



JEFFERSON PARISH

SOQ No. 22-010 Resolution 138812

Routine Engineering Services for Sewer Projects



March 25
2022



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BURK-KLEINPETER, INC.
ENGINEERING · PLANNING · ENVIRONMENTAL

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OVER 100 YEARS OF SERVICE

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March 25, 2022

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

RE: SOQ 22-010 Resolution #138812 Routine Engineering for Sewer Projects

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, LLC** is pleased to submit one electronic copy of our qualifications for the above-referenced project.

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

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

Sincerely,

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



Burk-Kleinpeter, Inc.
TEC Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ No. 22-010 Routine Engineering Services for Sewer Projects - Resolution No. 138812

B. Firm Name & Address:

BKI BURK-KLEINPETER, INC.

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

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

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

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

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

| | | |
|--------------------------------------|----------------------------------|-----------------------------------|
| <u>14</u> Administrative | <u>0</u> Estimators | <u>0</u> Specification Writers |
| <u>0</u> Architects (Licensed) | <u>0</u> Geologists | <u>4</u> Structural Engineers |
| <u>0</u> Chemical Engineers | <u>0</u> Geotechnical Engineers | <u>0</u> Graduate Engineers |
| <u>12</u> Civil Engineers | <u>0</u> Interior Designers | <u>1</u> Project Managers |
| <u>9</u> Construction Inspectors | <u>0</u> Landscape Architects | <u>0</u> Clerical |
| <u>0</u> Ecologists | <u>0</u> Land Surveyor | <u>0</u> Grant/Funding Specialist |
| <u>0</u> Electrical Engineers | <u>1</u> Mechanical Engineers | <u>0</u> Sanitary Engineers |
| <u>4</u> Engineer Intern | <u>0</u> Environmental Engineers | <u>3</u> Planners |
| <u>0</u> Professional Land Surveyors | <u>7</u> CADD/GIS | <u>1</u> Designers |
| <u>56</u> 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 JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1. N/A

2. N/A

H. Has the JOINT-VENTURE previously worked together? Please Check YES NO N/A

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

| Name & Address: | Specialty: | Worked with Firm Before (Yes or No): |
|--|------------------------|--------------------------------------|
| 1. BFM Corporation, LLC 15 Veterans Memorial Blvd. Kenner, LA 70062 | Survey | Yes |
| 2. Gulf South Engineering and Testing, Inc. 15 Veterans Memorial Blvd. Kenner, LA 70062 | Geotechnical Testing | Yes |
| 3. Creative Engineering Group, LLC 201 Highland Park Plaza Covington, LA 70433 | Electrical Engineering | Yes |

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

BKI: 9 Team: 33

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Michael D. Chopin, PE
Principal / President & CEO

Project Assignment

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

Name of Firm with which associated



Years' experience with this Firm:

30

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1991 / Civil Engineering

Active registration: Year first registered/discipline

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

Other experience and qualifications relevant to the proposed project:

Mr. Chopin is a Principal and the President and CEO at BKI. He is in charge of personnel, including schedules, staff, budgets, technical review, and account management. He has 30 years of professional engineering experience, and has provided professional consulting focused on a wide range of public works projects. He has served as Project Manager or Project Engineer on a variety of project types including sewer design and improvements, drainage studies, hydraulic models and designs, drainage improvements, levees, floodwalls, flood control projects, roadways, and site development. He is a member of the American Society of Civil Engineers and the Society of American Military Engineers.

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

TEC Professional Services Questionnaire

Mr. Chopin has worked on the following sewer projects:

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

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

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

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

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

LA 466 / 5th Street Improvements - Gretna, LA - QA/QC provided project oversight for streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue. BKI prepared both preliminary and final plans in accordance with design criteria to be developed with input from LaDOTD and the City of Gretna.

City of Gretna Downtown Drainage Improvements - Gretna, LA - Provided project oversight for the design and engineering of a layered green and grey stormwater infrastructure project within the city's downtown area. The project was part of FEMA's LASAFE program, which addresses community resiliency.

Flood and Gordon Street Improvements - New Orleans, LA - Project Manager for the preparation of plans and specifications, construction administration, and resident inspection for the reconstruction and utility upgrades (drainage, water and sewer) for approximately 4,400 linear feet of roadway.

Make it Right Streets, Lower Ninth Ward Pilot Streets Program - New Orleans, LA - Provided civil design for the complete reconstruction of four street segments including portions of North Derbigny Street, Deslonde Street, Tennessee Street, and North Prieur Street.

25th Street Canal - Gretna, LA - Provided project oversight for construction of a pavement and base course removal and reconstruction, and a pre-cast concrete flume. BKI's role began in the conceptual / planning stage, progressed to preparation of plans and specifications, and concluded with construction administration and resident inspection. The project was part of FEMA's LASAFE program, which addresses community resiliency.

Fourth Street Extension - Gretna, LA - Engineering Supervisor for an Environmental Assessment for extension of Fourth Street to provide a more direct connection to the Westbank Expressway. Prepared the preliminary plans in accordance with LADOTD Design Criteria and Road Design Manual. Provided oversight and Quality Assurance for the final plans. Provided oversight during construction for submittal reviews and answering of RFIs.

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

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
|--|
| Name & Title: |
| Henry M. Picard, III, PE, PLS <i>Senior Vice President</i> |
| Project Assignment |
| QA/QC (Minimum Requirements No. 2 & 3) |
| Name of Firm with which associated |
|  <small>ENGINEERING · PLANNING · ENVIRONMENTAL</small> |
| Years' experience with this Firm: |
| 32 |
| Education: Degree(s)/Year/Specialization: |
| Bachelor of Science / 1981 / Civil Engineering |
| Active registration: Year first registered/discipline |
| 1986 / PE Civil, State of LA / No. 22289 1994 / PLS, State of LA / No. 4736 1996 / PE Civil, State of AL / No. 20937 2000 / PE Civil, State of FL / No. 56552 |
| Other experience and qualifications relevant to the proposed project: |
| <p>Mr. Picard is a Senior Vice President at BKI with 41 years of professional engineering experience. He is in charge of project management, hydraulics, and traffic engineering, with responsibilities including schedules, staff, budgets, technical review and account management. He has provided professional consulting services as Project Manager or Project Engineer on numerous sewer design and improvements, drainage and flood control, roadway, transportation, rail, and hydraulic engineering projects. Mr. Picard holds a Bachelor of Science in Civil Engineering; is a Registered Professional Engineer in Louisiana, Alabama, and Florida; and is a Registered Professional Land Surveyor in Louisiana. He is an active member of the American Society of Civil Engineers and the Society of American Military Engineers.</p> <p><i>Mr. Picard's applicable projects are listed on the following page.</i></p> |

TEC Professional Services Questionnaire

Mr. Picard has worked on the following sewer projects:

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

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

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

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

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

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

St. Bernard Housing Complex Sanitary Sewer Inspection Services - New Orleans, LA - Supervised the project team in the areas of lead abatement, asbestos abatement, radiation licensing, environmental management of demolition projects, waste disposal, sanitary sewer video inspection, soil and groundwater investigations, environmental impact assessments and corrective action levels. Also assisted in the preparation of environmental impact assessments and conducted asbestos and lead paint survey and inspection at several buildings and housing units slated for demolition in various housing developments of HANO.

Jefferson Parish Correctional Center - Gretna, LA - Performed the project management and civil/sitework design on the project. Designed and prepared the construction documents, including plans and specifications, for the civil/sitework for the 600-bed addition to the existing center and renovation and upgrade of the existing intake and booking, medical, food service, laundry, property storage, and warehouse facilities. Sitework included paving, grading, drainage, and utility improvements including waterlines, gas lines, sewer lines, sewer lift station, and force main.

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.

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

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
|--|
| Name & Title: |
| Robert P. Furlow, PE <i>Mechanical Engineer</i> |
| Project Assignment |
| Mechanical Engineer (Minimum Requirement No. 3) |
| Name of Firm with which associated |
|  ENGINEERING · PLANNING · ENVIRONMENTAL |
| Years' experience with this Firm: |
| 1 |
| Education: Degree(s)/Year/Specialization: |
| Bachelor of Science / 2003 / Mechanical Engineering |
| Active registration: Year first registered/discipline |
| 2011 / PE Mechanical, State of LA / No. 35966 |
| Other experience and qualifications relevant to the proposed project: |
| <p>Mr. Furlow is a professional mechanical engineer at BKI. His prior experience includes work in the oil, gas and petrochemical industries as a consultant and in operations. He has extensive experience in piping and facility design which includes pipe stress analysis and hydraulics; pipeline engineering; project management; developing piping, equipment & 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

Mr. Furlow has worked on the following sewer projects:

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

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

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

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

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

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

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

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

Plant Hammond - 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: |
| Daniel S. Caluda, Jr. <i>Associate, Mechanical Designer</i> |
| Project Assignment |
| Mechanical Design |
| Name of Firm with which associated |
|  |
| Years' experience with this Firm: |
| 35 |
| 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 over 40 years of experience and holds a Bachelor of Science in Petroleum Engineering from Louisiana State University in Baton Rouge. Mr. Caluda's professional experience includes 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> |

Mr. Caluda has worked on the following sewer 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.

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

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

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

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

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

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

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

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.

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.

TEC Professional Services Questionnaire

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| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
| Name & Title: |
| René A. Chopin, III, PE <i>Senior Vice President / Chief Engineer</i> |
| Project Assignment |
| Structural Engineer (Minimum Requirements No. 2 & 3) |
| Name of Firm with which associated |
|  |
| Years' experience with this Firm: |
| 33 |
| Education: Degree(s)/Year/Specialization: |
| Bachelor of Science / 1988 / Civil Engineering |
| Active registration: Year first registered/discipline |
| 1993 / PE Civil, State of LA / No. 25174 2005/ Certified Structural Engineer, State of LA / No. 1774-1105 |
| 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

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.

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

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

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

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.

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.

Peters Road Bridge and Extension (Phases II and III) - Plaquemines and Jefferson Parishes, LA - Project Manager for the preparation of plans and specifications for the design of a new fixed, high level bridge across the intracoastal waterway (AASHTO LRFD Design). Project also includes four miles of new approach roadways and reconfiguring the Peters Road/Engineers Road Interchange. Mentored others in roadway geometric design. Prepared Hammerhead Pier design calculations and details for younger engineers to follow design method.

Causeway Blvd. Widening (Airline Drive to West Napoleon Avenue) (PW No. 2017-010-RBP) - Metairie, LA - Project Principal is providing oversight of traffic engineering and drainage design for the widening of Causeway Boulevard from Airline Drive to West Napoleon Avenue. The project includes widening an existing four lane divided roadway to a six-lane divided roadway, traffic signal upgrades, and drainage improvements along a one mile urban arterial. Drainage design and drainage plan sheets will be developed by BKI. Drainage improvements are subsurface with tie-ins at the existing West Napoleon Avenue box culverts.

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

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.

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 |
|  |
| Years' experience with this Firm: |
| 8 |
| Education: Degree(s)/Year/Specialization: |
| Bachelor of Science / 2013 / Civil Engineering |
| Active registration: Year first registered/discipline |
| 2017 / PE Civil, State of LA / No. 41841 2017 / PE Civil, State of MS / No. 28568 2017 / PE Civil, 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 served ACI Louisiana as a past president (2019).</p> <p><i>Ms. Chopin's applicable projects are listed on the following page.</i></p> |

Ms. Chopin has worked on the following sewer projects:

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

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

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

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

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

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

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

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

Hamilton Street Bridge Inspection - Larose, LA - Inspected a 55-year old timber bridge across the Forty Arpent Canal. No as-built plans were available, so all members were field measured for size along with their condition. Determined load rating of the bridge in accordance with LADOTD BDEM and the AASHTO Manual for bridge evaluation.

Jack Warner Parkway Extension to Martin Luther King, Jr. Boulevard - Tuscaloosa, AL - Provided bridge design for a project to widen and relocate an existing 1.5 mile roadway. The project also included the modification of a historic train trestle in the City. When the trestle was originally constructed in 1898, it was considered to be the longest trestle in the country.

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

Mr. Chopin has worked on the following sewer projects:

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

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

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

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

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

Causeway Blvd. Widening (Airline Drive to West Napoleon Avenue) (PW No. 2017-010-RBP) - Metairie, LA - Responsible for quality control of the drainage design and drainage plans. BKI's responsibilities will include a traffic study, signal plans, construction sequencing, and drainage design for widening Causeway Boulevard.

Earhart Expressway - Causeway Boulevard Interchange (SPN H.002861)- Jefferson Parish, LA - Provided civil engineering services for the design of a new interchange between Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046). Mr. Chopin analyzed the existing drainage network and designed the drainage for the new interchange, in accordance with LADOTD's Hydraulic Manual.

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

Oak Park Flood Mitigation Project - New Orleans, LA - Provided civil engineering for the preparation of a hydrologic and hydraulic study. The hydrologic analysis evaluated the quantity of rainfall runoff for 10-year and 100-year storm events.

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

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT: |
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| Name & Title: |
| Bailee L. Hurm, EI <i>Engineering Intern</i> |
| Project Assignment |
| Structural Engineer Intern |
| Name of Firm with which associated |
|  ENGINEERING · PLANNING · ENVIRONMENTAL |
| Years' experience with this Firm: |
| 2 |
| Education: Degree(s)/Year/Specialization: |
| Bachelor of Science / 2019 / Civil and Environmental Engineering |
| Active registration: Year first registered/discipline |
| 2020 / EI Civil, State of LA / No. 34435 |
| Other experience and qualifications relevant to the proposed project: |
| <p>Ms. Hurm is a Civil and Environmental Engineering graduate of the University of New Orleans (UNO). She is proficient in AutoCAD Civil 3D (2018) MicroStation V8. She is currently an active member of the American Society of Civil Engineers and the American Concrete Institute. The ASCE New Orleans Branch awarded Ms. Hurm the Distinguished Civil Engineer award in Spring 2019. Her previous work experience includes as an UNO engineering tutor to college students and as an engineering intern at Gaea Consultants, LLC, and Keystone Engineering, Inc.</p> <p><i>Ms. Hurm's applicable projects are listed on the following page.</i></p> |

TEC Professional Services Questionnaire

Ms. Hurm has worked on the following projects:

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

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

Plaquemines Parish Sheriff's Shooting Range Electrical Platform - Plaquemines Parish, LA – Designed a platform to be structurally sound against dead loads from electrical equipment as well as wind loads and live loads using a combination of STAAD and hand calculations. Designed all bolted connections.

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

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

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

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

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

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

Ms. Poole has worked on the following projects:

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

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

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

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

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

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

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

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

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 Rosethorne Sewage Treatment Plant <i>Lafitte, LA</i></p> <p>Michael Lockwood MSPH Jefferson Department of Sewerage 1221 Elmwood Park Boulevard Harahan, LA 70123 (985) 386-6661</p> | <p>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.</p> | |
| <p>Completion Date (Actual or estimated):</p> <p>12/2022 (Est.)</p> | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | <p>\$9,783,959 (construction)</p> | <p>\$9,783,959 (construction)</p> |
| PROJECT NO. 2 | | |
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>Marrero WWTP Headworks <i>Marrero, LA</i></p> <p>Michael Lockwood MSPH Jefferson Department of Sewerage 1221 Elmwood Park Boulevard, Harahan, LA 70123 (504) 736-6661</p> | <p>Burk-Kleinpeter, Inc., designed the improvements to the headworks at the Marrero WWTP located on the west bank of Jefferson Parish. 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 and repairs of equipment for loading of processed sludge and trash screen debris into trucks. Extensive evaluation of fine screen hydraulic capabilities were evaluated in order to prevent sewer overflow from occurring in front of the screens, a major problem with the previous installation. In addition to the equipment upgrades, extensive electrical work was included in the project, along with HVAC improvements to reduce corrosion potential of electrical equipment. The existing electrical room located on the first floor of the headworks building was relocated to a separate stand-alone electrical building designed to withstand a Class 3 hurricane and to be above the 100-year flood elevation.</p> <p>Work included civil, structural, mechanical, HVAC, and electrical design. BKI is providing design engineering on the civil, mechanical, HVAC and electrical portions of the work and acted as the prime consultant in coordinating with Jefferson Parish. Principal Engineering was responsible for structural engineering design. The project team provided complete construction documents for the project and provided construction administration services. The construction cost for this project is approximately \$3.4 million.</p> | |
| <p>Completion Date (Actual or estimated):</p> <p>N/A</p> | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | <p>\$4,054,659 (construction)</p> | <p>\$3,479,916 (construction)</p> |

TEC Professional Services Questionnaire

| PROJECT NO. 3 | | |
|---|---|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| JCUA Gautier WWTP Improvements <i>Jackson County, MS</i> Chase Gibson Jackson County Commission PO Box 998 Pascagoula, MS 39568 (228) 769-3378 | BKI was selected by the JCUA to prepare plans and specifications for the repairs to Clarifiers No. 1 and No. 2 at the Gautier WWTP. Each of the clarifiers is 60' in diameter. The design included the removal and replacement of the mechanical equipment in each clarifier, the replacement of the existing scum pump and the replacement of the RAS/WAS pumps. Other work included is the modification of the existing piping from the RAS/WAS pumps in order to simplify the number of pipes and connections. Work also includes installation of new control panels for the clarifier mechanisms and RAS/WAS pumps and the scum pump. BKI will is also responsible for assisting the JCUA in the bidding process and providing construction administration and inspection services. The total construction cost of the project is approximately \$1,000,725. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | \$1,000,725 | \$1,000,725 |
| 07/2022 (Est.) | | |
| PROJECT NO. 4 | | |
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| New Orleans Sewerage and Water Board Sewer Repairs Program Management <i>New Orleans, LA</i> Kevin Braxton New Orleans Sewerage and Water Board 625 St. Joseph Street New Orleans, LA 70165 (504) 865-0663 | Burk-Kleinpeter, Inc. was selected to provide program management and construction management services to the Sewerage and Water Board of New Orleans (S&WB) for repairs to 85 sewer lift stations damaged during Hurricane Katrina. Ten separate design teams were assigned to prepare design documents under the review of BKI. Services included project management of the design teams, construction administration, inspection, contract documents, document control, and FEMA funding. Construction management included holding pre-construction conferences for each construction contract, reviewing responses to shop drawing submittals and RFIs by the design teams, providing full-time resident inspectors to observe construction, reviewing contractor's schedules, processing claims for change orders, and handling final project closeout of each construction contract under the program. | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | \$69,000,000 (construction) | \$3,992,143 (fees) |
| 12/2014 | | |

TEC Professional Services Questionnaire

| PROJECT NO. 5 | | |
|---|---|--|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>39th Street Sanitary Sewer Improvement Project <i>Shreveport, LA</i></p> <p>Josh Norris City of Tuscaloosa Infrastructure & Public Services 2201 University Blvd. Tuscaloosa, AL 35401 (205) 248-5386</p> | <p>BKI was contracted by the City of Tuscaloosa to design the upgrades of sanitary sewer mains in the 39th Street area. The project includes the installation of 10,100 linear feet of 8 inch PVC sanitary sewer main, 4,000 linear feet of 4 inch PVC service laterals, 155 service wyes, 80 linear feet of bored 16" steel encasement pipe and 375 vertical feet of sanitary sewer manhole. The project also includes repaving and re-striping of 18,000 square yards of affected streets throughout the project area. BKI services include design, bid phase, construction administration, and construction engineering and inspection.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | 04/2020 (Actual) | <p>\$2,340,672 (Est. construction) \$339,500 (fee)</p> |
| | \$296,250 (fee) | |
| PROJECT NO. 6 | | |
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>Kenner Lift Station Vintage at Medoc <i>Kenner, LA</i></p> <p>Tom Schreiner City of Kenner 1610 Rev. Richard Wilson Dr. Kenner, LA 70062 (504) 468-7515</p> | <p>BKI was selected by the City of Kenner to prepare plans, specifications, and estimates for a replacement of the existing sewer lift station at Vintage Dr. and Medoc St. in the City of Kenner. The project scope for the new station consisted of demolishing the existing pump house on the Vintage Drive median; installing new pumps, drive motors and controls; and replacing the concrete slab over the wet well and dry pit with a new control panel on the concrete slab.</p> <p>The existing sewer flow from the old equipment was diverted with a bypass pmp while the new pumps were installed in the dry pit. The new configuration included three (3) new 60 hp drive motors with 8" sewer pumps rated at 1,500 GPM each, manifolded into a single 12" discharge sewer force main. In addition, BKI also provided construction administration services during the construction phase of this project.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | 01/2011 (Actual) | <p>\$570,618 (construction)</p> |
| | \$570,618 (construction) | |

TEC Professional Services Questionnaire

| PROJECT NO. 7 | | |
|---|---|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>New Cardinal Street Sewer Lift Station <i>Slidell, LA</i></p> <p>Blaine Clancy, PE City of Slidell PO Box 828 Slidell, LA 70459-0828 (985) 646-4273</p> | <p>BKI provided plans and specifications for the replacement of an existing above grade pump station with a submersible, low profile pump station. The current Cardinal Street lift station will be demolished for several reasons, including aging equipment, difficulty of maintenance, and appearance. The new station will feature submersible pumps that can be pulled to grade through an access hatch in the top slab. For maintenance, isolation valves and an emergency pump out will be located above grade allowing the City to isolate the individual pumps and provide bypass. Automatic controls with wet well levels measured by floats will be in the new station. These controls and power wiring will be routed to a main control panel above the base flood elevation. Existing utilities in the neighborhood will be relocated.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | 06/2022 (Est.) | <p>\$275,490</p> <p>\$275,490</p> |
| PROJECT NO. 8 | | |
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>New Anna Street Sewer Lift Station <i>Slidell, LA</i></p> <p>Blaine Clancy, PE City of Slidell PO Box 828 Slidell, LA 70459-0828 (985) 646-4273</p> | <p>BKI provided plans and specifications to replace an existing pump station in the City's right-of-way along Anna Street. The current station is being demolished due its location behind a private residence, inaccessibility, and aging equipment. The new station will feature submersible pumps with variable frequency drives that can be pulled to grade through an access hatch in the top slab. For maintenance periods, isolation valves and an emergency pump out will be located in a valve vault to provide bypass. The pumps will be controlled automatically by wet well levels measured by float switches. These controls and power wiring will be routed to a main control panel located on a steel platform above the base flood elevation. Provisions will be in place for connecting an emergency generator. The new site will feature a privacy fence and LED lighting for safety.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | 05/2022 (Est.) | <p>\$636,211</p> <p>\$636,211</p> |

TEC Professional Services Questionnaire

| PROJECT NO. 9 | | |
|---|---|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>Jeff Parish Sewer Lift Station D-8-2 Upgrade Waggaman, LA</p> <p>Brett Todd Jefferson Parish Department of Public Works 1221 Elmwood Park Blvd., Ste. 904, Jefferson, LA 70123 (504) 736-6783</p> | <p>Burk-Kleinpeter, Inc. was selected by the Jefferson Parish Department of Public Works to design a replacement of the existing sewer lift station at Judith and Holmes on the West Bank of Jefferson Parish in the town of Waggaman to resolve a continuing problem with sewer overflows at the site of the existing station.</p> <p>BKI designed a new fiberglass wet well with two new submersible sewer pumps manifolded into a single 12" sewer force main. A new section of 12" sewer force main was also designed to extend the discharge into the next sewer lift station downstream instead of discharging into a gravity sewer manhole, and will eliminate sewer overflow during high flow conditions.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | \$1,289,000 | \$1,289,000 |
| 8/2010 (Actual) | | |
| PROJECT NO. 10 | | |
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| <p>Shreveport City Misc Sewer Design Projects Shreveport, LA</p> <p>Gary Clark Civil Design Group, LLC 223 Fannin St. Shreveport, LA 71101 (318) 674-9616</p> | <p>Burk-Kleinpeter, Inc. is part of a team selected to conduct design services on the first of five phases for the City of Shreveport Consent Decree. BKI's team is tasked with all aspects of the design process which includes preliminary design reports, survey, utility coordination, environmental assessments, and final design of each of the task orders as a part of the remediation measures plan for the approximately 1,000,000 LF of gravity sewer to be rehabbed in phase I.</p> <p>BKI assisted the design and environmental process of the assign project task orders for the City's program. The task orders included rehabilitation and replacement of approximately 200,000 LF of the City's Cedar Grove Sub-Basin. BKI developed a comprehensive environmental assessment report that outlined to potential environmental issues from various databases and state agencies. In addition, BKI assisted in the plan/profile design for the assigned task orders.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | \$4,962,990 (construction) | \$4,962,990 (construction) |
| 03/2016 (Actual) | | |

TEC Professional Services Questionnaire

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

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

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

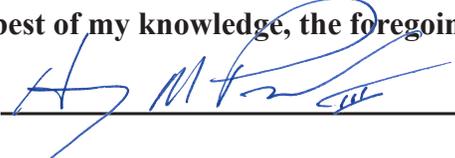


BURK-KLEINPETER, INC., (BKI) is pleased to submit our Statement of Qualifications Parish of Jefferson in response to your public notice for **SOQ 22-010 Routine Engineering Services for Sewer Projects**. Founded in 1910, BKI has become one of the leading consulting firms in the southeast region providing 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: March 25, 2022

MINIMUM REQUIREMENTS FOR SELECTION

1. One principal who is a professional engineer who shall be registered as such in Louisiana:

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

2. A professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years experience in the disciplines involved

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

3. One employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project (A sub-consultant may meet the requirement only if the advertised project involves more than one discipline.)

- Henry M. Picard, III, PE, PLS, a Senior Vice President and Civil Engineer, is a licensed, registered professional Civil Engineer in Louisiana with over 40 years' experience.
- René A. Chopin, III, PE, a Senior Vice President and Civil Engineer, is a licensed, registered professional Civil Engineer in Louisiana with over 30 years' experience.
- Robert P. Furlow, PE, a BKI Mechanical Engineer, is a Professional in Charge of Project and a licensed, registered professional mechanical engineer in Louisiana with 15 years' experience.
- 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

BKI has provided **civil, mechanical, and structural engineering** services on a wide range of projects in Jefferson Parish including **wastewater treatment plants, lift stations, drainage pump stations, roadway lighting, emergency generators, and a municipal buildings**. BKI has nurtured a working relationship with the Jefferson Parish Engineering Department as well as the various heads of the Public Works Department to provide detailed project scopes of work and to develop an engineered solution. If we are selected to provide engineering services for the Routine Engineering Services for sewer projects, 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 when applicable.**

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

BKI has completed approximately **103 sewer projects** over the years - from simple standalone projects to complex regional projects.

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

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

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

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

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

- **41 years of experience includes project management of sewer, WWTP, lift station, drainage, and public works projects**
- Wide range of project management experience includes sewer, roadway, and drainage projects
- Experience in conceptual design for sewer, drainage and roadway, traffic, rail, and port projects.
- Wide range of experience as Principal, Project Manager, or Project Engineer includes many projects in Jefferson Parish.

TEC Professional Services Questionnaire

Robert Furlow, PE - Mechanical Engineer - LA Registered Professional Electrical Engineer with 5+ Years Experience
(Minimum Requirement No. 3)

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

René A. Chopin III, PE - Chief Engineer/Structural Engineer ; LA Registered Professional Engineer
(Minimum Requirements No. 2 & 3)

- 33 years of engineering experience in 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

René A. Chopin, IV, PE - Civil Engineer

- 8 years experience in civil/hydraulic engineering
- Experience includes utilizing the DOTD HYDR 2009 program to calculate drainage flows and pipe capacities.
- Experience includes performing engineering calculations, site layout, plan and specification preparation, estimating project costs, and construction administration for various project types (roadway and drainage improvement, master drainage plans, levee and stormwater prevention and harbor improvement projects).

Rebecca J. Chopin, PE - Structural Engineer

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

Daniel S. Caluda, Jr - Mechanical Designer

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

EDUCATION AND EXPERTISE OF PROPOSED STAFF

| NAME | YEARS EXPERIENCE | EDUCATION | EXPERTISE | JEFFERSON PARISH EXPERIENCE |
|-------------------------------|------------------|--|-----------------------------------|-----------------------------|
| Michael D. Chopin, PE | 30 | BS, Civil Engineering | QA/QC, Civil Engineering | Yes |
| Henry M. Picard, III, PE, PLS | 41 | BS, Civil Engineering | QA/QC; Project Management | Yes |
| Robert P. Furlow, PE | 23 | BS, Mechanical Engineering | Professional in Charge of Project | Yes |
| Rene A. Chopin, III, PE | 33 | BS, Civil Engineering | Structural Engineer | Yes |
| Rene A. Chopin, IV, PE | 8 | BS, Civil Engineering | Civil and Hydraulic Engineer | Yes |
| Rebecca J. Chopin, PE | 7 | BS, Civil Engineering | Structural Concrete Design | Yes |
| Daniel S. Caluda, Jr. | 42 | BS, Petroleum Engineering | Mechanical Designer | Yes |
| Bailee L. Hurm, EI | 2 | BS Civil and Environmental Engineering | Structural Engineer Intern | Yes |

TEC Professional Services Questionnaire

B. Capacity for Timely Completion

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

C. Location of Principal Office Where Work will be Performed

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

D. Adversarial Legal Proceedings with Jefferson Parish

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

E. Parish Work Previously Performed and Presently Being Performed

BKI has experience with rehabilitation of sewer lines dating back to the EPA construction grants program in the 1970s and 1980s. This early work included rehabilitation projects in the upper portion of St Bernard Parish. In the intervening period BKI has worked in all areas of sewer collection and treatment from gravity sewer lines to sewer pumping stations to wastewater treatment plants including expansion of several plants in St. Bernard Parish. BKI has recently completed evaluation of one million linear feet of gravity sewer mains in Shreveport, LA. BKI determined the most efficient and cost effective means of rehabilitation or replacement of this portion of the sewer collection system. BKI will complete work on the remaining four million linear feet of the sewer collection system over the next 5 years. The following list highlights BKI's experience with verifiable references:

| PROJECT NAME | FIRM ROLE | PROJECT DESCRIPTION | CLIENT REFERENCE |
|--|------------------|--|--|
| Bridge City WWTP Process Improvements | Prime Consultant | Evaluation & Analysis Civil Engineering Mechanical Engineering Plans & Specifications Resident Inspection Construction Management | Jefferson Parish 1221 Elmwood Park Blvd., Suite 803 Jefferson, LA 70123 Brett Todd P: (504) 736-6661 Email: btodd@jeffparish.net |
| Marrero WWTP | Prime Consultant | Evaluation and Analysis Civil Engineering Mechanical Engineering Electrical Engineering HVAC Design Plans & Specifications Construction Management | MSHP Jefferson Department of Sewerage 1221 Elmwood Park Blvd., Suite 80 Jefferson, LA 70123 Michael Lockwood P: (504) 736-6783 Email: jpenvironmental@jeffparish.net |
| Rosethorne 0.5 MGD WWTP | Prime Consultant | Civil Engineering Mechanical Engineering Electrical Engineering Plans & Specifications Resident Inspection Construction Management | MSHP Jefferson Department of Sewerage 1221 Elmwood Park Blvd., Suite 80 Jefferson, LA 70123 Michael Lockwood P: (504) 736-6783 Email: jpenvironmental@jeffparish.net |

TEC Professional Services Questionnaire

| | | | |
|--|------------------|--|---|
| Kenner Lift Station Vintage at Medoc | Prime Consultant | Mechanical Engineering Plans & Specifications Cost Estimates Construction Administration | City of Kenner 1610 Rev. Richard Wilson Dr. Kenner, LA 70062 Tom Schreiner P: (504) 486-7515 Email: tschreiner@kenner.la.us |
| St. Bernard Violet Sewer Improvements | Prime Consultant | Environmental Assessments Hydraulic Engineering Bidding Construction Management Electrical Engineering | St. Bernard Parish 8201 W Judge Perez Drive Chalmette, LA 70043 Hillary Nunez P: (504) 278-4317 Email: hnunez@sbgp.net |
| JCUA Gautier WWTP Improvements | Prime Consultant | Mechanical Engineering Water/Sewer Treatment Plant Design | Jackson County Commission PO Box 998 Pascagoula, MS 39568 Brian Fulton P: (228) 769-3088 Email: brian_fulton@co.jackson.ms.us |

F. Size of Firm

BKI's entire company staff (including branch offices) consists of 56 full-time employees. Thirty-seven (37) of these employees work out of our New Orleans headquarters and **Metairie** branch office. These 37 employees are categorized as follows:

| ENGINEER | PLANNER | DESIGNER/ DRAFTER | ENGINEERING INTERN | CONSTRUCTION INSPECTOR | ADMINISTRATIVE |
|---|---------|----------------------|-----------------------|---------------------------|----------------|
| Civil: 7; Mechanical: 1; Structural: 4 | 3 | 5 | 2 | 2 | 13 |

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

G. 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.

Conclusion

In the body of this Jefferson Parish Professional Services Questionnaire, BKI has provided the information requested in your Request for Qualifications. We feel we have the manpower, expertise, and equipment to exceed your expectations for **SOQ No. 22-010 Routine Engineering Services for Sewer Projects, Resolution No. 138812.**

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

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

License/Certificate Information w/ Supervision

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

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

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

License/Certificate Information w/ Supervision

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

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

Are you a small business eligible for government contracting?

| | | |
|--------------------------------|---|---|
| 541330 Engineering Services | Small Business Size Standards \$16,500,000 annual revenue |  YES |
|--------------------------------|---|---|

| | | |
|--|---|---|
| Exception #1 Military and Aerospace Equipment and Military Weapons | Small Business Size Standards \$41,500,000 annual revenue |  YES |
|--|---|---|

| | | |
|--|---|---|
| Exception #2 Contracts and Subcontracts for Engineering Services Awarded Under the National Energy Policy Act of 1992 | Small Business Size Standards \$41,500,000 annual revenue |  YES |
|--|---|---|

| | | |
|---|---|---|
| Exception #3 Marine Engineering and Naval Architecture | Small Business Size Standards \$41,500,000 annual revenue |  YES |
|---|---|---|

Results derived from the "Measure My Business" tool at www.sba.gov/size demonstrating that Burk-Kleinpeter, Inc. is a "small" business according to the SBA standard for our industry (NAISC codes).

TEC Professional Services Questionnaire

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

Mr. Michael David Chopin

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

Status: **Active**

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

Mr. Henry Maurice Picard III

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

Status: **Active**

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

Mr. Henry Maurice Picard III

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

Status: **Active**

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

Mr. Robert P. Furlow

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

Status: **Active**

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

Mr. Rene Adrian Chopin III

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

Status: **Active**

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

Ms. Rebecca Jensen Chopin

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

Status: **Active**

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

Mr. Rene Adrian Chopin IV

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

Status: **Active**

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

Ms. Bailee Leah Hurm

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

Status: **Active**

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

Ms. Renee Poole

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

Status: **Active**

**BFM Corporation, LLC.
TEC Questionnaire**



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Sewer Projects

SOQ 22-010 | Resolution No. 138812

B. Firm Name & Address:



BFM
CORPORATION, LLC
Professional Land & Hydrographic Surveying

BFM Corporation, LLC
15 Veterans Memorial Boulevard
Kenner LA 70062

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

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

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

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

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

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

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

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

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

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

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

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

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

TEC Professional Services Questionnaire

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

1. **N/A**

2.

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

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

- Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman), Marrero, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Sewer Lift Station Upgrades (5th Avenue and 9th Street), Harvey, 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
- Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA
- Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA
- Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA
- Kennedy Heights Sewer Lift Station C9-2 (Live Oak Boulevard), Westwego, Jefferson Parish, LA
- Haring Ditch Sewer Improvements, Jefferson Parish, LA
- Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA
- Live Oak Manor Sewer Improvements, Jefferson Parish, LA
- Bucktown Harbor Sewer Upgrade Survey, Jefferson/Orleans Parishes, LA
- Sewer Force Main, Kent Avenue to Transcontinental, City of Kenner, Jefferson Parish, LA
- Sewer Force Main at the JEDCO Business Park, Jefferson, LA
- Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA
- Lift Station E3-2 (Elmwood & Citrus), Metairie, Jefferson Parish, LA
- Lift Station K-11-3, Marrero, Jefferson Parish, LA
- Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA
- Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA
- Churchill Farms Sewer Force Main, JEDCO Business Park Southeast Land District, Jefferson Parish, LA
- East Bank Sewer Treatment Plant, Jefferson Parish, LA
- Lift Station E5-4, Jefferson Parish, LA
- Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA
- West Napoleon Avenue Sewage Treatment Plant, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, 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 F7-12 (Grace King and Rockford), Metairie, Jefferson Parish, LA
- Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA
- G6-4A Sewage Treatment Plant, Jefferson Parish, LA
- Helios Sewage Treatment Plant, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Transcontinental & Wabash Sewer Treatment Plant, Jefferson Parish, LA
- Effluent Pump Station & Structures at Harvey Wastewater Treatment Plant, Jefferson Parish, LA
- Hanson City Area Force Main Improvements, Kenner, Jefferson Parish, LA

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

BFM Corporation projects overseen by Mr. Poché would include:

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

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

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

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) (\$11,710 (fee); 2019)

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

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

Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA. BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer. (\$6,620 (fee); 2017)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Field Operations Supervisor

Project Assignment:

Field Operations Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

Professional Land Surveyor Registration in process, State of Louisiana

Other experience and qualifications relevant to the proposed Project:

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

Haring Ditch Sewer Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which involved the servitude parallel and east of Haring Ditch from Quincy to the northern right-of-way of Interstate 10, then from the northern right-of-way of Interstate 10 to Kent and from Kawanee to Quincy. (\$33,908 (fee); 2010)

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA. BFM provided topographic surveying services for sewerage improvements projects on multiple roadways in Jefferson Parish, including Magnolia Court, Chetta Drive, Lisa Drive, and Power Boulevard. (\$25,101 (fee); 2012)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) (\$11,710 (fee); 2019)

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

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)

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

Live Oak Manor Sewer Improvements, Jefferson Parish, LA. BFM provided topographic surveying services. (\$19,278 (fee); 2009)

Bucktown Harbor Sewer Upgrade Survey, Jefferson/Orleans Parishes, LA. BFM provided surveying services for the project. (\$13,918 (fee); 2009)

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Registered Professional Land Surveyor; Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) (\$11,710 (fee); 2019)

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

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

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

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

Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA. The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue in Grand Isle, Louisiana. The scope of services includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area. (\$32,280 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Lemley
Quality Control Supervisor

Project Assignment:

Quality Control Supervisor

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided surveying services for the Kennedy Heights Lift Station project, located on Live Oak Boulevard, in Jefferson Parish. The project's scope of services included boundary and topographic surveying of the project site. Research included obtaining available title data and courthouse research (as needed) to obtain servitudes for utilities or pipelines adjacent to the site. Field surveying included a closed traverse around the site, noting any existing monumentation. (\$4,520 (fee); 2017)

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Thomas O. Wright
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) (\$11,710 (fee); 2019)

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

Bucktown Harbor Sewer Upgrade Survey, Jefferson/Orleans Parishes, LA. BFM provided surveying services for the project. (\$13,918 (fee); 2009)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Curtis "Jay" Barrios
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

Haring Ditch Sewer Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which involved the servitude parallel and east of Haring Ditch from Quincy to the northern right-of-way of Interstate 10, then from the northern right-of-way of Interstate 10 to Kent and from Kawanee to Quincy. (\$33,908 (fee); 2010)

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)

Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA. BFM provided topographic surveying services for sewerage improvements projects on multiple roadways in Jefferson Parish, including Magnolia Court, Chetta Drive, Lisa Drive, and Power Boulevard. (\$25,101 (fee); 2012)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Gladney
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided surveying services for the Kennedy Heights Lift Station project, located on Live Oak Boulevard, in Jefferson Parish. The project's scope of services included boundary and topographic surveying of the project site. Research included obtaining available title data and courthouse research (as needed) to obtain servitudes for utilities or pipelines adjacent to the site. Field surveying included a closed traverse around the site, noting any existing monumentation. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. (\$4,520 (fee); 2017)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jeff Patin
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

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

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

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

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:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA. BFM provided topographic surveying services for sewerage improvements projects on multiple roadways in Jefferson Parish, including Magnolia Court, Chetta Drive, Lisa Drive, and Power Boulevard. (\$25,101 (fee); 2012)

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) (\$11,710 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Shaun Clements
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) (\$11,710 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

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

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

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:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided surveying services for the Kennedy Heights Lift Station project, located on Live Oak Boulevard, in Jefferson Parish. The project's scope of services included boundary and topographic surveying of the project site. Research included obtaining available title data and courthouse research (as needed) to obtain servitudes for utilities or pipelines adjacent to the site. Field surveying included a closed traverse around the site, noting any existing monumentation. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. (\$4,520 (fee); 2017)

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

Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA. BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer. (\$6,620 (fee); 2017)

TEC Professional Services Questionnaire

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

PROJECT NO. 1

| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
|--|---|--------------------------------------|
| <p>Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, Louisiana</p> <p>Richard C Lambert, Consulting Engineers 900 W Causeway Approach Mandeville LA 70471</p> <p>Franz J. Zemmer, P.E., 985-727-4440 fzemmer@rclconsultants.com</p> | <p>BFM 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.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2021 February | N/A | \$4,140 (fee) |

PROJECT NO. 2

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

TEC Professional Services Questionnaire

| PROJECT NO. 3 | | |
|---|--|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, Louisiana</p> <p>Infinity Engineering Consultants, LLC 4001 Division Street Metairie LA 70002</p> <p>Raoul Chauvin, P.E., 504-304-0548 rchauvin@infinityec.com</p> | <p>BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2017 December | N/A | \$6,620 (fee) |

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

TEC Professional Services Questionnaire

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

| PROJECT NO. 6 | | |
|---|--|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, Louisiana</p> <p>Richard C Lambert, Consulting Engineers 900 W Causeway Approach Mandeville LA 70471</p> <p>Franz J. Zemmer, P.E., 985-727-4440 fzemmer@rclconsultants.com</p> | <p>BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found. Deliverables included hardcopy and AutoCAD DWG format files.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2021 January | N/A | \$2,970 (fee) |

TEC Professional Services Questionnaire

220325 LA JP 22-010 RES Sewer Projects BFM • 2022 March 13 (Sunday) @ 2:27:36 PM

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

| PROJECT NO. 8 | | |
|---|---|---|
| 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 October | N/A | \$22,860 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 9 | | |
|---|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, Louisiana</p> <p>Linfield, Hunter & Junius, Inc. 3608 18th Street, Suite 200 Metairie LA 70002</p> <p>Sergio Girau, 504-833-5300 lhj@lhjunius.com</p> | <p>BFM provided boundary and topographic surveys for the project, which included a force main survey involving Veterans Boulevard, between the Suburban Canal and North Hullen Street (lift station improvements). Both full and partial route surveys were executed.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 December | N/A | \$20,000 (fee) |

| PROJECT NO. 10 | | |
|--|--|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, Louisiana</p> <p>H. Davis Cole & Associates, Inc. 1340 Poydras Street Suite 1850 New Orleans LA 70112</p> <p>David Martin, P.E., 504-836-2020 dmartin@hdaviscole.com</p> | <p>BFM's surveying scope involved topographic and boundary surveying services for the project in Marrero. BFM established a baseline parallel to Ehret Road, with the beginning, end, and points of intersection referenced by three point ties to topographic features in the area. With the limits of survey established (Ehret Road, Weatherly Place, Crestridge Circle, and Broas Drive), BFM plotted the location of improvements. Visible above-ground utilities & below-ground utilities with visible surface evidence were also plotted.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2019 February | N/A | \$8,790 (fee) |

TEC Professional Services Questionnaire

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

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

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

BFM CORPORATION, LLC

Professional Land & Hydrographic Surveying

CRITERIA 1 • PROFESSIONAL TRAINING AND RELEVANT PROJECT EXPERIENCE

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

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

Our capabilities include the following and more:

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

TEC Professional Services Questionnaire

N. continued.

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

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

Our **Survey Field Crews** are equipped with Leica Viva and 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 can also use in-house drones and 3D scanners to further analyze sites and 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 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** allow us to process & model for any design purpose. High-definition scanner data is processed using software from Leica and Autodesk. BFM is working on non-traditional survey deliverables, including virtual tours, live walkthroughs, detailed pipe rack modeling, and modeling for use with Autodesk Revit Architecture.

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

CRITERIA 6 • SIZE OF FIRM

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

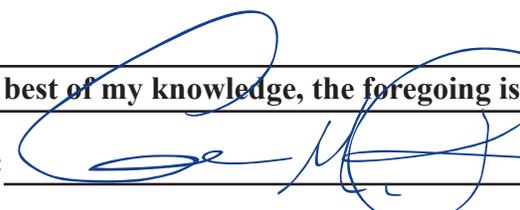
As noted in **item E of this form**, BFM currently has a **full time staff of two dozen people**, including **two Registered Professional Land Surveyors, Survey Field Crew Personnel, and AutoCAD drafting personnel**, as well as **complete administrative and support staff**.

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

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

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

Signature:  Print Name: Chad M. Poché, P.E.
Title: Executive Vice President Date: March 14, 2022

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

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

License/Certificate Information w/ Supervision

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



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

Mr. Ralph P. Fontcuberta Jr.

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

Status: **Active**



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

Mr. Chad Mitchell Poche

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

Status: **Active**



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

Mr. Gary James Lambert Jr.

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

Status: **Active**



Division of Small and Emerging Business Development
SEBD CERTIFICATION

BFM CORPORATION, LLC

is hereby certified as a Small and Emerging Business Enterprise.

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

Issued at Baton Rouge, Louisiana 7/19/2019

This certification expires on: 7/19/2029

Certification No. 9551

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



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

BFM CORPORATION, LLC

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

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

Certification No. 9551

Stephanie Hartman,
Director, Small Business Services

Gulf South Engineering and Testing, Inc.
TEC Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Sewer Projects

SOQ 22-010 | Resolution No. 138812

B. Firm Name & Address:



Gulf South Engineering and Testing, Inc.

15 Veterans Memorial Boulevard

Kenner LA 70062

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

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

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

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

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

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

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

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

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

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

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

32* 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 _____ N/A**

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.
Vice-President

Project Assignment:

Engineering Manager; Geotechnical Engineer

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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)

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

Patriot Street Lift Station, Metairie, Jefferson Parish, LA. Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Blake E. Vutera, P.E.
Engineering Manager

Project Assignment:

Geotechnical Engineer

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

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA. Geotechnical investigation for the construction of a new lift station near Melrose Lane and Walter Road in River Ridge, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

testing, and engineering analyses including net allowable soil bearing values, below ground foundation recommendations, allowable pile load capacities, estimates of settlement, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Joseph H. "Trey" Binder, III
Laboratory Manager

Project Assignment:

Laboratory Manager; Laboratory Technician

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

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

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Graduate Geotechnical Engineer/Engineering Intern

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

- Society of Women Engineers
- American Society of Civil Engineers

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)

Ole Miss Sewer Force Main, City of Kenner, LA. Geotechnical engineering services for the construction of a new sewer force main along Ole Miss Drive from the John Hopkins Lift Station to 35th Street within Kenner, LA. The force main will be 10-inches in diameter, approximately 2,100 linear feet, and installed 10 to 15

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Sarah E. Lockwood (continued)

feet deep via directional drilling. Gulf South's scope includes drilling four undisturbed soil borings to depths of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (Kenner PW-2020-2-SW) (\$8,000 (fee); ongoing)

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

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)

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

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)

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Boutwell
Construction Materials Testing (CMT) Supervisor

Project Assignment:

Construction Materials Testing (CMT) Supervisor

Name of Firm with which associated:



Years experience with this Firm:

10 years with this firm (2012); 13 years total (2009)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

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

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Boutwell (continued)

Patriot Street Lift Station, Metairie, Jefferson Parish, LA. Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

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)

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

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

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

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)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Ross L. White
Soil Boring Driller

Project Assignment:

Soil Boring Driller

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

4 years with this firm (2018); 13 years total (2009)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. White is a soil boring driller with over a decade of experience as a soil boring driller and driller's helper, and has operated truck, track, and ATV mounted drilling rigs. In addition, he has performed soil borings over water on a barge and using barge drilling equipment. Mr. White is very familiar with the soils of Louisiana and Southeast Texas.

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ross L. White (continued)

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

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

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

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

Geotechnical Engineering Desk Study (GEDS) for Haynes Boulevard Sewer Line Rehabilitation Project, New Orleans, LA. Gulf South executed a Geotechnical Engineering Desk Study (GEDS) with field survey for existing sewer drainage line improvements off Haynes Boulevard, and adjacent to U.S. Army Corps of Engineers (USACE) levees/floodwalls, in Orleans Parish, LA. Gulf South's scope includes submitting a FOIA (Freedom of Information Act) request to USACE for historical geotechnical data & analyses. Gulf South also performed engineering analysis including slope stability, heave, and seepage studies. The survey cross-section was performed by BFM Corporation, LLC. (\$15,000 (fee); 2019)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Wyatt M. Jones

Field Supervisor; Drilling and Engineering Technician

Project Assignment:

Field Supervisor; Drilling and Engineering Technician

Name of Firm with which associated:

ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

2 year with this firm (2020); 5 years total (2017)

Education: Degree(s)/Year/Specialization:

Construction Management, Delgado College (ongoing)

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Jones serves as a Field Engineer with Gulf South Engineering and Testing, providing drilling and engineering support services on a variety of projects. His experience includes soil boring logging, field and site reconnaissance, and soil & concrete material testing.

Mr. Jones' project responsibilities have included overseeing drilling operations, planning, and coordination of field tasks. He has served as a client liaison, assembled boring layout plans, and supervised drill crews onsite while classifying testable soil samples. In previous positions, Mr. Jones performed all duties of a CCRL accredited lab, including monitoring and coordinating calibrations for all lab and field equipment, performing various tests on concrete and soil specimens, recording and organizing test results. As a CCTV operator, he piloted a robotic operations system underground shooting video of sewer and utility lines; this included using sonar and GPS coordinates to pinpoint utility locations.

- Entergy PowerSafe
- OSHA Safety Training – 8 hr.

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

Ole Miss Sewer Force Main, City of Kenner, LA. Geotechnical engineering services for the construction of a new sewer force main along Ole Miss Drive from the John Hopkins Lift Station to 35th Street within Kenner, LA. The force main was 10-in in diameter, approximately 2,100 lf, and installed 10 to 15 feet deep via directional drilling. Gulf South's scope includes drilling four undisturbed soil borings to depths of 20 ft bgs, laboratory testing, engineering analyses and general construction procedures and recommendations. (Kenner PW-2020-2-SW) (\$8,000 (fee); 2021)

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

PROJECT NO. 2

| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
|---|--|---|
| <p>Patriot Street Lift Station, Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Works Department 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123</p> <p>Reda M. Youssef, P.E., 504-736-6783 JPPW@jeffparish.net</p> | <p>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.</p> | |
| 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. 3 | | |
|--|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Works Department 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123</p> <p>Reda M. Youssef, P.E., 504-736-6783 JPPW@jeffparish.net</p> | <p>Project consisted of the construction of several thousand linear feet of sewer force main for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 | N/A | \$10,000 (fee) |

| PROJECT NO. 4 | | |
|---|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Relocation of Lift Station L-12-3, Marrero, Jefferson Parish, Louisiana</p> <p>H. Davis Cole & Associates, LLC 1340 Poydras St Ste 1850 New Orleans LA 70112-5278</p> <p>David M. Martin, P.E., 504-836-2020 dmartin@hdaviscole.com</p> | <p>Construction inspection and materials testing for new lift station and sewer pipe installed at Patriot Ave. and Avenue G in Marrero, LA. Services consist of in-place fill density testing and vibration monitoring.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2012 | N/A | \$15,000 (fee) |

TEC Professional Services Questionnaire

| PROJECT NO. 5 | | |
|---|--|---|
| 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 | N/A | \$8,500 (fee) |

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

TEC Professional Services Questionnaire

| PROJECT NO. 7 | | |
|---|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Works Department 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123</p> <p>Reda M. Youssef, P.E., 504-736-6783 JPPW@jeffparish.net</p> | <p>Project consisted of the construction of a new sewer lift station and below grade piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2016 | N/A | \$10,000 (fee) |

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

TEC Professional Services Questionnaire

| PROJECT NO. 9 | | |
|--|---|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, Louisiana</p> <p>Professional Engineering & Environmental Consultants (PEEC), Inc. 1065 Muller Parkway Suite B Westwego LA 70094</p> <p>Jeff Meyers, 504-347-1900 jeff@peecinc.com</p> | <p>Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling St. in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2018 | N/A | \$7,500 (fee) |

| PROJECT NO. 10 | | |
|---|--|---|
| Project Name, Location, and Owner's Contact Information: | Nature of Firm's Responsibility: | |
| <p>New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, Louisiana</p> <p>Pivotal Engineering, LLC 1515 Poydras Street Suite 1875 New Orleans LA 70112</p> <p>Yoseph Shifare, E.I., 504-799-3653 yshifare@pivotaleng.com</p> | <p>Geotechnical investigation for construction of a new sewer lift station near the intersection of Elmwood Park Boulevard and Citrus Boulevard in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft), lab testing, and engineering analyses including net allowable soil bearing values (as appropriate), below grade foundation recommendations, allowable pile load capacities (timber), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2018 | N/A | \$7,500 (fee) |

TEC Professional Services Questionnaire

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.



CRITERIA 1 • PROFESSIONAL TRAINING AND RELATED EXPERIENCE

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

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

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

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

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

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

Field Investigation Services

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

Laboratory Testing Services

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

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

Construction Materials Testing & Inspection

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

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

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

CRITERIA 6 • SIZE OF FIRM

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

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

- *Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA*
- *New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, LA*
- *Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA*
- *N. Sibley Drainage Improvements (N. Sibley at W. Napoleon), Metairie, Jefferson Parish, LA*
- *Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA*
- *Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA*
- *Jefferson Parish Dept. of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA*
- *New Charter School, Behrman Highway, Terrytown, Jefferson Parish, LA*
- *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*

TEC Professional Services Questionnaire

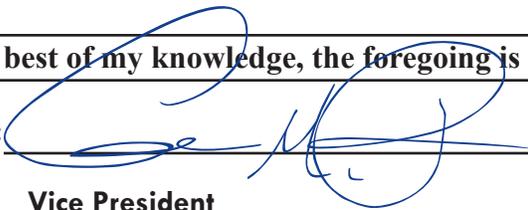
N. continued.

- 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

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

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

Signature: _____



Print Name: _____

Chad M. Poché, P.E.

Title: _____

Vice President

Date: _____

March 10, 2022

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

| | |
|--|--|
| Name: Gulf South Engineering and Testing, Inc. | Public Address: Mr. Chad Poche, PE 15 Veterans Memorial Boulevard Kenner, Louisiana 70062 |
|--|--|

License/Certificate Information w/ Supervision

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



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

Mr. Chad Mitchell Poche

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



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

Mr. Blake Elliot Vutera

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



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

Ms. Sara Elinor Lockwood

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



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

Mr. Ralph P. Fontcuberta Jr.

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



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Gulf South Engineering and Testing, Inc.

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

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

Certification No. 11011

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

Stephanie Hartman,
Director, Entrepreneurial Services





Regional Transit Authority

July 1, 2021

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

Dear Ms. Poche:

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

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

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

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

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

Sincerely,

Adonis C. Expose'
DBE/SBE Liaison Officer III

2817 Canal Street | New Orleans, Louisiana 70119 | 504-827-8300 | www.RTAforward.org



GULF SOUTH

ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants



CERTIFICATE OF ACCREDITATION



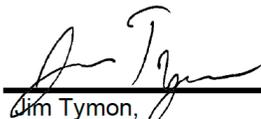
Gulf South Engineering and Testing, Inc.

in

Kenner, Louisiana, USA

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

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


Jim Tymon,
AASHTO Executive Director


Moe Jamshidi,
AASHTO COMP Chair

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



USACE CERTIFICATE
OF
LABORATORY VALIDATION



Gulf South Engineering and Testing

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

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

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

02 JUN 2020 AT 18:10 HOURS

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

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

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

SOILS

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



Creative Engineering Group, LLC
TEC Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ No. 22-010 Routine Engineering Services for Sewer Projects - Resolution No. 138812

B. Firm Name & Address:



**201 Highland Park Plaza
Covington, LA 70433**

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

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

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

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

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

| | | |
|--|--|--|
| <input checked="" type="checkbox"/> 1 Administrative | <input type="checkbox"/> Estimators | <input type="checkbox"/> Specification Writers |
| <input type="checkbox"/> Architects (Licensed) | <input type="checkbox"/> Geologists | <input type="checkbox"/> Structural Engineers |
| <input type="checkbox"/> Chemical Engineers | <input type="checkbox"/> Geotechnical Engineers | <input type="checkbox"/> Graduate Engineers |
| <input type="checkbox"/> Civil Engineers | <input type="checkbox"/> Interior Designers | <input type="checkbox"/> Project Managers |
| <input type="checkbox"/> Construction Inspectors | <input type="checkbox"/> Landscape Architects | <input type="checkbox"/> Clerical |
| <input type="checkbox"/> Ecologists | <input type="checkbox"/> Land Surveyor | <input type="checkbox"/> Grant/Funding Specialist |
| <input checked="" type="checkbox"/> 1 Electrical Engineers | <input type="checkbox"/> Mechanical Engineers | <input type="checkbox"/> Sanitary Engineers |
| <input type="checkbox"/> Engineer Intern | <input type="checkbox"/> Environmental Engineers | <input type="checkbox"/> Planners |
| <input type="checkbox"/> Professional Land Surveyors | <input checked="" type="checkbox"/> 2 CADD | <input checked="" type="checkbox"/> 1 Designers |
| | | <input checked="" type="checkbox"/> 5 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 JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1. N/A

2. N/A

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

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

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

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

 5

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment

Electrical Engineering Support

Name of Firm with which associated



Years' experience with this Firm:

>15

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline

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

Other experience and qualifications relevant to the proposed project:

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

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

TEC Professional Services Questionnaire

Mr. Nolan has worked on the following sewer projects:

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

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

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

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

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

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

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

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

Repairs to C.F. Rowley School, Repairs Dispute - Damage Evaluation - St. Bernard Parish, LA - Completed research and additional evaluation of the water damaged electrical equipment. Presented the NEMA documentation demonstrating the need for the additional repair items on the Project Worksheet and was successful in getting the items covered for repair. Reviewed scope and costs to ensure they were aligned with FEMA. CEG then completed the additional construction documents and provided construction administration services.

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

| PROJECT NO. 3 | | |
|---|--|---|
| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
| Nunez Community College Building B Hurricane Katrina Repairs <i>Chalmette, LA</i> Lachin Architects 900 Causeway Approach Mandeville, LA 7 70471 (985) 727-4440 | Creative Engineering Group, LLC performed electrical and special systems damage assessment of site following Hurricane Katrina. Coordinated with FEMA Project Worksheet to verify all damages were included for repairs. Initially, FEMA had allowed a complete replacement of the electrical and special systems due to the heavy damage. At the Design Development stage of the project a new FEMA team came in and provided a revised Project Worksheet which only allowed for repairs to flood damaged items. This did not include all electrical equipment and feeders which had exposure to flood waters. CEG researched and presented NEMA documentation for evaluating water damaged electrical equipment, and was successful in getting additional items covered. Once scope and costs were aligned with FEMA, CEG completed electrical construction documents for the repair work. Construction Administration included regular site visits to monitor the electrical installation. | |
| Completion Date (Actual or estimated): 09/2008 | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| | \$8,900,000 | \$323,000 |
| 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

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

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

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

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

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

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

(See Additional Pages)

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

Signature:  Print Name: Ray Nowl
 Title: owner Date: 3-23-2022



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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

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

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

← Cut Here

Fold Here →

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

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