Lift Station Generators - Ponchatoula, LA - Project electrical engineer responsible for project coordination, field site visits, and detailed electrical design to support the installation of 10 emergency generators for the CDBG funded project.

West Shore Enhancements Project - St. James Parish, LA - Provided electrical, lighting, and controls design for a new drainage pump station. Pump station design included powering vertical pumps, powering mechanical bar screen cleaners, sizing 1250 Kw backup generator, and P&ID drawings.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Rebecca J. Chopin, PE <i>Associate - Civil Engineer</i>
Project Assignment:
Structural Engineer
Name of Firm with which associated:
 <small>ENGINEERING PLANNING ENVIRONMENTAL</small>
Years' experience with this Firm:
7
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2013 / Civil Engineering
Active registration: Year first registered/discipline:
2017 / Professional Engineer, State of LA No. 41841 2017 / Professional Engineer, State of MS No. 28568 2017 / Professional Engineer, State of AL No. 36923
Other experience and qualifications relevant to the proposed Project:
<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 serves ACI Louisiana as past president (2019).</p> <p><i>Ms. Chopin's applicable projects are listed on the following page.</i></p>

TEC Professional Services Questionnaire Additional Page

Ms. Chopin has worked on the following applicable projects:

Plaquemines Parish Sheriff's Shooting Range Electrical Platform - Plaquemines Parish, LA - Responsible for leading the structural design for a pile supported electrical platform. The 16'-0" tall, 355 SF platform included the design of a pile foundation, concrete grade beams, structural steel, and metal stairs. Plan/profile, sections, details, and specifications were also included in this design.

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.

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.

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.

Earhart Expressway - Causeway Boulevard Interchange - 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.

Williams Boulevard Pedestrian and Lighting Improvements (West Napoleon Avenue to Veterans Boulevard) - Kenner, LA - Designed a new sidewalk to improve pedestrian movements and safety throughout the corridor. Responsible for creating the plan set, computing quantities, completing cost estimates, writing technical specifications, applying for LADOTD permits, and corresponding with the City of Kenner, Contractor, and others. Saw project through construction administration to its completion.

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.

LA 466 / 5th Street Improvements - Gretna, LA - Assisting the lead designer in the preparation of roadway plans and roadway drainage design for streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue. The focus of the project is to provide maximum safety and accessibility for bicyclists and pedestrians within the existing right of way through a busy section of 5th Street in Gretna.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Daniel D. Marsalone, PE <i>Senior Structural Engineer</i>
Project Assignment:
Structural Engineer
Name of Firm with which associated:
 <small>ENGINEERING PLANNING ENVIRONMENTAL</small>
Years' experience with this Firm:
>1
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1994 / Civil Engineering
Active registration: Year first registered/discipline:
1999 / Professional Engineer, State of LA No. 28554
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Marsalone is a Senior Structural Engineer with Burk-Kleinpeter, Inc. He received his Bachelor of Science in Civil Engineering and is a Registered Professional Engineer in Louisiana, Mississippi, Texas, Arizona, and New Mexico. He has 26 years of experience in project management of structural concrete design projects, with project types including bridges (design and rating), water and wastewater, flood protection, street and highway, site drainage design, and traffic engineering. His software capabilities include AASHTOWare Bridge Rating (Virtis), ConSpan, ConBox, RC-Pier, L-Pile, STAAD.Pro, PCA Column, MicroStation/InRoads, AutoCad, Merlin-Dash, HEC-RAS, WSPRO, and EPANET.</p> <p><i>Mr. Marsalone's applicable projects are listed on the following page.</i></p>

TEC Professional Services Questionnaire Additional Page

Mr. Marsalone has worked on the following applicable projects:

Rosethorne Sewage Treatment Plant - Jefferson Parish, LA - Responsible for construction engineering services and modifications of structural items of the project including the wastewater clarifier catwalk support structure, and review of modifications required to the scrapper arm assembly due to wastewater clarifier geometry.

Veterans Boulevard Lighting (Airport Road to Loyola Drive) - Kenner, LA - Mr. Marsalone provided construction support services for lighting foundations. The new lighting design consists of 30-foot-high poles rated to withstand a 140 mph, 3 second gust wind rating. The poles are specified with dual arms to providing illumination of both the northbound and southbound travel lanes.

St. Charles Westbank Levee - St. Charles Parish, LA - Responsible for the design of floodwalls and flood gates as well as the preparation of plans and specifications and construction administration.

Causeway Boulevard (LA3046) / Earhart Boulevard (LA3139) Interchange (H.002861) - Jefferson Parish, LA - Responsible for the design of two elevated ramp superstructures in the interchange and responsible for supervision of substructure and foundation design. Superstructure types included AASHTO prestressed concrete girder spans and curved steel girder spans. Also responsible for LRFR bridge rating calculations.

West Shore Levee Improvements - St. Charles, St. John the Baptist, and St. James Parishes - Responsible for the review of design reports, structural plans, specifications and design calculations for the hurricane and storm damage risk reduction project. The project included drainage pump stations, drainage structures and floodwalls.

Plaquemines Parish Sheriff's Shooting Range Electrical Platform - Plaquemines Parish, LA - Responsible for QA/QC of the structural plans and construction engineering services, material submittal reviews and response to RFI's.

Jack Warner Parkway Extension to Martin Luther King, Jr. Boulevard - Tuscaloosa, AL: Responsible for the substructure design of two railroad bridges, KCS's Warrior Mainline and Goodrich Spur in Tuscaloosa, AL. The substructure consisted of reinforced concrete piers and abutments founded on drilled shaft foundations. Unique to the project was the requirement that the design allow for both lines to remain in service during the project with only miniscule windows where the rail could be out of service.

Sauve Road Bridge over Soniat Canal (SP No. H.010626.5) - Jefferson Parish, LA - Responsible for final plans of the Off-System bridge replacement. Designed bridge superstructure, substructure, and roadway for a 60' single-span, Type II AASHTO Girder bridge. Also designed sheetpile retaining walls at the bridge abutments

West Loyola Drive Bridge over Canal No. 7 and Metairie Heights Avenue over Canal No. 4 (SP No. H.011534.5) - Jefferson Parish, LA - Responsible for preliminary and final plans, hydraulic reports, scour supplements and design of superstructure and substructure and reinforced concrete box culverts as well as solicitation of views for the two Off-System bridge replacement sites in this project. West Loyola Dr. bridge featured a 60 foot slab span superstructure. The Metairie Heights Avenue bridge was replaced with a 50 foot long, 14 foot x 8 foot reinforced concrete box culvert.

Oakland Estates Drainage Pumping Station - St. Rose, LA - Responsible for design of pump station layout and structural design of pile supported, reinforced concrete intake basin, pumping station structure and foundation and supports for elevated portion of discharge piping as well as cased crossing for discharge piping below adjacent railroad. This was a project for the St. Charles Parish DPW.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Carlos O. Vega, EI <i>Electrical Engineer Intern</i>
Project Assignment:
Electrical Designer
Name of Firm with which associated:
 ENGINEERING · PLANNING · ENVIRONMENTAL
Years' experience with this Firm:
16
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2004 / Electrical Engineering
Active registration: Year first registered/discipline:
2010 / Engineering Intern, State of LA No. 29779
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Vega is an electrical designer with BKI. Since 2005, he has provided electrical design and consulting on commercial, institutional, industrial, and power generation facilities. He also has experience with computer-aided design and engineering tasks such as load and photometric calculations, systems analysis, spreadsheets, word processors, and CAD systems. He has worked on a broad range of projects including primary distribution, secondary distribution, medium voltage systems, lighting systems, data, and fire detection and alarm systems. Mr. Vega holds a Bachelor of Science in Electrical Engineering from the University of New Orleans, and is a Registered Engineering Intern in Louisiana.</p> <p><i>Mr. Vega's applicable projects are listed on the following page.</i></p>

TEC Professional Services Questionnaire Additional Page

Mr. Vega has worked on the following applicable projects:

Rosethorne Sewage Treatment Plant - Jefferson Parish, LA - Provided engineering design for all electrical systems necessary to provide power and control to the plant process equipment and site lighting for a new 0.25 MGD average daily flow treatment facility to take the place of an existing Rosethorne WWTP located in Lafitte, LA. The new WWTP will utilize Sequencing Batch Reactor (SBR) technology for the biological process.

Marrero WWTP Headworks Modifications - Marrero, LA - Provided detailed power design layout, calculations, and drafting support for a 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 pumping and processing equipment, and equipment repairs.

Veterans Boulevard Lighting (Airport Access Road-Loyola Drive) - Kenner, LA - Provided detailed lighting design layout, calculations, and drafting support for a project to replace lighting along 7,300 feet of roadway. The new lighting design consists of 30-foot-high poles rated to withstand a 140 mph, three-second gust wind rating. The poles are specified with dual arms to providing illumination of both the northbound and southbound travel lanes. The design includes approximately 50 dual arm lighting standards.

Sewer Lift Station Improvements at Ole Miss Drive/35th Street - Kenner, LA - Provided detailed power design layout, calculations, and drafting support 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. BKL'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.


LA-23 Lighting Improvements (Lapalco Boulevard to Whitney Avenue) - Jefferson Parish, LA - Provided detailed lighting design layout, calculations, and drafting support for the new roadway lighting that consisted of 30 foot high poles rated to withstand the 140 mph 3 second gust wind rating and poles specified with dual arms to provide illumination of both the northbound and southbound travel lanes. The project limits include approximately 9,000 feet of roadway length which requires the design of approximately 62 dual arm and two single arm lighting standards spaced approximately 150 feet apart. The lighting photometric calculations were performed based on IES RP8-2000 roadway lighting standards.

New Addition to Gretna Police Headquarters - Gretna, LA - Provided electrical design for the existing electrical equipment, flood mitigation, electrical service demolition, new power distribution system, backup generator distribution system, indoor/outdoor lighting, lighting protection and grounding. The backup generator is a 400kW diesel-powered generator. Also responsible for drafting of the electrical plans. Both FEMA and CDBG provided grant funding for the project.

Bayou Segnette Sports Complex Improvements - Generator Installations - Westwego, LA - Electrical designer responsible for equipment selection and layout, design drawings, and drafting support for the installation of two emergency standby generators a 1000kW generator installed at the complex, and a 500kW generator installed at the Hall B expansion building as well as the automatic transfer switches (NEMA 3R service entrance rated equipment) for the John A. Alario, Sr. Event Center (Bayou Segnette Sports Complex).

Lake Borgne Basin Levee District Drainage Pump Station No. 4 Engine Replacement - Violet, LA - Provided electrical design for the replacement of a drainage pump diesel engine drive with a new 1400 horsepower unit. Engine related systems and auxiliaries that required in-depth engineering and investigation included the selection of a speed reducing gearbox, coupling, exhaust silencer, ventilated enclosure, fuel tanks and a 40kW generator.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Daniel S. Caluda, Jr. <i>Associate, Mechanical Designer</i>
Project Assignment:
Mechanical Design
Name of Firm with which associated:
 <small>ENGINEERING PLANNING ENVIRONMENTAL</small>
Years' experience with this Firm:
34
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1981 / Petroleum Engineering
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Caluda is an Associate with major technical responsibility in the Mechanical Engineering Division of BKI. He has 39 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 drainage, water and sewer utilities, 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 Additional Page

Mr. Caluda has worked on the following applicable projects:

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

Cheniere Water Storage Tank - Grand Isle, LA - Mechanical Designer for the Cheniere project which included replacement of the existing booster pump system and the elevated storage tank with a new 500 gallon per minute, variable speed, vertical turbine pump system to provide fire protection water flow for the Town of Grand Isle. The booster system utilized stored water from both an existing 500,000 gallon ground water storage reservoir and the project added additional water storage with another 1,000,000 gallon capacity, which replaced the demolished elevated storage tank. The project also included re-piping the new pumping and storage system into the existing water piping while adding motor actuated valves for remote control of the entire system. Additional aspects of the project included extension of the chemical addition system to the new storage tank and installation of an emergency generator to backup electrical power for the entire site.

West Shore Levees and Floodwalls - St. Charles, St. John the Baptist, and St. James Parishes, LA - Mechanical Designer: Assisted in preliminary plans for a new 1,800 CFS drainage pump station located in the Reach I levee limits of the West Shore Levee Project adjacent to the I-10/I-55 interchange in St. John the Baptist Parish, Louisiana.

Willowridge, Ellington, and Magnolia Ridge Drainage Pumping Stations - St. Charles Parish, LA - Mechanical design for the Willowridge DPS, a new 300 CFS station including a pump station structure, three 100 CFS vertical pumps with electric motors, backup generator and mechanical bar screen cleaners. For Ellington and Magnolia Ridge DPS, Mr. Caluda provided technical guidance and review for the development of the drainage pumping station pump suction and discharge models and pump model.

Taft Park Drainage Pumping Station - Metairie, LA - Provided mechanical design for the drainage pump station, including distribution, controls, and a standby generator. This was a Hazard Mitigation Grant Program funded project.

Marvin Braud Drainage Pump Station - Ascension Parish, LA - Mechanical Designer for pump station improvements and additions included a new station with 2,000 CFS of pumping capacity. The new pumping station had a pile-supported intake basin and concrete discharge tubes, a steel-framed superstructure, and two 1,000 CFS pumps with diesel drives and gear reducers.

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.

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.

Hazard Mitigation Plan at Scarsdale Drainage Pumping Station - Plaquemines Parish, LA - Mechanical Designer performed initial damage assessment required for hazard mitigation grant, and assisted in the mechanical design and construction administration required for equipment repairs and modifications to existing equipment so they could operate at a new elevation.

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:	
Jefferson Parish Rosethorne Sewage Treatment Plant <i>Lafitte, LA</i> Michael Lockwood Jefferson Parish 1221 Elmwood Park Boulevard Harahan, LA 70123 (985) 386-6661	Burk-Kleinpeter, Inc. was selected by Jefferson Parish to design a new 0.25 MGD average daily flow and a 0.5 peak daily flow waste water treatment facility to take the place of the existing Rosethorne WWTP located in Lafitte, LA, which reached the end of its useful life. The new WWTP facility will utilize Sequencing Batch Reactor (SBR) technology for the biological process and include new headworks with screening and grit removal, two (2) SBR units, one (1) sludge processing tank and an effluent structure that will house the UV disinfection equipment and the effluent pump station. The design includes all process equipment and controls, pumps, piping, and all other items necessary to construct a complete and functional WWTP. The new plan will not be manned, so a SCADA system was included in the design so that this plant can be monitored remotely. Operators will visit the plant daily and when necessary as indicated by the SCADA system. The discharge piping for the new WWTP will be connected to the existing plant outfall.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
8/2021 (Est.)	\$7,012,000 (construction)	\$437,939.86 (construction)

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Marrero WWTP Headworks <i>Marrero, LA</i> Michael Lockwood MSPH Jefferson Department of Sewerage 1221 Elmwood Park Boulevard, Harahan, LA 70123 (504) 736-6661	BKI prepared contract documents for modifications to the existing headworks at the Marrero WWTP. The work included replacement of the trash screen, modifications to the grit handling system, and repairs to the sludge handling equipment. In addition, the first-floor room housing electrical power and control equipment for the headworks was relocated to a new stand-alone building. BKI performed an extensive evaluation of fine screen hydraulic capabilities to prevent sewer overflow in front of the screens. In addition to the equipment upgrades, extensive electrical work was included in the project, along with HVAC improvements to reduce the corrosion potential of electrical equipment. BKI's services included civil, mechanical, HVAC, and electrical design.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
1/2022 (Est.)	\$3,363,114 (construction)	\$1,980,000 (construction)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>New Ground Storage Tank and Pump Station for Cheniere Water Facility <i>Grand Isle, LA</i></p> <p>Sidney Bazley, II Jefferson Parish 1221 Elmwood Park Boulevard, Jefferson, LA 70123 (504) 736-6742</p>	<p>Burk-Kleinpeter, Inc. was contracted by Jefferson Parish Government to provide Engineering & Design and Construction Management services for a new ground water storage tank and duplex pump station at the Jefferson Parish Water Department's Cheniere facility in Grand Isle, LA. Design included installation of a new 750,000 gallon ground water tank with two 4", 40 horsepower variable frequency drive (VFD) pumps, as well as associated piping, connections, and electrical components. Design also included precast/prestressed concrete pilings for foundational support, a masonry station building with a cast-in-place roof, and a generator including related components for emergency power.</p> <p>Plans also included demolition and removal of the existing elevated water tank at the project site. In addition, BKL provided construction management services for the project and coordinated topographic surveying and geotechnical investigations, as well as resident inspection services.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023 (Est.)	\$4,049,200 (Est. construction)	\$310,750 (fee)

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Sewer Lift Station Improvements at Ole Miss Dr. /35th St. <i>Kenner, LA</i></p> <p>Tom Schreiner, PE Deputy CAO - Public Works City of Kenner 1610 Rev. Richards Wilson Drive, Kenner, LA 70062 (504) 468-7515</p>	<p>Burk-Kleinpeter, Inc., (BKI), provided engineering design services to prepare preliminary and final plans, specifications, and construction cost estimates for a new sewer lift station quadplex control panel with controls and power feed for a system to operate one existing 30 HP and three 125 HP pump motors. The existing control panel was damaged due to hydrogen sulfide gas exposure.</p> <p>BKI's scope included: the design of new power and controls circuits from the new quadplex control panel to the sewer lift station wet well; replacing the existing, damaged automatic transfer switch (ATS) with new 600 amp service entrance rated ATS; new electric utility service routed to the new ATS; new emergency power service from existing generator to new ATS; and the design of new service to the lift station control panel, new electrical distribution equipment, and quadplex control panel. The new electrical distribution equipment and quadplex control panel were installed on a new steel platform structure with a pile supported concrete foundation with stair access to elevate the equipment.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
7/2017 (Actual)	\$339,919 (construction)	\$34,250 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Gretna Police Station <i>Gretna, LA</i></p> <p style="text-align: center;">Capt. Russell Lloyd Gretna Police Department 200 5th Street Gretna, LA 70053 (504) 363-1728</p>	<p>Burk-Kleinpeter, Inc., (BKI), provided the initial project scope and final design to the City of Gretna for the design and construction of a new three story office structure to be constructed in place of a portion of the existing structure currently being occupied by the Gretna Police Department (GPD). The scope included the civil, structural, electrical and mechanical design for the approximately 13,200 sf. space for the GPD's main office and communication areas. The foundation support used 14" sq. precast concrete piles (80' long) and the structure foundation is a reinforced concrete slab elevated 3' above the existing site with a reinforced concrete retaining wall around the building perimeter. The building superstructure is structural steel with the second, third and roof floor systems having a concrete slab in a metal pan supported by metal bar joists. Also included: flood mitigation to the existing building, civil design for site utilities, paving and drainage, electrical design for the power distribution, 400kW emergency generator power and lighting systems, and mechanical design for the HVAC, plumbing, and fire protection. Funding sources included Louisiana's GOHSEP and the Office of Community Development Disaster Recovery Unit, and FEMA/CDBG.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
6/2015 (Actual)	\$4,400,000 (construction)	\$2,237,000 (construction)

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Veterans Blvd. Lighting (Airport Access Rd. to Loyola Dr.) <i>Kenner, LA</i></p> <p style="text-align: center;">Tom Schreiner, PE Deputy CAO - Public Works City of Kenner 1610 Rev. Richards Wilson Drive Kenner, LA 70062 (504) 468-7515</p>	<p>Burk-Kleinpeter, Inc. provided engineering design services to prepare preliminary plans and final plans, specifications, and construction cost estimates for the addition of roadway lighting to Veterans Boulevard from Airport Road to Loyola Drive. The replacement lighting system is installed in the center median which improves visibility compared to the existing mounted wood utility pole luminaires installed only on the south side of Veterans Boulevard. The new lighting design consists of 30-foot-high poles rated to withstand the area's 140 mph, three-second gust wind rating requirement. The poles include dual arms to providing illumination of both the northbound and southbound travel lanes. The project limits included approximately 7,300 feet of roadway length which required the design of approximately 50 dual arm lighting standards with the pole and luminaire spacing at approximately 150 ft. The lighting photometric calculations were performed based on IES RP8-2000 roadway lighting standards.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
7/2020 (Actual)	\$2,200,000 (construction)	\$182,423 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>LA-23 Lighting Improvements <i>Metairie, LA</i></p> <p>Mark Drewes, PE Jefferson Parish Department of Public Works 1221 Elmwood Park Blvd., Suite 802 Jefferson, LA 70123 (504) 736-6511</p>	<p>Burk-Kleinpeter, Inc. provided engineering design services to prepare Preliminary and Final Plans, Specifications, and Construction cost estimates for the addition of roadway lighting to LA-23 from Lapalco Blvd. To Whitney Avenue. The new lighting design consisted of approximately 30 foot high, dual arm and single arm poles rated to withstand the area's 140 mph 3 second gust wind rating. The project limits included approximately 9,000 feet of roadway length which required the design of approximately 62 dual arm and 2 single arm poles and luminaire fixtures on 150 foot spacing. The lighting photometric calculations shall be performed based on IES-RP8-2000 roadway lighting standards.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
6/2015 (Actual)	\$1,994,810 (construction)	\$1,994,810 (construction)

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Nicolle Blvd. Street Lighting Lapalco Blvd. to NOLA Motorsports Park Entrance <i>Avondale, LA</i></p> <p>Mark Drewes, PE Jefferson Parish Department of Public Works 1221 Elmwood Park Blvd., Suite 802 Jefferson, LA 70123 (504) 736-6511</p>	<p>Burk-Kleinpeter, Inc. provided engineering design services to prepare Preliminary Plans and Final Plans, Specifications, and Construction cost estimates for the addition of roadway lighting on Nicolle Blvd. from Lapalco Blvd. to the main canal which prior to this project was not illuminated. Jefferson Parish Government elected to install decorative single arm roadway luminaires, with specifications to provide illumination to both travel lanes, behind the shoulder of the West bound traveling lanes.</p> <p>The new lighting design consisted of 30 foot high poles rated to withstand the area's 140 mph 3 second gust wind rating requirement. Project limits included approximately 9000 feet of roadway length which required the design of over 60 poles and luminaires. Project length required multiple electric services from the local power utility company. The lighting photometric calculations were performed based on IES RP8-2000 roadway lighting standards resulting in pole and luminaire fixtures on approximately 150 foot spacing.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
12/2013 (Actual)	\$1,301,524 (construction)	\$650,762 (construction)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Barataria Blvd. Lighting Improvements <i>Marrero, LA</i> Mark Drewes, PE Jefferson Parish Department of Public Works 1221 Elmwood Park Blvd. Jefferson, LA 70123 (504) 736-6494	Burk-Kleinpeter, Inc. provided engineering design services to prepare preliminary and final plans, specifications, and construction cost estimates for the addition of roadway lighting to Barataria Blvd. from the Westbank Expressway to Alice Street. Jefferson Parish elected to install decorative roadway pole top luminaire fixtures with dual arms in the center median to provide illumination to both travel lanes. Prior to this project there was no existing lighting for this thoroughfare. The new lighting design consisted of approximately 30-foot-high, dual-arm poles rated to withstand the 130 mph, three-second gust wind rating in this area. Project limits included approximately 1,850 feet of roadway length which required the design of approximately 16 dual arm pole top luminaire fixtures on 120 foot spacing. The lighting photometric calculations were performed based on IES RP8-2000 roadway lighting standards.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
12/2013 (Actual)	\$355,860 (construction)	\$33,043 (fee)

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Bayou Segnette Sports Complex Improvements- Generator Installations <i>Westwego, LA</i> Deidre Cummings Alario Center Events 2000 Segnette Blvd. Westwego, LA 70094 (504) 349-5525	Burk Kleinpeter, Inc. designed the installation of two emergency standby generators and automatic transfer switches for the Jefferson Parish John A. Alario, Sr. Event Center (Bayou Segnette Sports Complex) a 2,400-seat multi-purpose arena in Westwego, LA. This project included the design of a 1000kW emergency generator installation to an existing facility and a 500kW generator installation at the Hall B Expansion Building. The generators are packaged engine, alternator, sub-base fuel tank, and weatherproof enclosure units with the generator and fuel tanks installed on pile-supported concrete foundations. The automatic transfer switch gears were NEMA 3R service-entrance rated equipment installed on elevated access platforms with handrails.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
7/2012 (Actual)	\$643,237 (construction)	\$643,237 (construction)

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	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	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 Parish of Jefferson in response to your public notice for **As-Needed Professional Mechanical and Electrical Engineering Services for projects located throughout the parish, Resolution 137248**. Founded in 1910, BKI has become one of the leading consulting firms in the southeast region providing professional engineering (civil, structural, mechanical, and electrical) 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.

BKI'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 over 30 years of experience performing a variety of engineering services for mechanical and electrical 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: April 27, 2021

TEC Professional Services Questionnaire Additional Page

MINIMUM REQUIREMENTS FOR SELECTION

1. The persons or firms under consideration shall have at least one (1) principal who is a licensed, registered professional engineer in the State of Louisiana.

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

2. The persons or firms under consideration shall have a professional in charge of the Project who is a licensed, registered professional mechanical or electrical engineer in the State of Louisiana with a minimum of five (5) years experience (Section K. "PROFESSIONAL IN CHARGE OF PROJECT:" of the Professional Services Questionnaire).

- Robert P. Furlow, PE, a BKI Mechanical Engineer, is the Professional in Charge of Project and a licensed, registered professional mechanical engineer in Louisiana with 15 years' experience.

3. The persons of firms under consideration shall have one (1) employee who is a licensed, registered professional or mechanical engineer in the State of Louisiana in the applicable discipline involved. (A subcontractor may meet this requirement only if the advertised Project involves more than one discipline.)

- Robert P. Furlow, PE, a BKI Mechanical Engineer, is the Professional in Charge of Project and a licensed, registered professional mechanical engineer in Louisiana with 15 years' 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

A. Professional Training and Experience in Electrical Engineering

BKI has provided **mechanical and electrical engineering** services on a wide range of projects in Jefferson Parish including **wastewater treatment plants, lift stations, roadway lighting, emergency generators, drainage pumping stations, 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 As Needed Professional Mechanical and Electrical Engineering Services, we will use our previous experience and working relationships to provide a successful project from conceptual design through construction. **Each of the employees in this SOQ has provided services for projects using disaster funding including FEMA funds under a Hazard Mitigation Grant Program.**

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)*

- **30 years of experience in civil engineering planning, design, and construction of Jefferson Parish projects**
- Wide range of experience includes **public works projects** as Principal, Project Manager, or Project Engineer

Henry M. Picard, III, PE, PLS - *QA/QC; LA Registered Professional Engineer (Minimum Requirement No. 1)*

- **40 years of experience includes project management of public works projects**
- Wide range of experience as Principal, Project Manager, or Project Engineer includes many projects in Jefferson Parish

Robert Furlow, PE - *Mechanical Engineer - Professional in Charge of Project - LA Registered Professional Electrical Engineer with 5+ Years Experience (Minimum Requirements Nos. 2 and 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

Rene A. Chopin III, PE, SECB - *Chief Engineer/Structural Engineer*

- **33 years of engineering experience in highway roadway and bridge design including Jefferson Parish Projects**
- Has served as Project Manager or Project Engineer on a wide range of highway, bridge, roadway, and infrastructure projects

TEC Professional Services Questionnaire Additional Page

Daniel D. Marsalone, PE - Senior Structural Engineer

- **26 years experience in civil/structural engineering**
- Experience in project management of structural concrete projects including bridges (design/rating), water and waste water, flood protection, street/highway, site drainage design, and traffic engineering.
- Experience includes computer-aided design and engineering tasks such as load calculation, systems analysis, spreadsheets, word processors, and CAD systems, such as AASHTOWare, Microstation/InRoads, Merlin-Dash, HEC-RAS, WSPRO, and EPANET.

J. Bart Mullis, III, PE, LEED AP - Associate - Electrical Engineer

- **40 years of experience in electrical engineering planning, design, and construction**
- Experience includes computer-aided design and engineering tasks such as load calculation, systems analysis, spreadsheets, word processors, and CAD systems
- Has worked on many project types and sizes including emergency generator systems, primary distribution, secondary distribution, medium voltage systems, communications, security systems, data, and fire detection and alarm systems

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

Carlos O. Vega, EI - Electrical Designer

- **16 years of experience in electrical engineering design**
- Experience includes computer-aided design and engineering tasks such as load and photometric calculations, systems analysis, spreadsheets, word processors, and CAD systems
- Has worked on many project types and sizes including emergency generator systems, primary distribution, secondary distribution, medium voltage systems, lighting systems, data, and fire detection and alarm systems.

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	30	BS, Civil Engineering	QA/QC, Civil Engineering	Yes
Henry M. Picard, III, PE, PLS	40	BS, Civil Engineering	QA/QC	Yes
Robert P. Furlow, PE	23	BS, Mechanical Engineering	Professional in Charge of Project	Yes
Rene A. Chopin, III, PE, SECB	33	BS, Civil Engineering	Structural Engineer	Yes
Daniel D. Marsalone, PE	26	BS, Civil Engineering	Senior Structural Engineer	Yes
Rebecca J. Chopin, PE	7	BS, Civil Engineering	Structural Concrete Design	Yes
J. Bart Mullis, III, PE, LEED AP	41	AS, Electrical Engineering	Electrical Engineering	Yes
Carlos O. Vega, EI	16	BS, Electrical Engineering	Electrical Design	Yes
Daniel S. Caluda, Jr	39	BS, Petroleum Engineering	Mechanical Designer	Yes

TEC Professional Services Questionnaire Additional Page

B. Parish Work Previously Performed and Presently Being Performed

Over the years, BKI has provided engineering services for numerous **mechanical and electrical engineering projects** for Jefferson Parish. Electrical engineering projects of note include **Veterans Blvd. Lighting - Airport Access Rd. to Loyola Dr.** (Project No. 6 in this SOQ; completed 7/2020) and the **Gretna Police Station** (Project No. 5 in this SOQ; completed 6/2015 - fund sources included Louisiana's GOHSEP and the Office of Community Development Disaster Recovery Unit, and FEMA/CDBG.). In addition, BKI has performed numerous recent and ongoing mechanical engineering projects, including the **Rosethorne Sewage Treatment Plant** (Project No. 1 in this SOQ, completion estimated 8/2021); **Marrero WWTP Headworks** (Project No. 2 in this SOQ, completion estimated 1/2022); and **Cheniere Water Facility** (Project No. 3 in this SOQ, completion estimated 2023).

In addition to the projects listed in Section L, BKI has provided engineering services for many projects involving mechanical and electrical engineering services. Some of these projects include:

- 18th Street Lighting
- Airline Highway Lighting Improvements
- Taft Park Drainage Pump Station
- Clearview Parkway, Mounes to Airline
- Lafitte-Larose High Rise Bridge Over Bayou
- Willowridge Drainage Pump Station
- Metairie CBD Improvements
- Metairie CBD Road Rehabilitation
- I-10/Williams Blvd. Interchange Pedestrian and Lighting Improvements
- Sewer Lift Station, Vintage Drive at Medoc Street
- Intersection Improvements at Williams Blvd. and Airline Hwy.

C. Capacity for Timely Completion

The BKI Team's current workload and future project schedules are such that we can firmly commit our technical and support staff to meeting the requirements of this contract and fulfilling its assignments. BKI is committed to providing specialized, professional services as required under this contract. Throughout our history we have worked in close coordination with municipal, state, and federal project staff. We have chosen our team based on proven technical and managerial track records. We are committed to providing timely performance of work to our clients and can afford to give individualized attention to keeping you abreast of each phase of the project. Since BKI is centrally located in the City of New Orleans and with a branch in Metairie, we are highly accessible and can provide support for infrastructure design and construction projects on short notice (24 hours) or within an agreed upon time frame with engineering staff in emergency situations.

BKI's entire company staff (including branch offices) consists of 64 full-time employees. Forty-four of these employees work out of our New Orleans headquarters and **Metairie** branch office. These 44 employees are categorized as follows:

ENGINEER	PLANNER	DESIGNER/ DRAFTER	ENGINEERING INTERN	CONSTRUCTION INSPECTOR	ADMINISTRATIVE
Civil: 9; Mechanical: 2 Electrical: 1; Structural: 4	3	4	4	3	14

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.

D. BKI's Past Performance on Public Contracts

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

BKI's federal grant experience includes over \$20 million of work within various federal/state grant programs, including the **Federal Emergency Management Agency's (FEMA's) Hazard Mitigation Grant Program (HMGP)**. A sampling of these projects includes: Gretna Police Headquarters, Maplewood Area Drainage, Bellemeade Area Drainage, New Orleans Sewerage & Water Board Program Management Repairs, Schneider Canal Pump Station Barscreen & Automatic Rakes, and Ponchatoula Sewer Lift Station Generators - CDBG.

TEC Professional Services Questionnaire Additional Page

Other clients we have provided services similar to those listed in this RFQ to include the following:

- La. Department of Transportation & Development
- Lake Borgne Basin Levee District
- West Jefferson Levee District
- St. Charles Parish Council
- Coastal Protection and Restoration Authority
- U.S. Army Corps of Engineers, New Orleans District
- Southeast Louisiana Flood Protection Authority - East
- City of Ponchatoula
- Orleans Levee District
- City of Slidell
- New Orleans Sewerage and Water Board
- U.S. Army Corps of Engineers, Mobile District
- Ascension Parish
- East Jefferson Levee District

E. BKI Work which Resulted in Litigation Between Jefferson Parish and BKI

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

F. Past and Current Professional Accomplishments with References

Over the years, BKI has provided engineering services for many electrical projects, as detailed in this SOQ. Similar projects with verifiable references include:

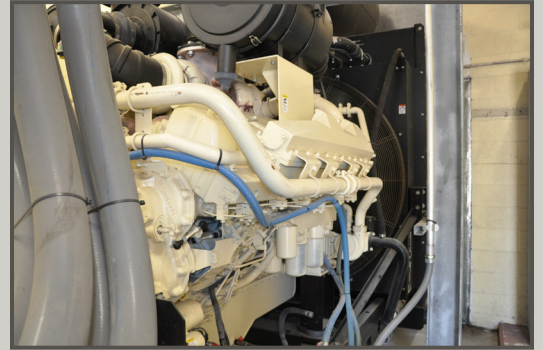
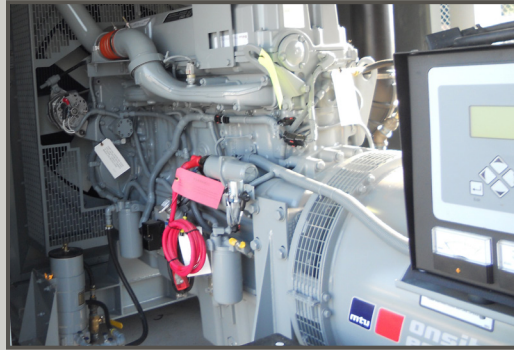
PROJECT	DESCRIPTION	CLIENT REFERENCE
Gretna Emergency Generator at Sewer Station No. 1 <i>Gretna, LA</i>	BKI replaced an existing 250kW generator with a 350kW generator and 800 amp automatic transfer switch. The generator was specified with a sound attenuated enclosure to reduce noise pollution in the residential area.	City of Gretna Mike Baudoin (504) 363-1500
New Addition to Gretna Police Headquarters <i>Gretna, LA</i>	BKI provided the initial scope of work and construction cost estimates for grant funding application, preliminary and final design, bidding services, construction administration, project closeout, and as-built plans for the project. The project included flood mitigation, structural design, civil design, electrical design for the power distribution, emergency power and lighting systems, and mechanical design.	Gretna Police Department Capt. Russell Lloyd (504) 363-1728
Veterans Blvd. Lighting (Airport Access Rd. to Loyola Dr.) <i>Kenner, LA</i>	Burk-Kleinpeter, Inc. provided engineering design services to prepare preliminary plans and final plans, specifications, and construction cost estimates for the addition of roadway lighting to Veterans Boulevard from Airport Road to Loyola Drive. The replacement lighting system is installed in the center median which improves visibility compared to the existing mounted wood utility pole luminaires installed only on the south side of Veterans Boulevard.	City of Kenner - Department of Public Works Tom Schreiner, PE (504) 468-7515

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 **As Needed Professional Mechanical and Electrical Engineering Services on an As-Needed Basis, Resolution 137248.**



BFM Corporation, LLC TEC Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provision of Professional Mechanical and Electrical Engineering Services on an As-Needed Basis for Projects located throughout the Parish

SOQ 21-009 | Resolution No. 137248

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



BFM
CORPORATION, LLC
Professional Land & Hydrographic Surveying

BFM Corporation, LLC

15 Veterans Memorial Boulevard
Kenner LA 70062

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

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

504-468-8800 • 504-460-5239 cell • cpoche@bfmcorporation.com
Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

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

Ralph P. Fontcuberta, Jr., Executive Vice President

504-468-8800 • 504-451-7500 cell • ralph@bfmcorporation.com
Registered Professional Land Surveyor, Louisiana No. 4329 (1974)

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

4	Administrative	-	Estimators	-	Specification Writers
-	Architects (Licensed)	-	Geologists	-	Structural Engineers
-	Chemical Engineers	1	Geotechnical Engineers	-	Graduate Engineers
-	Civil Engineers	-	Interior Designers	3	Project Managers
-	Construction Inspectors	-	Landscape Architects	*	Clerical (<i>see Administrative</i>)
-	Ecologists	-	Mechanical Engineers	-	Grant/Funding Specialist
-	Electrical Engineers	*	Land Surveyor (<i>*see PLS</i>)	-	Sanitary Engineers
-	Engineer Intern	-	Mechanical Engineers	4	Drafting/AutoCADD
1	Professional Land Surveyors	-	Environmental Engineers	7	Survey Crew Chiefs
				4	Instrument Men
				24	TOTAL

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

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

TEC Professional Services Questionnaire

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

1. **N/A**

2.

H. Has this JOINT-VENTURE previously worked together? Please check:

YES _____ NO _____

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Ralph P. Fontcuberta, Jr., PLS has provided services on an almost incalculable number of surveying projects throughout southeastern Louisiana in the past half century and **has been a registered Professional Land Surveyor (PLS) since 1974**. He is thoroughly knowledgeable in all aspects of surveying: topographic, hydrographic, boundary, right-of-way surveying, and all facets thereof. He has provided surveying services for residential, plant, and industrial layout projects, ranging from small private lots & buildings to multi-million-dollar programs, including the New Orleans FEMA Streets/Recovery Roads Program. Since the beginning of his career, his work has entailed computations, drafting, and field work for various industrial, commercial, municipal, and private clients.

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

Mr. Fontcuberta's **surveying experience with Jefferson Parish can be traced back to BFM's inception in 1982**, and before then while working as a surveyor with another firm. He has over half a century of experience with surveying throughout the region and **specifically with Jefferson Parish**.

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

- *Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA*
- *Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA*
- *Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA*
- *DPW Maintenance Building, Jefferson Parish, LA*
- *Rivarde Maintenance Facility, Jefferson Parish, LA*
- *East Bank Water Treatment Plant Improvements – 3D Laser Scanning Survey, Jefferson Parish, LA*
- *Coventry Drainage Pump Stations, Jefferson Parish, LA*
- *Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, LA*
- *Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA*
- *Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA*
- *Clancy-Maggiore Elementary School for the Arts Survey, Kenner, Jefferson Parish, LA*
- *East Jefferson High School Courtyard Improvements, Jefferson Parish School Board, Marrero, LA*
- *Fire Department Garage/Fire Training Center, Jefferson Parish, LA*
- *New Facility (15 Acres), Jefferson Parish, LA*
- *Lasalle Rest Room Building, Jefferson Parish, LA*
- *Fire Station No. 12, Jefferson Parish, LA*
- *Celotex Park Servitude Study, Westwego, Jefferson Parish, LA*
- *Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA*
- *Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA*
- *Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA*
- *Lift Station F8-3, Metairie, Jefferson Parish, LA*
- *Destrehan Lift Station Upgrades, Jefferson Parish, LA*
- *Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA*
- *Lift Station E3-2 (Elmwood & Citrus), Metairie, Jefferson Parish, LA*
- *Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA*
- *Lift Station F7-12 (Grace King and Rockford), Metairie, Jefferson Parish, LA*
- *Lift Station K-11-3, Marrero, Jefferson Parish, LA*
- *Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA*
- *Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA*
- *Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA*
- *Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA*
- *Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA*
- *Hanson City Area Force Main Improvements, Kenner, Jefferson Parish, LA*
- *Kennedy Heights Sewer Lift Station, Jefferson Parish, LA*
- *Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA*
- *Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA*
- *Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA*
- *Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA*
- *N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA*

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Mr. Poché is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for more than 25 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

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

BFM Corporation projects overseen by Mr. Poché would include:

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM Corporation provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$478,744 (fee); 2020)

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

Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA. Site-specific topographic surveys for projects located at multiple Jefferson Parish Schools, including Airline Park Academy for Advanced Studies, Bonnabel High School, Alfred Magnet Academy High School, Boudreaux, Geraldine Elementary, Bridgedale Elementary, Livaudais Middle School, Matas, Rudolph Elementary, McDonogh No.26 Elementary, Solis, Paul J. Elementary, Thomas West Jefferson, West Jefferson High, and Woodland West Elementary. (\$47,461 (fee); 2020)

Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent ROW (right-of-way) to apparent ROW along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$26,410 (fee); 2020)

Celotex Park Servitude Study, Westwego, Jefferson Parish, LA. BFM Corporation was contracted by the Jefferson Parish Department of Engineering to provide a servitude survey of the Celotex Park project. The full scope included establishing a baseline Parallel to the proposed 23 ft. servitude. BFM located existing improvements within the proposed servitude, including all utilities. (\$13,650 (fee); 2019)

Rudolph Matas Elementary School HVAC Renovation Project, Metairie, Jefferson Parish, LA. BFM executed a site-specific topographic survey for the project, located at 1201 Elise Avenue in Metairie. (\$9,290 (fee); 2020)

Kate Middleton School - 3D Scanning Services (Building Exterior), Gretna, Jefferson Parish, LA. BFM's surveying services included a 3D scanning survey of the building exterior for the project. (\$8,950 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Field Operations Supervisor

Project Assignment:

Field Operations Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

Professional Land Surveyor Registration in process, State of Louisiana

Other experience and qualifications relevant to the proposed Project:

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

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

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM executed a boundary survey, utilizing Laser Scan P3, for an As-Built Utilities survey. This included draft surveying (in conjunction with the Prime Firm) as well as provision of final survey as directed. In a later phase, BFM provided topographic and boundary surveying services. (\$154,770 (fee); 2017)

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)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

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

Fire Department Garage/Fire Training Center, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which included the East Street/Bridge City (Fairfield Plantation) FD and the Fire Training Center in Belt Bridge. (\$8,124 (fee); 2016)

Clancy-Maggiore Elementary School for the Arts, Kenner, Jefferson Parish, LA. BFM provided boundary surveying services for the project, which focused on improvements to the site. Later updates included a Form Board Certificate (FBC). (JPPSS Proj #2015-75) (\$19,940 (fee); 2017)

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

Emergency Generator Replacement at the East Bank Treatment Plant, Jefferson Parish, LA. BFM prepared a topographic survey of the area surrounding the proposed site for the emergency generators. (\$5,888 (fee); 2012)

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

Woodmere Community Center – Parcel K, Woodmere Subdivision Section 1, Jefferson Parish, LA. BFM provided boundary & topographic surveying services for this project. (\$11,032 (fee); 2011)

Lafitte Arts Center, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the Lafitte Arts Center (Jean Lafitte Boulevard; 20-1050). (\$7,644 (fee); 2011)


Kings Grant Gymnasium Elevator Replacement, Marrero, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$3,245 (fee); 2011)

Barataria Lighting, West Bank Expressway to Lapalco Boulevard, Jefferson Parish, LA. BFM provided topographic surveying. (\$18,502 (fee); 2009)

18th Street - Street Lighting, Jefferson Parish, LA. BFM's surveying services for the project included stake-out, right-of-way surveying, property lines, and curb returns. (\$2,763 (fee); 2009)

Lincoln Elementary School, Marrero, Jefferson Parish Public Schools, Jefferson Parish, LA. BFM provided topographic surveying services for a project at Lincoln Elementary School, located at 1429 Ames Boulevard in Marrero. Survey was requested by John O'Connor of Hewitt-Washington & Associates. (\$18,160 (fee); 2009)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Gary J. Lambert, Jr., LSI Project Manager/Drafting Supervisor</p>
Project Assignment:
<p>Project Manager/Drafting Supervisor</p>
Name of Firm with which associated:
 <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p>
Years experience with this Firm:
<p>3 years (joined BFM in 2018); 3 years total</p>
Education: Degree(s)/Year/Specialization:
<p>B.S., 2018, Geomatics, Nicholls State University B.S., 2014, Construction Management, Louisiana State University</p>
Active registration: Year first registered/discipline:
<p>2019, Survey Intern, Louisiana, LSI.0000694</p>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Lambert provides Project Management and Drafting Oversight for the firm. He has also provided Survey Crew Chief Services since joining BFM and offers a well-rounded experience overview for any project. Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).</p> <p>Celotex Park Servitude Study, Westwego, Jefferson Parish, LA. BFM Corporation was contracted by the Jefferson Parish Department of Engineering to provide a servitude survey of the Celotex Park project. The full scope included establishing a baseline Parallel to the proposed 23 ft. servitude. BFM located existing improvements within the proposed servitude, including all utilities. (\$13,650 (fee); 2019)</p> <p>Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM Corporation provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$478,744 (fee); 2020)</p>

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

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)


Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent ROW (right-of-way) to apparent ROW along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$26,410 (fee); 2020)

Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA. BFM's surveying services included Route Topographic and Boundary Survey for the project, which was located at the Causeway Boulevard Overpass of Airline Drive. This was designated as Phase 3 of the Rehabilitation Project, which included Ramps 4, 5, and the Traffic Circle. (\$68,090 (fee); 2020)

Jefferson Highway to Charlotte Drive Route Topographic Survey, River Ridge, Jefferson Parish, LA. BFM executed a Route Topographic Survey of the project area (Jefferson Highway to Charlotte Drive), which further involved the Midway Drive Drainage Improvements (Phase 2) project in River Ridge. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$19,135 (fee); 2020)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Christopher Lemley Quality Control Supervisor/Survey Crew Chief</p>
Project Assignment:
Quality Control Supervisor
Name of Firm with which associated:
 <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p>
Years experience with this Firm:
7 years (joined BFM in 2014); 15 years total (2006)
Education: Degree(s)/Year/Specialization:
<i>High School Diploma</i>
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Lemley services a BFM's Quality Control Supervisor, overseeing all work and activity by the firm's personnel to be sure all is kept up to our exacting standards. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station. Notable past project work has included the New Orleans Museum of Art, Jackson Barracks Restoration, US Highway 11, NASA Michoud Cells 3 & 4, the St. Bernard Lot Next Door Program, and multiple Orleans Parish School Recovery projects.</p> <p>Celotex Park Servitude Study, Westwego, Jefferson Parish, LA. BFM Corporation was contracted by the Jefferson Parish Department of Engineering to provide a servitude survey of the Celotex Park project. The full scope included establishing a baseline Parallel to the proposed 23 ft. servitude. BFM located existing improvements within the proposed servitude, including all utilities. (\$13,650 (fee); 2019)</p> <p>Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA. A survey update was provided by BFM, which was a continuation of a previous surveying project executed by the company. The scope of work included updating or addition of topographic survey at the intersection of Vintage Drive and Power Boulevard, and shooting two cross sections along the canal adjacent to a proposed bridge location. BFM further located the waterline, new monument along Power Boulevard, and located the monument of Lot 7 and adjacent property line along Janice Street and Vintage Boulevard. (\$11,390 (fee); 2019)</p>

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Lemley (continued)

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

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)

Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent ROW (right-of-way) to apparent ROW along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$26,410 (fee); 2020)


River Road Water Line Replacement, Jefferson Parish, LA. As directed by the Project Engineer, BFM provided topographic surveying services for the project, which extended from Rivet Boulevard to Willswood Drive. This project was part of the Louisiana Department of Health and Hospitals (LDHH) Clean Drinking Water loan program. (\$84,700 (fee); 2015)

Department of Public Works (DPW) Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site.(\$4,450 (fee); 2020)

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

11th Street Rehabilitation, Harvey, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$13,860 (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:
 Professional Land & Hydrographic Surveying
Years experience with this Firm:
13 years (joined BFM in 2008); 44 years total (1977)
Education: Degree(s)/Year/Specialization:
<i>High School Diploma</i>
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Wright has over 40 years of experience in surveying services, including a multitude of project types (water, wastewater, stormwater, drainage, roadway, etc.) throughout the region. He has multiple ATSSA (American Traffic Safety Service Association) certifications (including Traffic Control Technician, Traffic Control Supervisor, and Traffic Flagger), and has completed the Basic OSHA Training Course. He is also TWIC (Transportation Work Identification Card) certified.</p> <p>DPW Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site.(\$4,450 (fee); 2020)</p> <p>Rudolph Matas Elementary School HVAC Renovation Project, Metairie, Jefferson Parish, LA. BFM executed a site-specific topographic survey for the project, located at 1201 Elise Avenue in Metairie. (\$9,290 (fee); 2020)</p> <p>Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations. (\$22,860 (fee); 2016)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Curtis "Jay" Barrios
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A


Other experience and qualifications relevant to the proposed Project:

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

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

Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent ROW (right-of-way) to apparent ROW along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$26,410 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Jeff Patin Survey Crew Chief</p>
Project Assignment:
<p>Survey Crew Chief</p>
Name of Firm with which associated:

Years experience with this Firm:
<p>2 years (joined BFM in 2019); 22 years total (1999)</p>
Education: Degree(s)/Year/Specialization:
<p><i>High School Diploma</i></p>
Active registration: Year first registered/discipline:
<p>N/A</p>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Patin has worked as a Survey Crew Chief and Instrumentman for 20 years for a number of southeastern Louisiana surveying firms on projects throughout the region. His work history includes supervision of field crew personnel, operation of various survey equipment (Topcon GPT, Leica GPS, Total Station, etc.), calculations, information collection, and any & all work required to execute the survey and obtain the information needed. Mr. Patin has worked on projects for various public & private clients, and has performed field work under the direction of the Corps of Engineers.</p> <p>Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM Corporation provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$478,744 (fee); 2020)</p> <p>DPW Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site.(\$4,450 (fee); 2020)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

10 years (joined BFM in 2011); 30 years total (1992)

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active registration: Year first registered/discipline:

NA


Other experience and qualifications relevant to the proposed Project:

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

Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA. BFM provided topographic surveying services in relation to improvements at Lift Station F1-1, located at the intersection of Plantation Road and Toler Street in Elmwood Industrial Park Subdivision in Elmwood. (\$4,880 (fee); 2018)

Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent ROW (right-of-way) to apparent ROW along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$26,410 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Shaun Clements CADD Technician</p>
Project Assignment:
<p>CADD Technician</p>
Name of Firm with which associated:
 <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p>
Years experience with this Firm:
<p>3 years (joined BFM in 2018); 6 years total (2015)</p>
Education: Degree(s)/Year/Specialization:
<p>Associates of Applied Sciences, 2015, Computer Drafting and Design (ITT)</p>
Active registration: Year first registered/discipline:
<p>NA</p>
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Clements college work resulted in a GPA of 4.0, earning her Valedictorian status. She also was the recipient of the Highest Honors and Perfect Attendance Awards.</p> <p>Lafreniere Food Pavilion, Lafreniere Park, Metairie, Jefferson Parish, LA. BFM prepared a site-specific topographic survey for the project site. (\$9,050 (fee); 2020)</p> <p>Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)</p> <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> <p>DPW Maintenance Building, Jefferson Parish, LA. BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site.(\$4,450 (fee); 2020)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA. Site-specific topographic surveys for projects located at multiple Jefferson Parish Schools, including Airline Park Academy for Advanced Studies, Bonnabel High School, Alfred Magnet Academy High School, Boudreaux, Geraldine Elementary, Bridgedale Elementary, Livaudais Middle School, Matas, Rudolph Elementary, McDonogh No.26 Elementary, Solis, Paul J. Elementary, Thomas West Jefferson, West Jefferson High, and Woodland West Elementary. (\$47,461 (fee); 2020)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM executed a boundary survey, utilizing Laser Scan P3, for an As-Built Utilities survey. This included draft surveying (in conjunction with the Prime Firm) as well as provision of final survey as directed. In a later phase, BFM provided topographic and boundary surveying services. (\$154,770 (fee); 2017)

Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, LA. Site-specific topographic surveys for projects located at multiple Jefferson Parish Schools, including Airline Park Academy for Advanced Studies, Bonabel High School, Alfred Magnet Academy High School, Boudreaux, Geraldine Elementary, Bridgedale Elementary, Livaudais Middle School, Matas, Rudolph Elementary, McDonogh No.26 Elementary, Solis, Paul J. Elementary, Thomas West Jefferson, West Jefferson High, and Woodland West Elementary. (\$47,461 (fee); 2020)

West Bank Bus Stop Improvements, Jefferson Parish, LA. BFM's surveying services involved topographic surveying (25 ft grid) for multiple bus stop locations. (\$26,622 (fee); 2019)

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

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

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>Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, Louisiana</p> <p>Hardesty & Hanover 3850 N Causeway Blvd Ste 1850 Metairie LA 70002</p> <p>Babak Naghavi, 504-962-9212 bnaghavi@hardestyhanover.com</p>	<p>BFM Corporation provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/ bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (Public Works No. 2017-046-RBP; H.004396)</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 09 (SEP)	N/A	\$478,744 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Medical Center Boulevard Lighting, Marrero, Jefferson Parish, Louisiana</p> <p>Buchart-Horn, Inc. 18163 E Petroleum Dr Ste A Baton Rouge LA 70809</p> <p>Alan Krouse, 225-755-2120 akrouse@bucharthorn.com</p>	<p>BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent ROW (right-of-way) to apparent ROW along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 07 (JUL)	N/A	\$26,410 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Site Specific Topographic Surveys for Multiple School Locations, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Schools Facilities Department 4600 River Road Marrero LA 70072</p> <p>Steve Faust; 504-349-8595 steve.faust@jppss.k12.la.us</p>	<p>Site-specific topographic surveys for projects located at multiple Jefferson Parish Schools, including Airline Park Academy for Advanced Studies, Bonnabel High School, Alfred Magnet Academy High School, Boudreaux, Geraldine Elementary, Bridgedale Elementary, Livaudais Middle School, Matas, Rudolph Elementary, McDonogh No.26 Elementary, Solis, Paul J. Elementary, Thomas West Jefferson, West Jefferson High, and Woodland West Elementary.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 06 (JUN)	N/A	\$47,461 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Department of Public Works (DPW) Maintenance Building, Jefferson Parish, Louisiana</p> <p>CDW Services, LLC 721 Papworth Ave Ste 101 Metairie LA 70005</p> <p>Tasha Duffourc, 504-828-2061</p>	<p>BFM provided stake-out services (four corners) for the DPW Maintenance Building Site (755 S. Jefferson Davis Parkway). Additional project work included preparation of an As-Built Survey of the project site.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 01 (JAN)	N/A	\$4,450 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Rivarde Maintenance Facility, Jefferson Parish, Louisiana</p> <p>Burgdahl & Graves Architects 2550 Belle Chasse Hwy, Suite 130 Gretna LA 70053</p> <p>Russell I. Burgdahl, 504-366-4433 rburgdahl@burgdahlgroves.com</p>	<p>BFM provided boundary and topographic surveying services for the Rivard Maintenance Facility project, located at 1651 Manhattan Boulevard in Harvey. Scope included establishing a baseline parallel to Manhattan Boulevard; setting temporary benchmarks (TBMs) & construction benchmarks (CBMs) on or near the site; establishing cross sections on a 25 ft grid; FF elevations of all buildings. Product to be drawn so that a single ROW (right-of-way) is parallel to at least 1 edge of the sheet.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 11 (NOV)	N/A	\$6,890 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>East Bank Water Treatment Plant Improvements – 3D Laser Scanning Survey, Jefferson Parish, Louisiana</p> <p>Stantec 1340 Poydras Street, Suite 1420 New Orleans LA 70112</p> <p>Jeffrey Sapia, P.E., 225-926-3991 jeffrey.sapia@stantec.com</p>	<p>BFM executed a boundary survey, utilizing Laser Scan P3, for an As-Built Utilities survey. This included draft surveying (in conjunction with the Prime Firm) as well as provision of final survey as directed. In a later phase, BFM provided topographic and boundary surveying services.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 02 (FEB)	N/A	\$154,770 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Coventry Drainage Pump Stations, Jefferson Parish, Louisiana</p> <p>ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70001</p> <p>Sunina Shrestha, 504-885-4080 SShrestha@ecmconsultants.com</p>	<p>BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from right-of-way to right-of-way along Jefferson Highway, including properties southwest of Jefferson Highway between Coventry Court and Colonial Heights Road. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$89,780 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, Louisiana</p> <p>Jefferson Parish 1221 Elmwood Park Blvd Ste 902 Jefferson LA 70123</p> <p>Miles Bingham, 504-736-8753 mbingham@jeffparish.net</p>	<p>BFM prepared a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area included the Destrehan ramp intersection, Chadwood Drive to Destrehan Avenue, and from the Destrehan ramp to Patriot Street. Surveying services further included the intersection of Destrehan Avenue to all side streets within the project area.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 06 (JUN)	N/A	\$86,355 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, Louisiana</p> <p>Design Engineering 3330 W Esplanade Ave Ste 205 Metairie LA 70002</p> <p>John Karlin, 504-836-2155</p>	<p>BFM's surveying services included Route Topographic and Boundary Survey for the project, which was located at the Causeway Boulevard Overpass of Airline Drive. This was designated as Phase 3 of the Rehabilitation Project, which included Ramps 4, 5, and the Traffic Circle. Generally, for the Route Topographic Survey, the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 09 (SEP)	N/A	\$68,090 (fee)

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

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

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

BFM CORPORATION, LLC

Professional Land & Hydrographic Surveying

PROFESSIONAL TRAINING AND EXPERIENCE

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

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

Our capabilities include the following and more:

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

PERSONNEL

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

TEC Professional Services Questionnaire

N. continued.

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

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

SIZE OF FIRM & ABILITY TO MEET PROJECT DEADLINES

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

EXPERIENCE WITH JEFFERSON PARISH

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

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

LOCATION OF PRINCIPAL OFFICE

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

PAST PERFORMANCE ON PUBLIC CONTRACTS / REFERENCES

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

- **Mark R. Drewes, P.E.**, Director, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Neil Schneider, CCM, P.E.**, Director, Capital Projects, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Tom Schreiner**, Deputy CAO, Public Works & Capital Projects, City of Kenner (504-468-7515 | tschreiner@kenner.la.us)

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)
- **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.



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

Signature: _____

Print Name: _____

Chad M. Poché, P.E.

Title: _____

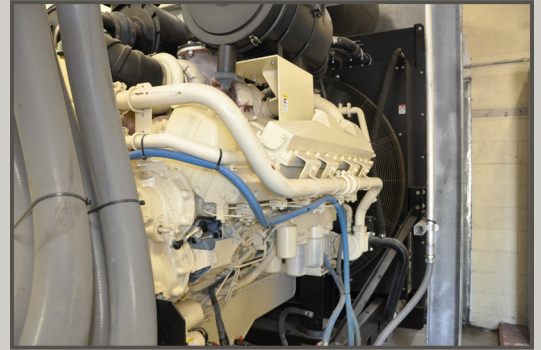
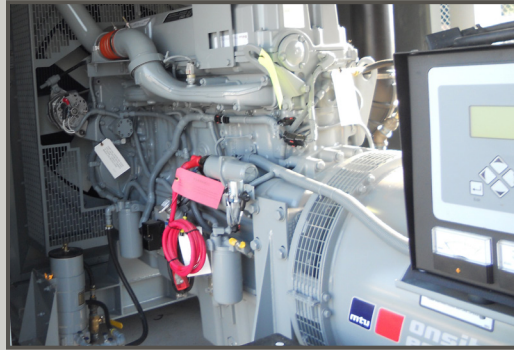
Executive Vice President

Date: _____

April 21, 2021



Gulf South Engineering and Testing, Inc. TEC Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provision of Professional Mechanical and Electrical Engineering Services on an As-Needed Basis for Projects located throughout the Parish

SOQ 21-009 | Resolution No. 137248

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



Gulf South Engineering and Testing, Inc.

15 Veterans Memorial Boulevard

Kenner LA 70062

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

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

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

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

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

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

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

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

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

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

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

28* TOTAL

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

H. Has this JOINT-VENTURE previously worked together? Please check:

YES _____ NO _____

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.

Vice-President

Project Assignment:

Engineering Manager; Geotechnical Engineer

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

M.S., 1998, Civil Engineering, University of New Orleans

B.S., 1993, Civil Engineering, Louisiana State University

Active registration: Year first registered/discipline:

1998, Civil Engineer, Louisiana No. 27667

2002, Civil Engineer, Mississippi No. 15405

Other experience and qualifications relevant to the proposed Project:

Mr. Poché is the Vice President, co-founder, and partner in Gulf South. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

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)

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

Clancy-Maggiore Elementary School – New Art and Band Wing, Jefferson Parish, LA. Geotechnical investigation for a new art and band building (10,000 sf) in Kenner, LA. Gulf South's scope includes drilling two soil borings to depths of 60 feet and 40 feet, lab testing, and engineering analyses including allowable soil bearing values, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations. (\$6,000 (fee); 2016)


Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA. Geotechnical investigation for a new HVAC unit and handicap ramp at Johnny Bright playground in Metairie, LA. Scope of services consisted of drilling a soil boring to 50 feet in depth, laboratory testing, and providing allowable soil bearing values and estimates of settlement. (\$4,500 (fee); 2013)

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

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

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)

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:
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>
Years experience with this Firm:
9 years with this firm (2012); 15 years total (2006)
Education: Degree(s)/Year/Specialization:
M.S., 2018, Civil Engineering, University of New Orleans Certification - Coastal Engineering, 2018, University of New Orleans B.S., 2008, Civil Engineering, Louisiana State University
Active registration: Year first registered/discipline:
2013, Civil Engineer, Louisiana, No. 38607 2018, Professional Engineer, Texas No. 129410
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Vutera serves as Gulf South's Engineering Manager and is based in Gulf South's Kenner, LA office. His experience with the firm includes daily work on geotechnical engineering projects as well as managing all geotechnical investigations and providing assistance with laboratory testing and construction materials testing and inspection. Engineering analyses that Mr. Vutera routinely performs include: shallow and deep foundations, slope stability analyses, settlement estimates, and pavement design. He is responsible for engineering design, report preparation, proposal preparation, personnel management, project management, and client interaction.</p> <p>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.</p> <p>New Charter School (Behrman Highway), Terrytown, Jefferson Parish, LA. Geotechnical investigation for construction of a new Charter School along Behrman Highway in Terrytown, LA. Gulf South's scope includes drilling 13 soil borings to depths of 100 feet (2 borings for structure), 80 feet (2 borings; 1 structure & 1 canal stability analysis), 60 feet (2 borings for structure), 10 feet (7 borings for paved</p>

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

areas), lab testing (strength and classification), and geotechnical engineering analysis including allowable soil bearing values, allowable pile load capacities, estimates of settlement, slope stability analyses, rigid and/or flexible pavement design recommendations, and general construction recommendations. (\$20,000 (fee); 2017)

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)

Williams Boulevard Street Lighting (32nd St. to Vintage Dr.), City of Kenner, LA. Geotechnical investigation for construction of street lighting on Williams Boulevard, between 32nd Street to Vintage Drive. Gulf South's scope includes drilling four soil borings each to a depth of 50 feet, lab testing (strength and classification), and geotechnical engineering analysis including allowable pile load capacities, estimates of settlement, and general construction recommendations. (\$12,000 (fee); 2016)


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

West Esplanade Street Lighting (Chateau Boulevard to Duncan Canal), City of Kenner, LA. Geotechnical investigation for new street lighting on West Esplanade Avenue in the City of Kenner, from Chateau Boulevard to the Duncan Canal. Gulf South's scope of work includes drilling three soil boring each to a depth of 50 feet, laboratory testing, and design for allowable pile load capacities, estimates of settlement, and general construction procedures and recommendations. (\$9,500 (fee); 2016)

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)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Joseph H. “Trey” Binder, III Laboratory Manager	
Project Assignment:	
Laboratory Manager; Laboratory Technician	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. <small>Geotechnical & Materials Consultants</small> </div> </div>	
Years experience with this Firm:	
10 years with this firm (2011); 15 years total (2006)	
Education: Degree(s)/Year/Specialization:	
A.D., 2011, General Studies, Nunez Community College	
Active registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Binder has direct experience with field and laboratory testing services, and is NICET certified in multiple disciplines, including Construction Materials Testing Soils, Geotechnical Engineering Technologies Exploration, and Geotechnical Engineering Technologies Laboratory (Level I). Mr. Binder has HAZMAT Awareness and Operations Training.</p> <p>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.</p> <p>Earhart Boulevard Lighting Project, Kenner, Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf South’s scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)</p> <p>Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South’s</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> HAZMAT Awareness HAZMAT Operations Training ACI Aggregate Base Testing Technician </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

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)

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

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)


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

Jefferson Parish Fire Fleet Maintenance Facility - New Paved Areas, Jefferson Parish, LA. Geotechnical engineering services for the construction of new paved areas for fire trucks at the Jefferson Parish Fleet Maintenance facility at 4901 Jefferson Highway in Jefferson, LA. Gulf South's scope includes drilling four undisturbed soil borings (b.g.s.; four at 8 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$2,800 (fee); 2019)

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 Drive. 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)

Clancy-Maggiore Elementary School – New Art and Band Wing, Jefferson Parish, LA. Geotechnical investigation for a new art and band building (10,000 sf) in Kenner, LA. Gulf South's scope includes drilling two soil borings to depths of 60 feet and 40 feet, lab testing, and engineering analyses including allowable soil bearing values, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations. (\$6,000 (fee); 2016)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Sara E. Lockwood, E.I. Graduate Engineer</p>	
Project Assignment:	
Graduate Engineer	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
2 years with this firm (2019); 4 years total (2017)	
Education: Degree(s)/Year/Specialization:	
<p>B.S., 2019, Civil Engineering, University of New Orleans B.S., 2016, Physics, Loyola University</p>	
Active registration: Year first registered/discipline:	
2020, Engineering Intern, Louisiana, No. EI.0034718	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Ms. Lockwood recently joined Gulf South Engineering and Testing and is serving as a Graduate Engineer, providing such duties as project management, geotechnical engineering analyses, and field & laboratory testing & inspection. Her coursework included such disciplines as foundation engineering, soil mechanics, geotechnical engineering, structural concrete & structural steel design, and sustainability principals. She worked as an intern during her college career for a local consulting group, assisting on a variety of environmental studies for infrastructure projects, and preparing regulatory permit applications, as well as preparation of various components of Louisiana DEQ and NEPA documents.</p> <p>Training Facility - New Airnasium and Paved Areas, Jefferson Parish Fire Department, Bridge City, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new fire station training facility consisting of an airnasium (open-air pavilion) structure and heavy duty pavement in Bridge City, LA. Gulf South's scope includes drilling three undisturbed soil borings (b.g.s.; one at 50 ft., two at 6 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$6,000 (fee); 2020)</p> <p>Lake Cataouatche Pump Station, Avondale, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$12,500 (fee); 2019)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> <i>Society of Women Engineers</i> <i>American Society of Civil Engineers</i> </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Sarah E. Lockwood (continued)

Jefferson Parish Fire Fleet Maintenance Facility - New Paved Areas, Jefferson Parish, LA. Geotechnical engineering services for the construction of new paved areas for fire trucks at the Jefferson Parish Fleet Maintenance facility at 4901 Jefferson Highway in Jefferson, LA. Gulf South's scope includes drilling four undisturbed soil borings (b.g.s.; four at 8 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$2,800 (fee); 2019)

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

Mall of Louisiana Transmission Line Reroute (Bluebonnet Boulevard), East Baton Rouge Parish, LA. Geotechnical engineering services for the construction of a new transmission line south of the existing substation and transmission line facility within the Mall of Louisiana complex off Bluebonnet Blvd. in Baton Rouge, LA. Gulf South's scope includes drilling two undisturbed soil borings to depths of 50 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$11,000 (fee); 2019)

Juban Road Transmission Line Relocation, East Baton Rouge Parish, LA. Geotechnical engineering services for the construction of a new transmission line facility along Florida Boulevard (south side) and within 1,000 feet of the Juban Road intersection in Baton Rouge, LA. Gulf South's scope includes drilling three undisturbed soil borings to depths of 50 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$15,000 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>Ross L. White Soil Boring Driller</p> </div> </div>	
Project Assignment:	
<p>Soil Boring Driller</p>	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
<p>3 years with this firm (2018); 12 years total (2009)</p>	
Education: Degree(s)/Year/Specialization:	
<p>High School Diploma</p>	
Active registration: Year first registered/discipline:	
<p>N/A</p>	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. White provides Driller services for Gulf South, having joined the firm in 2018.</p> <p>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)</p> <p>Jefferson Parish Fire Fleet Maintenance Facility - New Paved Areas, Jefferson Parish, LA. Geotechnical engineering services for the construction of new paved areas for fire trucks at the Jefferson Parish Fleet Maintenance facility at 4901 Jefferson Highway in Jefferson, LA. Gulf South's scope includes drilling four undisturbed soil borings (b.g.s.; four at 8 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$2,800 (fee); 2019)</p> <p>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</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> ISTC basic, Entergy PowerSafe CDL A Class Driver's License (exp 11/2024) </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ross L. White (continued)

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)

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

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p style="margin: 0;">Christopher Boutwell Construction Materials Testing (CMT) Supervisor</p>	
Project Assignment:	
<p style="margin: 0;">Construction Materials Testing (CMT) Supervisor</p>	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p style="margin: 0;">ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
<p style="margin: 0;">9 years with this firm (2012); 12 years total (2009)</p>	
Education: Degree(s)/Year/Specialization:	
<p style="margin: 0;"><i>High School Diploma</i></p>	
Active registration: Year first registered/discipline:	
<p style="margin: 0;">N/A</p>	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Boutwell serves as a CMT Supervisor in Gulf South's Kenner, LA office. As a CMT Supervisor, Mr. Boutwell is responsible for scheduling technicians, technical training, resolving technical and personnel issues, equipment maintenance, preparing proposals, reviewing reports, and client interaction. Mr. Boutwell's construction monitoring experience includes nuclear density testing, concrete testing and inspection, asphalt inspection, earthwork testing and inspection, driven pile inspection, vibration monitoring, augercast pile inspection, and drilled shaft inspection. Mr. Boutwell is proficient in the following laboratory tests: soil and concrete compressive strength, moisture content, grain size sieve, organic content, Proctor compaction, lime/soil and soil/cement % determinations, density tests, and Atterberg limits.</p> <p>Mr. Boutwell has logged soil borings, performed pile load tests, floor flatness testing, anchor bolt pull out tests, obtained and secured samples from soil borings and borrow pits, and completed hand augers. Mr. Boutwell routinely operates Gulf South's pavement coring machines.</p> <p>Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2020)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> ACI Concrete Field Testing – Grade I APNGA Nuclear Moisture/Density Gauge Training OSHA Safety Training – 8 hr. </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Boutwell (continued)

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

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

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

Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction of library renovations for the Jefferson Parish library along Metairie Road in Metairie, LA. Gulf South's scope of work included field density tests, earthwork inspection, welding and steel inspection, and concrete testing and inspection. (\$15,000 (fee); 2019)

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

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

Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction for the JPDFD's New Garage in Bridge City, LA. Gulf South's scope of work included pile inspection, vibration monitoring, field density tests, earthwork inspection, welding and steel inspection, and concrete testing and inspection. (2018)

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>Jefferson Parish Department of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Works Department Reda M. Youssef, P.E., 504-736-6783 JPPW@jeffparish.net</p> <p>c/o ECM Consultants, Inc. Chris Capretto, 504-885-4080 ccapretto@ecmconsultants.com</p>	<p>Project consisted of the construction of a new warehouse for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, steel inspection, and asphalt testing and inspection.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 08 (AUG)	N/A	\$90,000 (fee)

PROJECT NO. 2		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>St. Peter's Ditch – Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Works Department Reda M. Youssef, P.E., 504-736-6783 JPPW@jeffparish.net</p> <p>c/o CB&I Gene Gillen, 504-832-4890 gene.gillen@cbi.com</p>	<p>Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 10 (OCT)	N/A	\$110,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.), Jefferson Parish, Louisiana Jefferson Parish Department of Engineering 1221 Elmwood Park Boulevard, Suite 802 Jefferson LA 70123 Ryan Breaux, P.E., 504-736-6514 rabreaux@jeffparish.net	Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	N/A	\$17,500 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Patriot Street Lift Station, Metairie, Jefferson Parish, Louisiana Jefferson Parish Public Works Department Reda M. Youssef, P.E., 504-736-6783 JPPW@jeffparish.net c/o Evans-Graves Engineers Stephen Lundgren, 504-836-8190 slundgren@evans-graves.com	Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	\$30,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Training Facility - New Airnasium and Paved Areas, Jefferson Parish Fire Department, Bridge City, Jefferson Parish, Louisiana</p> <p>Meyer Engineering Ltd. 4937 Hearst Street Suite B Metairie LA 70001</p> <p>Donovan Duffy, P.E., 504-885-9892 dduffy@meyer-e-l.com</p>	<p>Geotechnical engineering services for the construction of a new fire station training facility consisting of an airnasium (open-air pavilion) structure and heavy duty pavement in Bridge City, LA. Gulf South's scope includes drilling three undisturbed soil borings (b.g.s.; one at 50 ft., two at 6 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$6,000 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Library Department 4747 West Napoleon Avenue Metairie LA 70001</p> <p>Antoinette Scott, 504-838-1100 ascott@jefferson.lib.la.us</p>	<p>Gulf South performed field and laboratory testing during construction of library renovations for the Jefferson Parish library along Metairie Road in Metairie, LA. Gulf South's scope of work included field density tests, earthwork inspection, welding and steel inspection, and concrete testing and inspection.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 08 (AUG)	N/A	\$15,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, Louisiana</p> <p>Richard C. Lambert Consultants, LLC 900 West Causeway Approach Mandeville LA 70471</p> <p>Franz J. Zemmer, 985-727-4449 fzemmer@rclconsultants.com</p>	<p>Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 03 (MAR)	N/A	\$8,500 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, Louisiana</p> <p>Perrin & Carter, Inc. 3501 Ridgelake Drive Metairie LA 70002</p> <p>Georgia Dufresne, 504-831-7958 gdufresne@perrincarter.com</p>	<p>Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 12 (DEC)	N/A	\$10,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, Louisiana</p> <p>Meyer Engineers, Ltd. Post Office Box 763 Metairie LA 70004</p> <p>Jimmy Ray, 504-885-9892 jray@meyer-e-l.com</p>	<p>Gulf South performed field and laboratory testing during construction for the JPFD's New Garage in Bridge City, LA. Gulf South's scope of work included pile inspection, vibration monitoring, field density tests, earthwork inspection, welding and steel inspection, and concrete testing and inspection.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 03 (MAR)	N/A	\$10,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, Louisiana</p> <p>Meyer Engineers, Ltd. 4937 Hearst Street, Suite 1B Metairie LA 70001</p> <p>Michael Pourciau, 504-885-9892 mpourciau@meyer-e-l.com</p>	<p>Geotechnical investigation for a new HVAC unit and handicap ramp at Johnny Bright playground in Metairie, LA. Scope of services consisted of drilling a soil boring to 50 feet in depth, laboratory testing, and providing allowable soil bearing values and estimates of settlement.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013 12 (DEC)	N/A	\$4,500 (fee)

TEC Professional Services Questionnaire

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

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

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



INTRODUCTION

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

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

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

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

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

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

Field Investigation Services

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

Laboratory Testing Services

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

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

TEC Professional Services Questionnaire

N. continued.

Construction Materials Testing & Inspection

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

- *Fill and base compaction and density testing*
- *Vibration monitoring*
- *Pre- and post-construction inspection*
- *Concrete testing and inspection*
- *Soil testing (field and laboratory)*
- *Asphalt testing*
- *Pile (driven & augercast) and shaft installation monitoring*
- *Load tests; Earthwork/proof roll inspection*
- *Welding inspection; Steel inspection*
- *Noise monitoring*

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

PROFESSIONAL TRAINING & EXPERIENCE

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

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

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

SIZE OF FIRM & CAPACITY FOR TIMELY COMPLETION

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

PAST PERFORMANCE ON JEFFERSON PARISH PROJECTS

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

TEC Professional Services Questionnaire

N. continued.

- Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA
- Jefferson Parish Dept. of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- New Charter School, Behrman Highway, Terrytown, Jefferson Parish, LA
- Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA
- Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA
- Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA
- Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, Jefferson Parish, LA
- 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
- New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA
- New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA
- Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA
- Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA
- Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA
- Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA
- New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA
- St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA
- Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA
- Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA
- Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA
- Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA
- Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, LA
- Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA
- Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA
- St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA
- Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA
- David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA
- Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA
- New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA
- Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA
- Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA
- Taft Park Drainage Improvements, Jefferson Parish, LA
- Westwego Pump Station #1, Jefferson Parish, LA

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

TEC Professional Services Questionnaire

N. continued.

LOCATION OF THE PRINCIPAL OFFICE

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

LITIGATION

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

REFERENCES

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. We are proud that a majority of its work is from repeat clients –we complete our projects on-time and within budget.

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

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)

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)

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

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

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

INSURANCE

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

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

Signature: _____

Print Name: _____

Chad M. Poché, P.E.

Title: _____

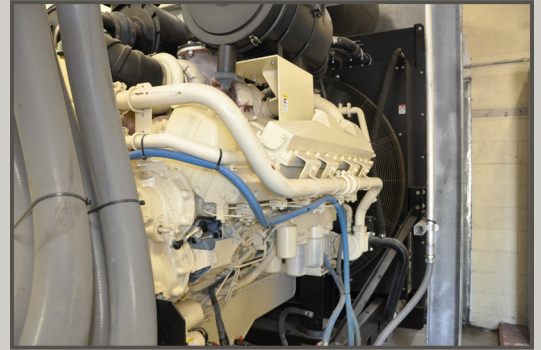
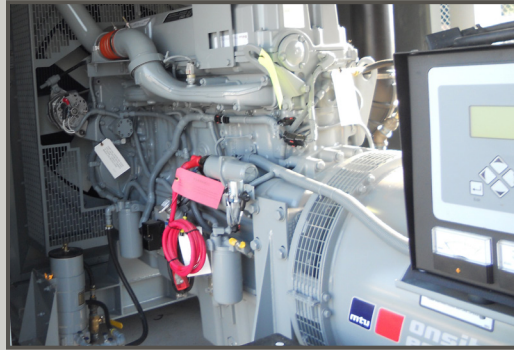
Vice President

Date: _____

April 22, 2021



Creative Engineering Group TEC Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

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

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:

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.

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

<input type="checkbox"/> 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 type="checkbox"/> 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"/> Professional Land Surveyors		<input type="checkbox"/> TOTAL

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

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

TEC Professional Services Questionnaire

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

1.

2.

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

--

Project Assignment:

--

Name of Firm with which associated:

--

Years' experience with this Firm:

--

Education: Degree(s)/Year/Specialization:

--

Active registration: Year first registered/discipline:

--

Other experience and qualifications relevant to the proposed Project:

--

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Project Assignment:	
Name of Firm with which associated:	
Years' experience with this Firm:	
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

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:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

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.

Creative Engineering Group LLC (CEG) has a qualified staff providing electrical engineering services. Previous projects include hospitals, schools, fire stations, police stations, office buildings, ball field/sports lighting, theaters and performing arts centers, storage and warehouse facilities and many more. CEG's experience includes power distribution, lighting and control, and special systems. Lighting levels can be modeled using AGI32 software. Projects are developed in either ACAD or Revit.

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

Signature:  Print Name: Ray Nolan
 Title: Owner Date: 4-26-21