

JEFFERSON PARISH
SOQ 22-013 Resolution 138809
Routine Engineering Services for Water Projects



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

CORPORATE SECRETARY
BRUCE L. BADON, AICP



BURK-KLEINPETER, INC.
ENGINEERING · PLANNING · ENVIRONMENTAL

3240 SOUTH I-10 SERVICE ROAD WEST, ROOM 300
METAIRIE, LA 70001
TELEPHONE (504) 483-6266
WWW.BKIUSA.COM

OVER 100 YEARS OF SERVICE

PRESIDENT & CEO
MICHAEL D. CHOPIN, PE

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

VICE PRESIDENTS
DAVID E. BOYD, PE
ELLEN WILMER SOLL, AICP

March 31, 2022

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

RE: SOQ No. 22-013 Resolution #138809 Routine Engineering for Water 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 Water 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,

A handwritten signature in blue ink, appearing to read "H M Picard III", is written over a faint, larger blue ink signature that appears to read "Henry M. Picard, III".

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. 22-013 Routine Engineering Services for Water Projects - Resolution No. 138809

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: 10 BFM: 12.5 Gulf South: 6.5 CEG: 1

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/President at BKL. He is in charge of personnel, including schedules, staff, budgets, technical review, and account management. He has 26 years of professional engineering experience, and has provided professional consulting focused on a wide range of public works projects. He has served as Project Principal or Project Engineer on numerous water storage, water treatment, and water distribution projects. 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 water projects:

Cheniere Water Storage Tank - *Grand Isle, LA* - Provided project QA/QC and guidance for the engineering design and construction management services for a new 1,000,000 gallon ground storage tank and duplex pump station at the Jefferson Parish Water Department's Cheniere facility in Grand Isle, LA.

Rehabilitation of the Fifth Street Water Tower - *Gretna, LA* - Project Principal provided QA/QC and oversight for the development of the engineering plans and specifications; construction cost estimates; and bidding assistance for the rehabilitation of the existing 250,000 gallon water tank located on 5th Street across from the Gretna Water Plant.

Gretna Blvd Water Tower Replacement - *Gretna, LA* - Provided oversight for the preparation of plans and specifications for replacing an elevated 500,000 gallon water tank with a new elevated 500,000 gallon potable water tank, including demolition of the existing facility, new foundation piles, elevated ellipoidal water tank, all required piping for water distribution, site improvements, perimeter fencing and electrical improvements.

St Bernard Water Treatment Plant - *St. Bernard Parish, LA* - Provided oversight for the engineering calculations and mechanical design, product and material selection, and working document production for upgrades to a 12 million gallon per day water purification plant.

Jefferson Parish West Bank Water Storage Tanks Cleansing and Recoating - *Jefferson Parish, LA* - Oversaw the preparation of the study and report for the cleansing and recoating of the interiors and exteriors of Jefferson Parish's West Bank Water Storage Tanks.

Kenner Water Study - *Kenner, LA* - Provided oversight for the feasibility study for the site identification of elevated water tower in Kenner, LA.

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.

Marvin Braud Pump Station Improvements - *Ascension Parish, LA* - Performed QA/QC and project oversight for pump station improvements and additions, which included a new station with 2,000-cubic feet per second (CFS) of pumping capacity. The new pumping station had an intake basin and concrete discharge tubes, a steel-framed superstructure, and two 1,000 CFS pumps with diesel drives and gear reducers. BKI also designed reinforced concrete floodwalls along the banks of the station discharge channel downstream from the facility.


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

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

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.

Stumpf Boulevard Drainage Improvements - *Gretna, LA* - Provided project oversight for the installation of a 72-inch drainage pipe in the Stumpf Boulevard Canal. The pipe would provide sufficient capacity to convey storm water while addressing bank erosion. Adjacent travel lanes along Stumpf Boulevard were replaced after the base failed and roadway surface settled or warped.

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
Project Manager (Minimum Requirement No. 2)
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a large, bold, blue font. To the right of 'BKI' is the company name 'BURK-KLEINPETER, INC.' in a smaller, blue, sans-serif font. Below the company name are three small icons: a triangle, a circle, and a square, each followed by the words 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL' respectively.
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. He is in charge of project management, hydraulics, and traffic engineering, including schedules, staff, budgets, technical review, and account management. He has 36 years of professional engineering experience and has served as Principal, Project Manager, or Project Engineer on numerous projects involving water, sewer, streets, roadways, intersections, transportation, and site development. Mr. Picard holds a Bachelor of Science in Civil Engineering, and is a Registered Professional Engineer in Louisiana, Alabama, and Florida. He is a Registered Professional Land Surveyor in Louisiana. He is also 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>

Mr. Picard has worked on the following water projects:

Cheniere Water Storage Tank - *Grand Isle, LA* - As Principal, provided design oversight and project management for a new 1,000,000 gallon potable water storage tank and variable frequency drive pumps. Project included phased construction and demolition of existing tanks on a very tight footprint at the site.

Rehabilitation of the Fifth Street Water Tower - *Gretna, LA* - Provided oversight to engineering plans and specifications for the rehabilitation of the existing 250,000 gallon water tank located on 5th Street.

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

Jefferson Parish West Bank Water Storage Tanks Cleansing and Recoating - *Jefferson Parish, LA* - Oversaw the preparation of the study and report for the cleansing and recoating of the interiors and exteriors of Jefferson Parish's West Bank Water Storage Tanks.

Soniat Canal Improvements Sauve Road to Midway Ditch - *Jefferson Parish, LA* - As project engineer, developed construction documents including plans and specifications for concrete lined channel improvements to an arterial canal and relocation of 36" and 42" pre-stressed concrete water lines with canal crossing.

25th Street Canal Drainage Improvements - *Gretna, LA* - Principal provided QA/QC oversight for the design of alternate stormwater runoff routing during high-intensity events. Including existing system analysis, recommended pipe sizes for alternate flow routes when the Heebe Canal stage exceeds water surface elevations, and designing improvements within 25th St. Canal to handle the additional flow to feed the proposed 25th St. drainage pump station.

Jefferson Parish Rosethorne Sewage Treatment Plant - *Lafitte, 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.

Marvin Braud Pump Station Watershed Dredging Evaluation - *Ascension Parish, LA* - Project Manager: Supervised the analysis of open channel drainage network in Ascension Parish, LA, using HEC-HMS and HEC-RAS unsteady flow model. The model was developed from and existing model prepared by the U.S. Army Corps of Engineers and calibrated to the Hurricane Rita rainfall event. After calibration of the model, the model was utilized to evaluate hydraulic effects of dredging drainage channels in the Marvin Braud PS Basin and that effect on the existing pump station capacity.

Maplewood Area Drainage - *Harvey, LA* - Provided project supervision and subconsultant coordination for the development of construction drawings and specifications for the installation of 9,100 linear feet of stormwater culverts, 33 junction boxes, 80 catch basins, and 3,500 square yards of paving.

St. John the Baptist Master Drainage Plan - *St. John the Baptist Parish, LA* - Managed the preparation of a Master Drainage Plan for a portion of the eastbank of St. John the Baptist Parish.

St. John the Baptist Master Drainage Plan - *St. John the Baptist Parish, LA* - Managed the preparation of a Master Drainage Plan for a portion of the eastbank of St. John the Baptist Parish.

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. BKI provided the plans and specifications for the design of the station slab, vault slab, and control panel support. Provisions will be in place for connecting an emergency generator.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
David E. Boyd, PE <i>Vice President/Civil Engineer</i>
Project Assignment
Civil Engineer (Minimum Requirement No. 3)
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a large, bold, blue font. To the right of 'BKI' is the company name 'BURK-KLEINPETER, INC.' in a smaller, blue, sans-serif font. Below the company name are three words: 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL', each separated by a small dot.
Years' experience with this Firm:
16
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2004 / Civil Engineering
Active registration: Year first registered/discipline
2010 / PE Civil, State of LA / No. 35510
Other experience and qualifications relevant to the proposed project:
<p>Mr. Boyd is a Vice President in BKI's Civil Engineering Division. Since 2006, Mr. Boyd has provided BKI's public and private clients with professional consulting engineering services for water, sewer, and roadway drainage projects. Mr. Boyd is also proficient in Hydrologic and Hydraulic modeling using HEC-HMS and HEC-RAS as well as SWMM software. Projects of note include several master drainage plans for various parishes; these projects involved analyzing existing conditions and future conditions as well as drainage improvements to alleviate flooding.</p> <p><i>Mr. Boyd's applicable projects are listed on the following page.</i></p>

Mr. Boyd has worked on the following water projects:

Bridge City Water Tanks Rehabilitation - *Bridge City, LA* - Providing Project Management of the construction documents to ensure accuracy in creation of bid documents for the rehabilitation to an elevated 100,000 gallon and two ground 200,000 gallon water tanks. The rehabilitation includes full exterior blast-coating; structural repairs; and painting the new Jefferson Parish logo on the exterior.

Jefferson Parish West Bank Water Storage Tanks Cleansing and Recoating - *Jefferson Parish, LA* - Project Manager for the preparation of the study and report for recoating, cleansing, and repairing structural deficiencies deemed necessary to maintain the water storage tanks in proper working order in order to continue to provide quality water service for the citizens of Jefferson Parish.

Kenner Water Study - *Kenner, LA* - Provided civil design for the feasibility study for the site identification of elevated water tower in Kenner, LA.

Maplewood Area Drainage Improvements - *Harvey, LA* - Project Engineer for the development of construction drawings and specifications for the installation of 9,100 linear feet of stormwater culverts, 33 junction boxes, 80 catch basins, and 3,500 square yards of paving. Hazard Mitigation Grant Program funds were awarded to Jefferson Parish after Hurricane Gustav, and the project would improve drainage in the Maplewood subdivision, which had historically flooded during intense rainfall events.

Gretna Downtown Drainage Improvements - *Gretna, LA* - Project Manager provided oversight, quality control, client coordination, and civil design oversight for the design and engineering of a layered green and grey stormwater infrastructure project within the downtown area. To alleviate localized stormwater flooding issues, the project used green infrastructure improvements along the public right-of-way to meet multiple demands: stormwater management, continued revitalization in the downtown area, and improved public right-of-way safety and accessibility. The project was part of FEMA's LASAFE program, which addresses community resiliency.

Marvin Braud Drainage Pump Station - *Ascension Parish, LA* - Performed hydrologic and hydraulic analysis of open channel drainage network in Ascension Parish, LA, using HEC-HMS and HEC-RAS unsteady state model to evaluate future runoff based upon projected land usages and pump station expansion requirements to drain Ascension Parish in the future.

Hancock Street Canal Improvements - *Gretna, LA* - Provided civil engineering services for design and construction administration services associated with the closure of Hancock Street Canal between Kepler Street and Virgil Street.

Breaux Ditch Improvements - *Jefferson Parish, LA* - Project Manager provided contract and client management, design oversight, and quality control for the replacement of the existing ditch with a 4'x8' reinforced concrete flume to provide improved maintenance and stability.

Stumpf Boulevard Drainage Improvements - *Gretna, LA* - City Engineer / City of Gretna liaison for the installation of a 72-inch drainage pipe in the Stumpf Boulevard Canal. The pipe would provide sufficient capacity to convey storm water while addressing bank erosion. Adjacent travel lanes along Stumpf Boulevard were replaced after the base failed and roadway surface settled or warped.

Wardline Road Drainage Improvements - *Hammond, LA* - Civil/Hydraulic Engineer performed the hydrologic and hydraulic study and prepared the report for improvements to the system to eliminate backwater flooding from a 10-year design storm. Project encompassed a topographic, drainage structure, and drainage area survey; a hydrologic and hydraulic study; and construction administration services.

Belle Chasse Area Master Drainage Plan - *Plaquemines Parish, LA* - Provided civil engineering services for the preparation of a hydrologic and hydraulic study. The Master Drainage Plan will be the basis for infrastructure programming and guidance for residential and commercial developments.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Timothy J. Koenig, PE <i>Civil Engineer</i>
Project Assignment
Civil and Hydraulic Engineering
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a large, bold, blue font. To the right of 'BKI', the words 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL' are listed in a smaller, blue, sans-serif font, separated by small dots. Above these words, the full name 'BURK-KLEINPETER, INC.' is written in a larger, bold, blue font.
Years' experience with this Firm:
17
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2004 / Civil Engineering; Bachelor of Science / 1998 / Microbiology
Active registration: Year first registered/discipline
2010 / PE Civil, State of LA / No. 35079
Other experience and qualifications relevant to the proposed project:
<p>Mr. Koenig is an Associate Civil Engineer at BKI with 19 years of experience. He holds a Bachelor of Science in Civil Engineering from the University of New Orleans. Since joining BKI in 2004, Mr. Koenig has provided professional consulting services to public and private clients throughout the Gulf South region. He has provided these services for a wide range of projects, serving as Project Engineer on numerous water; sewer; drainage; and roadway and transportation projects.</p> <p><i>Mr. Koenig's applicable projects are listed on the following page.</i></p>

Mr. Koenig has worked on the following water projects:

Bridge City Water Tanks Rehabilitation - *Bridge City, LA* - Project Engineer for creation of construction documents, cost estimates, bidding, construction administration, and inspector supervision for the rehabilitation to an elevated 100,000 gallon and two ground 200,000 gallon water tanks. The rehabilitation includes full exterior blast-coating; structural repairs; and painting the new Jefferson Parish logo on the exterior.

Jefferson Parish West Bank Water Storage Tanks Cleansing and Recoating - *Jefferson Parish, LA* - Provided civil design for the preparation of study and report for the cleansing and recoating of the interiors and exteriors of Jefferson Parish's West Bank Water Storage Tanks.

25th Street Drainage Improvements Project - *Gretna, LA* - Prepared preliminary plans that included site access plans, staging areas, roadway improvements and canal improvements.

Wardline Road Drainage Improvements - *Hammond, LA* - Civil Engineer: Provided design and plan preparation services for drainage improvements that aimed to reduce or eliminate flooding in the Wardline Road area from a moderate (10-year frequency) rainfall event. BKI's services included surveys along Wardline Road, a hydraulic and hydrologic study, road design, storm drainage, and construction administration services.

St. James Parish Master Drainage Plan, Culvert Analysis, and Design Program - *St. James Parish, LA* - Provided civil engineering services for the preparation of the Master Drainage Plan to alleviate flooding in the existing subdivisions and agricultural lands through development of better outfalls. The study was performed utilizing the HEC-HMS and HEC-RAS modeling software to determine the potential of improving the existing canals or the need for a new outfall. The Master Drainage Plan resulted in BKI's participation in an Eastbank-wide culvert analysis and design program partly funded by the LADOTD Statewide Flood Control Program and GOHSEP grants.

Master Drainage Plan / Flood Protection Project - *St. James and Ascension Parishes, LA* - Provided civil engineering services for St. James and Ascension Parishes flood protection projects which included developing levee alignments, conceptual pump station, floodgate, and pipeline crossing designs, and cost estimates.

New Cardinal Street Sewer Lift Station Upgrades - *Slidell, LA* - Prepared plans and specifications for the new Cardinal Sewer Lift Station Upgrades. Design included new concrete sidewalks, concrete pavement, new site fencing, new sewer force main, and sheet pile coffer dam.

New Anna Street Sewer Lift Station - *Slidell, LA* - Prepared plans and specifications for the new Anna St. Sewer Lift Station. Design included new concrete sidewalks, concrete pavement, new site fencing, new sewer force main, and sheet pile coffer dam.


Jefferson Parish Rosethorne Sewage Treatment Plant - *Lafitte, LA* - Civil Engineer 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.

Marvin Braud Drainage Pump Station - *Ascension Parish, LA* - Developed preliminary and final plans, specifications, and cost estimates to retrofit stop logs to the intake bays of the existing Marvin Braud Drainage Pump Station near Gonzales, LA. The stop logs will allow for each bay to be individually de-watered to perform maintenance.

West Shore Levees and Floodwalls - *St. Charles, St. John the Baptist, and St. James Parishes, LA* - Provided preliminary design services for a new multi-parish hurricane protection levee project extending from St. Charles to Ascension Parish. A feasibility study had evaluated several alternate alignments and pump station locations for the proposed levee system.

Lake Borgne Basin Levee District Pump Station No. 6 Erosion Control Design - *New Orleans, LA* - Civil Engineer provided plans, specifications, bidding assistance, and construction management for the repairs to Lake Borgne Levee District Pump Station No. 6 Erosion Control.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Robert P. Furlow, PE (Minimum Requirement No. 3) <i>Mechanical Engineer</i>
Project Assignment
Mechanical Engineer
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a bold, blue, sans-serif font. To the right of 'BKI' is the company name 'BURK-KLEINPETER, INC.' in a smaller, blue, sans-serif font. Below the company name are three horizontal lines, each followed by a service area: 'ENGINEERING', 'PLANNING', and '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 was hired by BKI in 2021 and has 8 years prior experience as a Professional Mechanical and Hydraulic Engineer with work experience in the oil, gas and petrochemical industries as well as extensive experience in piping and facility design which includes pipe stress analysis and hydraulics, pipeline engineering, and project management. Mr. Furlow's experience also includes 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. He is 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>

Mr. Furlow has worked on the following water projects:

Cheniére Water Storage Tank - *Grand Isle, LA* - Mechanical engineer for a 1,00,000 gallon ground storage tank and duplex pump station at the water department's Cheniere facility in Grand Isle.

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

Jefferson Parish Rosethorne Sewage Treatment Plant - *Lafitte, 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 RFIs 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.

Ascension Storm Surge Protection - *Ascension Parish, LA* - Providing pump storm modification plans, specifications, and cost estimates for increasing the capacity of the Sorrento Pump Station. In addition, provided hydraulic design, plans, specifications, and cost estimates for 5 floodgates along the levee alignment. Provided construction administration and closeout services for this project.

Pre-BKI Experience


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 - *Natium, 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
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a large, bold, blue font. To the right of 'BKI' is the company name 'BURK-KLEINPETER, INC.' in a smaller, blue, sans-serif font. Below the company name are three words: 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL', each separated by a small dot.
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 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 water projects:

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

Rehabilitation of the Fifth Street Water Tower - *Gretna, LA* - Provided mechanical design for the rehabilitation of the existing 250,000 gallon water tank located on 5th Street.

Gretna Blvd Water Tower Replacement - *Gretna, LA* - Provided Construction Administration for the preparation of plans and specifications for replacing an elevated 500,000 gallon water tank with a new elevated 500,000 gallon potable water tank, including demolition of the existing facility, new foundation piles, elevated ellipoidal water tank, all required piping for water distribution, site improvements, perimeter fencing and electrical improvements.

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

St Bernard Raw Water Intake Structure - *St. Bernard Parish, LA* - Provided mechanical design for the St. Bernard raw 18 MGD raw water intake pumping station.

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

East Bayou Road Waterline Engineering Design - *Belle Chasse, LA* - Project Designer provided the design of mechanical and civil elements and project management for the extension design of approximately 1,000 linear feet of a 12" waterline.

25th Street Canal Drainage Improvements Project (Resiliency District) - *Gretna, LA* - Completed the mechanical design for the alternate routing of stormwater runoff during high-intensity rain events and mitigate flooding from the Heebe Canal. Using a combination of state funding, CDBG funds & FEMA Flood Mitigation Grant Dollars Gretna was able to not only lessen runoff and required pumping capacity but also to provide recreational aesthetic amenities for the neighborhood residents.

Jefferson Parish Rosethorne Sewage Treatment Plant - *Lafitte, 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.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
René A. Chopin, III, PE <i>Senior Vice President / Chief Engineer / Structural Engineer</i>
Project Assignment
Structural Engineer (Minimum Requirement No. 3)
Name of Firm with which associated

Years' experience with this Firm:
33
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1988 / Civil Engineering
Active registration: Year first registered/discipline
1993 / PE Civil, State of LA / No. 25174
Other experience and qualifications relevant to the proposed project:
<p>Mr. Chopin is a Senior Vice President/Chief Engineer at BKI, in charge of project production, project management, and staff supervision. He has 28 years of professional engineering experience and has provided professional consulting focused on a wide range of highway, roadway, and bridge designs. He has served as Project Manager or Project Engineer on numerous water, wastewater, bridge, roadway, dock, wharf, structural, and infrastructure projects. Mr. Chopin's projects have garnered awards and commendations from the American Concrete Institute Louisiana Chapter and the National Partnership for Highway Quality. Mr. Chopin holds a Bachelor of Science in Civil Engineering, and is a Registered Professional Engineer in Louisiana, Mississippi, Alabama, Florida, and Texas. He is also a member of the American Society of Civil Engineers and the American Concrete Institute of which he is Past President of the Louisiana Chapter. Mr. Chopin attended the Traffic Control Supervisor Refresher – LA State Specific training course for the American Traffic Safety Services Association in 2019.</p> <p><i>Mr. Chopin's applicable projects are listed on the following page.</i></p>

Mr. Chopin has worked on the following applicable projects:

Rehabilitation of the Fifth Street Water Tower - *Gretna, LA* - Provided structural engineering for the rehabilitation of the existing 250,000 gallon water tank located on 5th Street.

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.

St Bernard Raw Water Intake Structure - *St. Bernard Parish, LA* - Provided structural design for the St. Bernard new 18 MGD raw water intake pumping station.

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

Jefferson Parish Rosethorne Sewage Treatment Plant - *Lafitte, 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.

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.

Causeway Blvd. Widening (Airline Drive to West Napoleon Avenue) (PW No. 2017-010-RBP) - *Metairie, LA* - Project Manager is providing 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:
Farhad H. Mogharrebi, PE <i>Structural Engineer</i>
Project Assignment
Structural Engineer
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a bold, blue, sans-serif font. To the right of 'BKI' is the company name 'BURK-KLEINPETER, INC.' in a smaller, blue, sans-serif font. Below the company name are three horizontal lines, each with a word underneath: 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL'.
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1983 / Civil Engineering
Active registration: Year first registered/discipline
1998 / PE Civil, State of LA / No. 27984
Other experience and qualifications relevant to the proposed project:
<p>Mr. Mogharrebi is a Senior Structural Engineer with over 24 years of engineering experience with a focus on USACE flood control projects, water works, pumping stations, port and airport projects as well as other civil/structural projects. A registered Professional Engineer in Louisiana since 1998, Mr. Mogharrebi received his Bachelor of Science in Civil Engineering from Louisiana State University in 1983 and is a member of the Louisiana Engineering Society.</p> <p><i>Mr. Mogharrebi's applicable projects are listed on the following page.</i></p>

Mr. Mogharrebi has worked on the following applicable projects:

25th Street Canal Drainage Improvements - *Gretna, LA* - Provided structural design services for over 2000 feet of sheet pile wall which was installed to secure the bank and allow for flap gate installation. In order to manifold the drainage system and force the runoff to the pump station over 5400 feet of new drainage pipe was installed. Green Infrastructure techniques such as Gabion retaining walls, bioswales and riparian plantings were used along the upstream portions of the 25th Street Canal to not only lessen runoff and required pumping capacity but also to provide recreational aesthetic amenities for the neighborhood residents.

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

Jefferson Parish Rosethorne Sewage Treatment Plant - *Lafitte, LA* - Provided structural engineering services including conducting ITR and making applicable revisions to structural portions of plans, specifications, and cost estimate for the final IFC package on a 0.5 MGD Wastewater Treatment Plant. Currently providing engineering support during construction to address all RFIs and related project submittals.

St. Charles Westbank Levee - *St. Charles Parish, LA* - Structural Engineer on multiple project tasks assigned under this contract such as USACE WBV-74 for decennial de-watering, inspections, and repairs requiring plans and specifications for structural inspections including fracture-critical members (sector gate including control house, needles, and bulkheads; sluice gates including stoplogs; dolphins and guidewalls structures - including timber piles); Cousins Pumping Station swing gate monolith (assisted in FEL effort and related cost estimate of structural portion of the task); and New Bayou Gauche Pumping Station (structural design of new concrete monolith and piling support mechanical barrier screens for trash and debris removal, sheet-pile retaining walls, pre-cast concrete access bridge, piling, and approach slabs).

Ascension Storm Surge Protection - *Ascension Parish, LA* - Providing structural pump station modification plans, specifications, and cost estimates for increasing the capacity of the Sorrento Pump Station. Providing structural design, plans, specifications, and cost estimates for 5 floodgates along the levee alignment. Provided construction administration and closeout services for this project.

Pre-BKI Experience

Yellow Bayou and Hanson Canal Flood Protection - *St. Mary Parish, LA* - Work included responsibility for structural design of braced sheet pile wall and a steel swing gate at Hanson Canal, including a pumping station w/ a pre-cast concrete bridge deck, accommodating standard HS-20 loading, and composed of pre-cast pre-stressed concrete piles and prefabricated concrete cap-beams & top deck-slab panels, with all such ancillary and land-side structures as: associated transition levees and all related walkways, equipment and pipe supports.

Whitney-Barataria Pump Station - *New Orleans, LA* - A U.S. Army Corps of Engineer Project; Structural Engineer, PE, responsible for structural design of a designated portion of a pumping station that accommodate for 3-132" horizontal pumps, a new T-Wall and access bridge & operating-dock designed for HS-20 loading incorporated into a monolith structure on pre-cast-pre-stressed concrete and steel pipe piles.

TEC Professional Services Questionnaire

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

Ms. Hurm has worked on the following applicable projects:

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. BKL'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 Protection 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.

Earhart Expressway - Causeway Boulevard Interchange (SPN H.002861) - *Jefferson Parish, LA* - Aided in roadway 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.

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.

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.

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.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Renee Poole, EI <i>Civil Engineer Intern</i>
Project Assignment
Civil Engineer
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>

Ms. Poole has worked on the following applicable projects:

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.

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.

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:	
Bridge City Water Storage Tank <i>Bridge City, LA</i> Sidney Basley, II Department of Water 1221 Elmwood Park Boulevard Harahan, LA 70123 (504) 655-2628	Jefferson Parish's Water Tanks were cleaned and painted roughly 20 years ago. At that time it was determined that the interiors and exteriors of the tanks need to be cleaned and re-coated to maintain storage water quality and site aesthetics. BKI worked with a coating inspection expert to generate repair-inspection reports for the 10 water tanks on the Westbank of the Parish. The first water tank complex to be selected for rehabilitation was the Bridge City Water Tanks. The facility includes an elevated 100,000 gallon water tank that requires full blast-coating on the exterior of the tank as well as structural repairs. The facility also includes two ground 200,000 gallon water tanks that require full blast-coating on the exterior of the tank as well as structural repairs. The new Jefferson Parish logo will be painted on the exterior of the elevated tank. BKI will prepare inspection reports, construction documents, bidding-advertising assistance, construction administration, resident inspection services and record drawings for the Jefferson Parish Water Department. BKI services also included obtaining the necessary permit from the Louisiana Department of Health and Hospitals prior to construction.	
Completion Date (Actual or estimated): 12/2022 (Est.)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$9,783,959 (Constr.)	\$9,783,959 (Constr.)
PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Cheniere Water Storage Tank <i>Grand Isle, LA</i> Sidney Bazley, II Department of Water 1221 Elmwood Park Boulevard Harahan, LA 70123 (504) 655-2628	The Jefferson Parish Government contracted with BKI to provide Engineering & Design and Construction Management services for a new ground water storage tank and duplex pump station at the Jefferson Parish Water Department's Cheniere facility in Grand Isle, LA. The Cheniere project included replacement of the existing booster pump system and the elevated storage tank with a new 500 gallon per minute, variable speed, vertical turbine pump system to provide fire protection water flow for the Town of Grand Isle. The booster system utilized stored water from both an existing 500,000 gallon ground water storage reservoir and the project added additional water storage with another 1,000,000 gallon capacity, which replaced the demolished elevated storage tank. The project also included re-piping the new pumping and storage system into the existing water piping while adding motor actuated valves for remote control of the entire system. Additional aspects of the project included extension of the chemical addition system to the new storage tank. Valves and chemical system will be controlled by SCADA from the Parish Water Department. Design also included pre-cast/pre-stressed concrete pilings for foundational support, a stand-alone masonry station building with a cast-in-place roof, and a generator and related components for emergency power. Plans also included demolition and removal of the existing elevated water tank at the project site. BKI also provided construction management services for the project and coordinated topographic surveying and geotechnical investigations, as well as resident inspection services.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	06/2023 (Est.)	\$5,370,000 (Est. constr.)
	\$5,370,000 (Est. constr.)	\$5,370,000 (Est. constr.)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:		Nature of Firm's Responsibility:
Rehabilitation of the Fifth Street Water Tower <i>Gretna, LA</i> Ron Johnson City of Gretna Department of Utilities 740 2nd Street Gretna, LA 70053 (504) 363-1540		The City of Gretna contracted with BKL to provide engineering plans and specifications for the rehabilitation of the existing 250,000 gallon water tank located on 5th Street across from the Gretna Water Plant. After reviewing the exterior and interior coating conditions per the water tank inspection reports conducted by third party inspectors, BKL coordinated with local paint suppliers to verify the type of repairs required based on the existing assessment report recommendations. BKL provided contract plans and technical specifications for the recommended repairs to the coating system. In addition to plans and specifications, BKL provided construction cost estimates, as well as assisted with the bidding process, conducting the pre-bid meeting, review of contractor questions, issuing addenda, reviewing bids, and ultimately making a construction contract award recommendation to the City of Gretna. Engineering services were also provided during construction, including coordinating shop drawing and submittal review; review and response to contractor RFIs; review and recommendation of pay applications; conducted periodic site inspections and issued project observation reports; and review of project closeout documents. Record drawings were compiled, reviewed, and issued were provided to the City of Gretna by BKL for their record files.
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
10/2020 (Actual)	\$510,211 (Constr.)	\$510,211 (Constr.)
PROJECT NO. 4		
Project Name, Location and Owner's contact information:		Nature of Firm's Responsibility:
Gretna Blvd Water Tower Replacement <i>Gretna, LA</i> Ron Johnson City of Gretna Department of Utilities 740 2nd Street Gretna, LA 70053 (504) 363-1540		Burk-Kleinpeter, Inc. was contracted by the City of Gretna to complete the preparation of plans, specifications, and estimates for replacing the existing elevated 500,000 gallon water storage tank with a new elevated 500,000 gallon potable water storage tank. The project included total demolition of the existing facility, new foundation piles, an elevated ellipsoidal water tank, all required piping to tie into the existing water distribution system, and site improvements including new perimeter fencing, site paving, and drainage. BKL coordinated the removal of existing cellular antennas, electrical rooms, and Gretna Police Department telecommunications with the contractor and the firms involved. The top of the new tank is 165 feet above natural ground elevation. Electrical improvements included a new wireless transmitter to transmit water pressure readings to the operations personnel at the Gretna Water Treatment Plant, and area lighting of the finished site.
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
12/2013 (Actual)	\$1,651,290 (Constr.)	\$1,651,290 (Constr.)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Bernard Water Treatment Plant <i>St. Bernard Parish, LA</i> Matthew Falati St. Bernard Parish Department of Public Works 8201 W. Judge Perez Drive Chalmette, LA 70043 (504) 278-4300	<p>St. Bernard Parish selected BKI to design a new 12 MGD water treatment plant. BKI investigated several design alternatives and selected a cost-effective treatment process, then prepared a General Design Memorandum to define the basis for engineering design, to evaluate operation and maintenance requirements, and to determine how to build a new treatment facility on the existing plant site while still operating the existing treatment plant. The plant has three up-flow clarifiers of 435,000 gallons each that provide initial solids removal for raw water from the Mississippi River. Polymer and lime are injected prior to the clarifiers to aid in coagulation. The clarified water is then sent to six rapid sand filters for final treatment - each is equipped with air-assisted cleaning to shorten the time required for backwash and to aid in resettling the filter media. A clearwell pump station was constructed to pump treated water to the existing 10 MG and 3 MG ground storage tanks and is able to provide the water required to backflush the sand filters when required during normal treatment process. A separate filter waste pump station was constructed to transfer flow from the filter backwash process to the existing backwash tank at original Plant No. 1. The pumps in this existing tank were up-sized to handle additional flow from the new plant and return collected filter sediment to the river.</p> <p>As part of the plant, BKI designed a new control/filter building which houses the pipe gallery and sand filters on the first floor, and the control building and plant offices on the second floor. A chemical building was also constructed to contain all of the chemicals processed necessary for plant operation including the chlorine room, polymer room, alum tanks and feed pumps, and the ammonia storage and feed system. Both the control/filter building and the chemical building were designed to withstand sustained winds up to 130 MPH. All of the mechanical equipment for this project is located above the base flood elevation for the plant site to minimize any future flood related damages. Existing high service pumps that supply water to the distribution system were kept in service from the existing Plants 1 and 2, which were rebuilt after Hurricane Katrina. The water plant was constructed under budget despite numerous substantial changes made at the owner's request during construction.</p>	
Completion Date (Actual or estimated): 3/2017 (Actual)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$21,842,193 (Constr.)	\$9,386,500 (Constr.)
PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St Bernard Raw Water Intake Structure <i>St. Bernard Parish, LA</i> Matthew Falati St. Bernard Parish Department of Public Works 8201 W. Judge Perez Drive Chalmette, LA 70043 (504) 278-4300	<p>BKI was selected by St. Bernard Parish to design a new raw water intake pump station to supply Mississippi River water to the Parish's Water Treatment Plant. The new pump station was located on an elevated platform on the river side of the hurricane protection levee near the existing pump station. This allowed reuse of most of the existing discharge piping. The new pump station had three 7,000 gallon per minute pumps with variable speed drives. This equipment selection enabled pumping capacity to be varied to match system demand for water. A generator was included to power the station when commercial power is not available. New chemical feed lines were also included as part of this project.</p>	
Completion Date (Actual or estimated): 10/2012 (Actual)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$4,986,000 (Constr.)	\$4,986,000 (Constr.)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Lions Water Treatment Plant Pump Station Intake Project <i>St. John the Baptist Parish, LA</i> Reed Alexander St. John the Baptist Parish 1811 W. Airline Hwy. LaPlace, LA 70068 (985) 652-9569	BKI designed and prepared all construction drawings and specifications to address deficiencies in the existing "old" raw water pump station and to provide a redundant source of water to the Lions Water Treatment Plant in St. John the Baptist Parish. The water treatment plant is fed by two raw water pump stations designated as the "old" and the "new" pump stations. During periods of low water in the river, the intake to the old pump station is too shallow to pump river water to the treatment plant. When the river is high, existing pumps are incapable of pumping the flow needed to meet demand from this pump station. In response, BKI designed a deeper 16" diameter raw water intake line to the "old" pump station, larger dry-pit submersible pumps and a new underground electrical service from the Treatment Plant to the pump station. The larger pumps required a more robust electrical source and careful piping modifications to fit the new equipment into the existing pump station. As the majority of the work will be performed on the north batture of the Mississippi River, BKI filed and received permits from the US Army Corps of Engineers, Louisiana Department of Natural Resources Office of Coastal Management and Ponchartrain Levee District and incorporated their permit requirements into the design of the pump intake piping.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	10/2021 (Actual)	\$1,241,450 (Costr.)
PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
East Bayou Road Waterline Engineering Design <i>Belle Chasse, LA</i> Ken Dugas Plaquemines Parish Government 333 F. Edward Hebert Blvd. Belle Chasse, LA 70037 (504) 934-6120	BKI was selected by Plaquemines Parish Government to design approximately 1,000 linear feet of 12" waterline. This project included all necessary valves, hydrants, connections, and fittings. The design included the installation of the 12" waterline under the Intracoastal Waterway by the use of the directional drilling method. The project was designed and constructed to provide a looped system connecting the dead end waterline on East Bayou Road with the existing waterline near Concord Road. This project resulted in better pressure to provide the necessary fire flow for the service and water quality by reducing the concerns of water quality depletion which was a previous problem.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	Ongoing	\$680,600 (Est.)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Gretna Waterline Replacement at Whitney Canal <i>Gretna, LA</i></p> <p>Ron Johnson City of Gretna Department of Utilities 740 2nd Street Gretna, LA 70053 (504) 363-1540</p>	<p>BKI prepared construction documents consisting of plans, specifications and construction cost estimate for the replacement of the existing aerial canal crossing of a 12" ductile iron pipe waterline crossing the Whitney Ave Canal at Belle Chasse Highway, assist the Owner during the bidding phase services and perform construction administration services during the construction of the project. Project limits include: Replacement of approximately 250 linear feet of existing 12" ductile iron water main along with all of the existing timber pile bent supports in the Whitney Ave. Canal at Belle Chasse Highway with new 12" ductile iron pipe and new concrete piles and concrete pile support bents in the canal. Plans and specifications shall be developed in accordance with Jefferson Parish Water Department format and criteria.</p>	
Completion Date (Actual or estimated): 05/2016 (Actual)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$126,143 (Est. constr.)	\$126,143 (Est. constr.)
PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Chlorine Scrubber at the Gretna Water Treatment Plant <i>Gretna, LA</i></p> <p>Ron Johnson City of Gretna Department of Utilities 740 2nd Street Gretna, LA 70053 (504) 363-1540</p>	<p>The City of Gretna replaced their undersized and poorly maintained wet chlorine gas removal system at their water treatment plant. The existing scrubber was removed and the chlorine storage room modified to prevent a chlorine leak. The new Scrubber design included the ability to neutralize a worst case scenario leak of one 1.5 ton cylinder of gas. The existing storage room was modified to contain the leak and allow for proper ventilation.</p> <p>BKI provided Professional Engineering and construction administration services to prepare plans and specifications for this project. The development of plans and specifications for the construction of this project were expedited by using existing drawings from the S&WB.</p>	
Completion Date (Actual or estimated): 05/2011 (Actual)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$263,594 (Constr.)	\$263,594 (Constr.)

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 22-013 Routine Engineering Services for Water 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: 03/31/2022

A. 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.

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.)

- René A. Chopin, III, PE, a Senior Vice President; Chief Engineer; 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.
- David E. Boyd, PE, a Vice President and Civil Engineer, is a registered professional civil engineer in Louisiana with over 16 years of experience.
- Robert P. Furlow, PE, a BKI Mechanical Engineer, is a licensed, registered professional mechanical engineer in Louisiana with over 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 water projects in Jefferson Parish including **water tower rehabilitation and replacement, water treatment plants, water intake systems, water storage tank rehabilitation and replacement, waterlines, water system studies and analyses**. 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 water 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 water 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 89 water 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 Requirement No. 2)*

- 41 years of experience includes project management of water; water treatment; water intake; and water storage projects
- Wide range of project management experience includes water, sewer, roadway, and drainage projects
- Experience in conceptual design for water, 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.

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

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

Rene A. Chopin III, PE - *Chief Engineer/Structural Engineer (Minimum Requirement No. 3)*

- 33 years of engineering experience in highway roadway and bridge design including Jefferson Parish Projects

TEC Professional Services Questionnaire

- Project Manager or Lead Structural Engineer on numerous roadway improvements, utility improvements, water treatment plants, and water storage
- Proficient in the following software: AutoCAD Civil 3D, AutoTurn, and InRoads software

David E. Boyd, PE - Civil Engineer - LA Registered Professional Civil Engineer with 16+ Years Experience
(Minimum Requirement No. 3)

- **18 years of experience in civil design, water lines, water storage, hydraulic and hydrologic studies and design, and utility design**
- Wide range of experience in inspecting various construction projects, both ongoing and completed, which include hydrology, flood control, drainage, utility upgrades, and water lines
- Proficient in HEC-HMS, HEC-RAS, and SWMM software

Timothy J. Koenig, PE - Civil Engineer

- **17 years of experience in civil design and utility design**
- Wide range of experience including cost estimation, construction document preparation, drainage design, street extensions, port repairs, and bidding assistance
- Proficient in the following software: HEC-HMS and HEC-RAS

Farhad H. Mogharrebi, PE - Structural Engineer

- **25 years experience in structural design with a focus on flood control, water works, pump station, and port/airport projects**

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	Project Oversight	Yes
Henry M. Picard, III, PE, PLS	41	BS, Civil Engineering	Project Management	Yes
David E. Boyd, PE	18	BS, Civil Engineering	Water Systems, Water Projects, Utility Upgrades	Yes
Robert P. Furlow, PE	17	BS, Mechanical Engineering	Mechanical Engineering, Hydraulics, Design & Analysis, Equipment Selections & Procurement	Yes
Rene A. Chopin, III, PE	33	BS, Civil Engineering	Chief Engineer, Structural Engineering, Infrastructure, Roadway, Bridge, Structural Design	Yes
Timothy J. Koenig, PE	17	BS, Civil Engineering; BS Microbiology	Civil Engineering, Pump Stations, Sewer Treatment	Yes
Farhad H. Mogharrebi, PE	25	BS, Civil Engineering	Structural Engineering Water Works, Pump Stations, Flood Control	Yes
Daniel S. Caluda, Jr.	40	BS, Petroleum Engineering	Mechanical Designer	Yes
Bailee L. Hurm, EI	2	BS, Civil and Environmental Engineering	Structural Engineer Intern	Yes
Renee Poole, EI	2	BS, Civil and Environmental Engineering	Civil Engineer Intern	Yes

TEC Professional Services Questionnaire

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 43240 South I-10 Service Road West Room 300 Metairie, LA 70001 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 worked with Jefferson Parish on dozens of past projects covering a wide range of services and fees. We have performed over 30 projects in the area of water system design, drainage system design, pump station design, drainage master planning, water treatment construction administration; six projects having to do with recreation planning and park, bike-way, and marina/waterfront design; six transportation and corridor planning and traffic and parking impact studies; and a wide variety of other projects including landscape architecture, railroad safety, and environmental services. BKI will provide a complete list of Parish work upon request. The following list highlights BKI's experience with verifiable references on the below:

PROJECT NAME	STATE PROJECT NO.	PROJECT DESCRIPTION	CLIENT REFERENCE
St Bernard Water Treatment Plant	N/A	Engineering Design Plans & Specifications Resident Inspection Construction Administration	St. Bernard Parish 8201 W Judge Perez Drive Chalmette, LA 70043 Matthew Falati p: (504) 278-4300 Email: mfalati@sbpg.net
Gretna Water Line Replacement at Whitney Canal	N/A	Plans & Specifications Construction Documents Cost Estimates Civil Engineering	City of Gretna 740 2nd Street Gretna, LA 70053 Ron Johnson p: (504) 363-1540 Email: rjohnson@gretnala.com
Shreveport Water Model	N/A	Civil Engineering Hydraulic Analysis GIS	City of Shreveport 505 Travis Street Shreveport, LA 71101 William Daniel p: (318) 673-7912 Email: william.daniel@shreveportla.gov
Lions Water Treatment Plant Pump Station Intake Project	N/A	Electrical Engineering Mechanical Engineering	St. John the Baptist Parish 1811 W. Airline Hwy. LaPlace, LA 70068 Reed Alexander p: (985) 651-6801 Email: r.alexander@stjohn-la.gov

TEC Professional Services Questionnaire

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 **10** 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 22-013 Routine Engineering Services for Water Projects, Resolution No. 138809**.

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

Name: Public Address:
P. O. Box 19087
Burk-Kleinpeter, Inc.
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, Inc.	P. O. Box 19087 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. David Edward Boyd	
License/Certificate Type - Number	Expiration Date
PE.0035510	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. Timothy James Koenig	
License/Certificate Type - Number	Expiration Date
PE.0035079	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. 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	
Mr. Farhad H. Mogharrebi	
License/Certificate Type - Number	Expiration Date
PE.0027984	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 Water Projects

SOQ 22-013 | Resolution No. 138809

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:

- *East Bank Water Treatment Plant Improvements, Jefferson Parish, LA*
- *East Jefferson Water Works - River Road, Jefferson Parish, LA*
- *East Bank Water Treatment Plant Improvements - 3D Laser Scanning Survey, Jefferson Parish, LA*
- *Lower Lafitte Waterline, Jefferson Parish, LA*
- *Lower Lafitte Waterline Stakeout, Jefferson Parish, LA*
- *Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA*
- *River Road Water Line Replacement, Jefferson Parish, LA*
- *Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA*
- *Central Avenue Project, Metairie, Jefferson Parish, LA*
- *Emergency Generator Replacement at the East Bank Treatment Plant, Jefferson Parish, LA*
- *Water Line Location Surveying, Grand Isle, Jefferson Parish, LA*
- *River Road Water Line, Waggaman, Jefferson Parish, LA*
- *Grand Isle Water Tower, Grand Isle, Jefferson Parish, LA*
- *Evans Road Waterline Repair - Mississippi River Levee Cross Section, Jefferson Parish, LA*
- *Iris Avenue Water Line Replacement, Jefferson Parish, LA*
- *West Bank Water Intake Basin Hydrographic Survey, Jefferson Parish, LA*
- *Waterline Location, Lower Lafitte Shoreline Stabilization, Jefferson Parish, LA*
- *Hydrological Survey of the East Bank Water Treatment Plant Intake Basin, Jefferson Parish, LA*
- *Fifi Island/Bayou Rigaud Water Line Location, Grand Isle, Jefferson Parish, LA*
- *DPW Proj. 2008-018-WR, Grand Isle Water Tower Site, Town of Grand Isle, Jefferson Parish, LA*
- *Canal No. 17 Bank Stabilization Phase II, Jefferson Parish, LA*
- *Channel Repair, Phase II, Construction Unit No. 3 (West Bank), Jefferson Parish, LA*
- *Channel Repair, Phase II, Construction Unit No. 2 (East Bank), Jefferson Parish, LA*
- *Grand Isle Water Main Location, Jefferson Parish, LA*
- *Water Main Installation, Live Oak Boulevard, West Bank, Jefferson Parish, LA*
- *Levee Cross Sections, Waggaman, 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)

Levee Cross Sections, Waggaman, Jefferson Parish, LA. BFM's scope of services included a cross section survey with location & inverts of water manholes & valves for the project. (\$2,845 (fee); 2018)

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM's surveying services located submerged pipes upon excavation as part of Task Order No. 3 of the project. (\$19,703 (fee); 2018)

Paillet Basin Tidal Protection Levee, Town of Jean Lafitte, Jefferson Parish, LA. BFM provided topographic and hydrographic surveying services for the project. Scope included establishing three static GPS observation points at major turns on the levee to ensure baseline is constrained to State Plane Coordinates; BFM also established a baseline along the centerline of the existing earthen levee (referenced to NAD 1983 2011). BFM set vertical control Temporary Benchmarks (TBM) which were referenced to horizontal control points (NAVD 1988 Geoid 12B). Plotted a cross section depicting the ground, edge of water, top and toe of earthen levee, and levee centerline at typical widths of 100 feet. Located visible above-ground utilities as well as underground utilities with visible surface evidence (where available, BFM obtained record drawings from relevant agencies to further plot utilities), as well as existing wall, center of pumps, and discharge pipes at the existing pump station. Trees and large shrubbery & etc. were located and described. Existing improvements (such as sheds, piers, and buildings) and trees were included in general location surveying. Deliverables included hardcopy, PDF, and AutoCAD DWG files. (\$150,000 (fee); 2018)

Lapalco Boulevard Turn Lane (Lapalco Boulevard at Baratavia Boulevard), Jefferson Parish, LA. BFM provided surveying services for the Lapalco Boulevard Turn Lane project (JPPW 2017-048-RBP), which involved a westbound left turn lane to southbound Lapalco Boulevard. BFM's scope included a Route Topographic Survey of Lapalco Boulevard at Baratavia Boulevard; the full scope plan & profile included all services, utilities, properties, elevations, cross sections, and items necessary to perform any and all engineering and construction work. The project site was subject to road closures during the survey and preliminary construction/preparation phase. (\$46,854 (fee); 2018)

Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area included the Destrehan ramp intersection, Chadwood Drive to Destrehan Avenue, and from the Destrehan ramp to Patriot Street. Surveying services further included the intersection of Destrehan Avenue to all side streets within the project area. (\$86,355 (fee); 2019)

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases included hydrographic topography of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$575,738 (fee); 2019)

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.

Central Avenue Project, Metairie, Jefferson Parish, LA. BFM provided topographic surveying services for the Central Avenue project, which extended from Airline Highway to Karen Drive. This included location of utilities, notably the municipal water line. (\$14,580 (fee); 2014)

River Road Water Line, Waggaman, Jefferson Parish, LA. As requested by the Project Engineer, BFM provided water line location & general surveying services for the project, which extended from the St. Charles Parish line to Rivet Boulevard in Waggaman. (\$43,211 (fee); 2012)

Grand Isle Water Tower, Grand Isle, Jefferson Parish, LA. BFM provided as-requested amended surveying services for the project. This was an extension of DPW Proj. 2008-018-WR, executed in 2009, for additional project work. (\$8,753 (fee); 2012)

Water Line Location Surveying, Grand Isle, Jefferson Parish, LA. BFM located a 16-inch water line at Camp Club in Grand Isle, Louisiana. (\$1,701 (fee); 2012)

West Bank Water Intake Basin Hydrographic Survey, Jefferson Parish, LA. BFM provided hydrographic surveying services for the Intake Basin at the West Bank plant. (2011)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

Fifi Island/Bayou Rigaurd Water Line Location, Grand Isle, Jefferson Parish, LA. BFM's surveying services located a 16-inch water line utility in Fifi Island and Bayou Rigaurd in Grand Isle, Louisiana. (\$3,178 (fee); 2010)

East Jefferson Water Works – River Road, Jefferson Parish, LA. BFM's surveying services for the project involved the location of existing water lines/pipes for the East Jefferson Water Works located on River Road in Jefferson Parish. (\$2,070 (fee); 2017)

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

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric surveying services for the project. (\$14,804 (fee); 2016)

Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)

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

Evans Road Waterline Repair – Mississippi River Levee Cross Section, Jefferson Parish, LA. BFM provided cross section surveying services for the Evans Road Mississippi River Levee profiles as requested by the Parish in order to obtain USACE permitting. The cross section view showed the existing levee cross section, the design levee cross section, and the proposed excavation sites. (\$4,485 (fee); 2012)

Iris Avenue Water Line Replacement, Jefferson Parish, LA. BFM provided topographic surveying services for the Iris Avenue Water Line Replacement, which included the area from River Road to Jefferson Highway. (\$18,493 (fee); 2011)

Hydrological Survey of the East Bank Water Treatment Plant Intake Basin, Jefferson Parish, LA. BFM provided hydrological surveying services for the project. (\$4,975 (fee); 2010)

Waterline Location, Lower Lafitte Shoreline Stabilization, Jefferson Parish, LA. BFM provided surveying services associated with the location of a 16 in plastic waterline in the Barataria Waterway as part of the Lower Lafitte Shoreline Stabilization project. (\$27,825 (fee); 2011)

Grand Isle Water Tower Site, Town of Grand Isle, Jefferson Parish, LA. BFM provided topographic surveying for the project. (\$6,859 (fee); 2009)

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).

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

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

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases included hydrographic topography of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$575,738 (fee); 2019)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

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

Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA. 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)

Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points. (\$7,980 (fee); 2020)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Lemley
Quality Control Supervisor

Project Assignment:

Quality Control Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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


Lower Lafitte Waterline Stakeout, Jefferson Parish, LA. BFM provided stakeout surveying for the project, staking the water line every 50 feet (with 4 ft. wooden stakes). (\$10,380 (fee); 2016)

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

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

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric surveying services for the project. (\$14,804 (fee); 2016)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Thomas O. Wright Survey Crew Chief
Project Assignment:
Survey Crew Chief
Name of Firm with which associated:
 Professional Land & Hydrographic Surveying
Years experience with this Firm:
14 years (joined BFM in 2008); 45 years total (1977)
Education: Degree(s)/Year/Specialization:
<i>High School Diploma</i>
Active registration: Year first registered/discipline:
<i>American Traffic Safety Service Assn. – Traffic Flagger/Control Technician/Control Supervisor</i> <i>Basic OSHA Training - Completed</i> <i>Transportation Work Identification Card (TWIC)</i>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Wright has over 40 years of experience in surveying services, including a multitude of project types (water, wastewater, stormwater, drainage, roadway, etc.) throughout the region.</p> <p>Lower Lafitte Waterline, Jefferson Parish, LA. BFM provided stakeout services for the Lower Lafitte Waterline project. (\$10,380 (fee); 2017)</p> <p>Grand Isle Water Tower, Grand Isle, Jefferson Parish, LA. BFM provided as-requested amended surveying services for the project. This was an extension of DPW Proj. 2008-018-WR, executed in 2009, for additional project work. (\$8,753 (fee); 2012)</p> <p>Fifi Island/Bayou Rigaurd Water Line Location, Town of Grand Isle, Jefferson Parish, LA. BFM's surveying services located a 16-inch water line utility in Fifi Island and Bayou Rigaurd in Grand Isle, Louisiana. (\$3,178 (fee); 2010)</p> <p>Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Curtis "Jay" Barrios
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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.

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric surveying services for the project. (\$14,804 (fee); 2016)

Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)

Iris Avenue Water Line Replacement, Jefferson Parish, LA. BFM provided topographic surveying services for the Iris Avenue Water Line Replacement, which included the area from River Road to Jefferson Highway. (\$18,493 (fee); 2011)

Grand Isle Water Main Location, Jefferson Parish, LA. BFM provided all surveying services associated with the location of the Grand Isle water main. (\$20,000 (fee); 2002)

Water Main Installation, Live Oak Boulevard, West Bank, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$20,000 (fee); 1998)

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:

Lower Lafitte Waterline Stakeout, Jefferson Parish, LA. BFM provided stakeout surveying for the project, staking the water line every 50 feet (with 4 ft. wooden stakes). (\$10,380 (fee); 2016)

East Jefferson Water Works – River Road, Jefferson Parish, LA. BFM's surveying services for the project involved the location of existing water lines/pipes for the East Jefferson Water Works located on River Road in Jefferson Parish. (\$2,070 (fee); 2017)

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

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM's surveying services located submerged pipes upon excavation as part of Task Order No. 3 of the project. (\$19,703 (fee); 2018)

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric surveying services for the project. (\$14,804 (fee); 2016)

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.

Town Center Water Well, City of Slidell, LA. BFM's surveying scope included topographic and boundary surveying services for the project. (\$16,533 (fee); 2019)

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases included hydrographic topography of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$575,738 (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. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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


Lower Lafitte Waterline Stakeout, Jefferson Parish, LA. BFM provided stakeout surveying for the project, staking the water line every 50 feet (with 4 ft. wooden stakes). (\$10,380 (fee); 2016)

Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM provided surveying services for Tasks 1 (topographic) and 2 (boundary) of the project, part of a major improvements project for the East Bank Water Treatment Plant in Jefferson Parish. (\$24,465 (fee); 2016)

Evans Road Waterline Repair – Mississippi River Levee Cross Section, Jefferson Parish, LA. BFM provided cross section surveying services for the Evans Road Levee profiles as requested by the Parish in order to obtain USACE permitting. The cross section view showed the existing levee cross section, the design levee cross section, and the proposed excavation sites. (\$4,485 (fee); 2012)

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:
 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:
<p>North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. BFM's project services included both boundary and topographic surveying of the project site. (\$6,870 (fee); 2019)</p> <p>Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)</p> <p>Holly Drive Drainage Project, Lewisburg Estates Subdivision, Mandeville, St. Tammany Parish, LA. BFM provided boundary with topographic surveying of the project site (multiple lots) in the Lewisburg Estates Subdivision for this drainage project. (\$13,392 (fee); 2019)</p> <p>Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area (Allo Street) extended from 4th Street to 6th Street. (\$12,855 (fee); 2019)</p> <p>West Bank Bus Stop Improvements, Jefferson Parish, LA. BFM's surveying services involved topographic surveying (25 ft grid) for multiple bus stop locations (AV26, AV27, AV3 (6 sites), AV40, AV42, AV43, AV44, AV45, AV47, AV65, AV74, AV76, HL67, MR44, MR52). (\$26,622 (fee); 2019)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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.

Town Center Water Well, City of Slidell, LA. BFM's surveying scope included topographic and boundary surveying services for the project. (\$16,533 (fee); 2019)

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases included hydrographic topography of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$575,738 (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. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:



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:

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

East Jefferson Water Works – River Road, Jefferson Parish, LA. BFM's surveying services for the project involved the location of existing water lines/pipes for the East Jefferson Water Works located on River Road in Jefferson Parish. (\$2,070 (fee); 2017)

Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)

Waterline Location, Lower Lafitte Shoreline Stabilization, Jefferson Parish, LA. BFM provided surveying services associated with the location of a 16 in plastic waterline in the Barataria Waterway as part of the Lower Lafitte Shoreline Stabilization project. (\$27,825 (fee); 2011)

Hydrological Survey of the East Bank Water Treatment Plant Intake Basin, Jefferson Parish, LA. BFM provided hydrological surveying services for the project. (\$4,975 (fee); 2010)

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:	
East Bank Water Treatment Plant Improvements Project (including Laser Scanning), Jefferson Parish, Louisiana Stantec 1340 Poydras Street, Suite 1420 New Orleans LA 70112 Jeffrey Sapia, P.E., 225-926-3991 jeffrey.sapia@stantec.com		BFM provided surveying services for Tasks 1 (topographic) and 2 (boundary) of the project, part of a major improvements project for the East Bank Water Treatment Plant located at 3600 Jefferson Highway in Jefferson Parish. This included executing a 3D Laser Scan for an As-Built Utilities survey. Draft surveying (in conjunction with the Prime Firm) as well as provision of final survey were prepared as directed.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2017 June		N/A	\$166,230 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:		Nature of Firm's Responsibility:	
River Road Water Line Replacement, Jefferson Parish, Louisiana Digital Engineering 527 W Esplanade Ave Ste 200 Kenner LA 70065 Frank T. Liang, P.E., 504-468-7515 fliang@deii.net		As directed by the Project Engineer, BFM provided topographic surveying services for the project, which extended from Rivet Boulevard to Willswood Drive. This project was part of the Louisiana Department of Health and Hospitals (LDHH) Clean Drinking Water loan program.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2015 June		N/A	\$84,700 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
East Bank Water Treatment Plant Project – Water and Utility Line Survey, Jefferson Parish, Louisiana Stantec Consulting Services, Inc. 1340 Poydras Street, Suite 1420 New Orleans LA 70112 Jeffrey Sapia, P.E., 225-926-3991 jeffrey.sapia@stantec.com	BFM's surveying services, as part of Task Order No. 3 of the project, involved BFM's location of exposed water or utility lines after said lines were excavated by another firm. Horizontal location and vertical elevation, at top of pipe, was recorded along with the pipe size and type. Field data was processed to add to the existing topographic survey, previously executed by BFM.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 October	N/A	\$19,703 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
River Road Water Line, Waggaman, Jefferson Parish, Louisiana Digital Engineering 527 W Esplanade Ave Ste 200 Kenner LA 70065 Frank T. Liang, P.E., 504-468-7515 fliang@deii.net	As requested by the Project Engineer, BFM provided water line location & general surveying services for the project, which extended from the St. Charles Parish line to Rivet Boulevard in Waggaman.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012 November	N/A	\$43,211 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, Louisiana Kyle Associates, LLC 638 Village Lane North Mandeville LA 70471 Phil O. Nelson, P.E., 985-727-9377 pnelson@kyleassociates.net	BFM provided bathymetric, boundary and topographic surveying services for the project. Improvements on the site were located, as well as visible above-ground utilities & underground utilities with visible surface evidence. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey. Bathymetric surveys were tied to the U.S. Army Corps of Engineers baseline. Deliverables included indelible prints and AutoCAD DWG format drawing files	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 July	N/A	\$14,804 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Central Avenue Project (including location of Municipal Water Line), Metairie, Jefferson Parish, Louisiana Principal Engineering 1011 N Causeway Blvd Suite 19 Mandeville LA 70471 Tyler Gaspard, E.I., 985-624-5001 tyler@principal-engineering.com	BFM provided topographic surveying services for the Central Avenue project, which extended from Airline Highway to Karen Drive. This included location of utilities, notably the municipal water line.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014 February	N/A	\$14,580 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
East Jefferson Water Works – River Road, Jefferson Parish, Louisiana Stantec 1340 Poydras Street, Suite 1420 New Orleans LA 70112 John Catalanotto, P.E., 504-234-1556 john.a.catalanotto@stantec.com	BFM's surveying services for the project involved the location of existing water lines/pipes for the East Jefferson Water Works located on River Road in Jefferson Parish.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 June	N/A	\$2,070 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lower Lafitte Waterline Project, Jefferson Parish, Louisiana CB&I 2424 Edenborn Avenue Suite 450 Metairie LA 70001 Gene S. Gillen, P.E., 504-832-4881 gene.gillen@cbi.com	BFM provided stakeout surveying for the project, staking the water line every 50 feet (with 4 ft. wooden stakes).	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 January	N/A	\$10,380 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, Louisiana Jefferson Parish Water Department 1221 Elmwood Park Blvd Ste 909 Jefferson LA 70123 R. Douglas Vincent, P.E., 504-838-4363 JPWater@jeffparish.net	BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014 August	N/A	\$133,444 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Waterline Location, Lower Lafitte Shoreline Stabilization, Jefferson Parish, Louisiana Shaw Coastal Post Office Box 98519 Baton Rouge LA 70884 Gene Gillen, P.E., 225-932-2500	BFM provided surveying services associated with the location of a 16 in plastic waterline in the Barataria Waterway as part of the Lower Lafitte Shoreline Stabilization project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2011 August	N/A	\$27,825 (fee)

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.	BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.	
2.		
3.		
4.		

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

BFM CORPORATION, LLC

Professional Land & Hydrographic Surveying

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 Water Projects

SOQ 22-013 | Resolution No. 138809

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:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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)

Central Avenue Water Main Upgrade, Phase I (Central Ave. Between Airline Hwy. & Karen Ave.), Jefferson Parish, LA. Geotechnical investigation for the reconstruction of Central Avenue and the construction of a 12-in. dia. water main along Central Avenue. Scope included drilling four soil borings in the roadway to depths of 10 & 25 ft, lab testing (strength and classification), and geotechnical engineering analyses consisting of allowable soil bearing values, bedding & backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2014)

Raw Water Intake (RWI) Structure Rehabilitation, Plaquemine, Iberville Parish, LA. Geotechnical engineering services for the construction of a replacement water pipeline and intake structure within the Intercoastal Water Way (IWW) near Highway 3066 (Bayou Road) in Iberville Parish, LA. Gulf South's scope includes drilling three undisturbed soil borings (depths of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$17,300 (fee); 2020)

Water Well (Town Center Parkway & I-10 Crossings), City of Slidell, LA. Geotechnical investigation for construction of new water system improvements near Town Center Parkway. Scope includes drilling undisturbed soil borings, lab testing, and engineering analyses including net soil bearing values, below grade and pipeline foundation recommendations, pile load capacities for compression, tension, lateral cases, estimates of settlement, passive lateral earth pressures, modulus of soil reaction, soil resistivity values, bedding and backfill recommendations, rigid and/or flexible pavement design recommendations, special local soil conditions, and general construction procedures and recommendations. (\$9,900 (fee); 2018)


Entergy Water Sampling (Old Gentilly Road Site), New Orleans, LA. Gulf South sampled water from existing pipes and water source to building to determine if any contaminants were found. Water quality was tested for copper, lead, chlorine and total organic carbon. In addition to water sampling, mold inspection was performed. (\$1,000 (fee); 2018)

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

Bayou Sauvage Water Control Pipe Replacement, U.S. Wildlife & Fisheries, New Orleans, LA. Geotechnical investigation for drainage pipe replacement at 2 sites for the U. S. Fish and Wildlife in New Orleans, LA. New drainage pipes will be 6 feet in diameter. Drill 1 boring to 20 feet in depth at each site and perform laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,500 (fee); 2012)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Blake E. Vutera, P.E. Engineering Manager
Project Assignment:
Geotechnical Engineer
Name of Firm with which associated:
<div style="display: flex; align-items: center; justify-content: center;">  <div> ENGINEERING AND TESTING, INC. <small>Geotechnical & Materials Consultants</small> </div> </div>
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:
<p>Mr. Vutera serves as Gulf South's Engineering Manager and is based in Gulf South's Kenner, LA office. His experience with the firm includes daily work on geotechnical engineering projects as well as managing all geotechnical investigations and providing assistance with laboratory testing and construction materials testing and inspection. Engineering analyses that Mr. Vutera routinely performs include: shallow and deep foundations, slope stability analyses, settlement estimates, and pavement design. He is responsible for engineering design, report preparation, proposal preparation, personnel management, project management, and client interaction.</p> <p>Mr. Vutera's field work consists of borehole logging; installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); pavement coring; nuclear field density tests; and hand augers. Mr. Vutera has been the geotechnical engineer of record for hundreds of projects throughout his career.</p> <p>Entergy Water Sampling (Old Gentilly Road Site), New Orleans, LA. Gulf South sampled water from existing pipes and water source to building to determine if any contaminants were found. Water quality was tested for copper, lead, chlorine and total organic carbon. In addition to water sampling, mold inspection was performed. (\$1,000 (fee); 2018)</p>

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

Raw Water Intake (RWI) Structure Rehabilitation, Plaquemine, Iberville Parish, LA. Geotechnical engineering services for the construction of a replacement water pipeline and intake structure within the Intercoastal Water Way (IWW) near Highway 3066 (Bayou Road) in Iberville Parish, LA. Gulf South's scope includes drilling three undisturbed soil borings (depths of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$17,300 (fee); 2020)

Bayou Sauvage Water Control Pipe Replacement, U.S. Wildlife & Fisheries, New Orleans, LA. Geotechnical investigation for drainage pipe replacement at 2 sites for the U. S. Fish and Wildlife in New Orleans, LA. New drainage pipes will be 6 feet in diameter. Drill 1 boring to 20 feet in depth at each site and perform laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,500 (fee); 2012)


Water Well (Town Center Parkway & I-10 Crossings), City of Slidell, LA. Geotechnical investigation for construction of new water system improvements near Town Center Parkway in Slidell, LA. Gulf South's scope includes drilling undisturbed soil borings (three at 50 ft.; one at 15 ft.), laboratory testing, and engineering analyses including net soil bearing values, below grade and pipeline foundation recommendations, pile load capacities for compression, tension, lateral cases, estimates of settlement, passive lateral earth pressures, modulus of soil reaction, soil resistivity values, bedding and backfill recommendations, rigid and/or flexible pavement design recommendations, special local soil conditions, and general construction procedures and recommendations. (\$9,900 (fee); 2018)

Soniat Canal Stabilization, Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of the stabilization of the east bank of Soniat Canal (approx. 1,700 lf). Scope included drilling three undisturbed soil borings to depths of 50 ft. bgs, laboratory testing, engineering analyses (slope stability analysis) and general construction procedures and recommendations. (\$10,000 (fee); 2020)

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Joseph H. “Trey” Binder, III Laboratory Manager	
Project Assignment:	
Laboratory Manager; Laboratory Technician	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. <small>Geotechnical & Materials Consultants</small> </div> </div>	
Years experience with this Firm:	
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:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Binder has direct experience with field and laboratory testing services, and is NICET certified in multiple disciplines, including Construction Materials Testing Soils, Geotechnical Engineering Technologies Exploration, and Geotechnical Engineering Technologies Laboratory (Level I). Mr. Binder has HAZMAT Awareness and Operations Training.</p> <p>Mr. Binder’s field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.</p> <p>Water Well (Town Center Parkway & I-10 Crossings), City of Slidell, LA. Geotechnical investigation for construction of new water system improvements near Town Center Parkway in Slidell, LA. Gulf South’s scope includes drilling undisturbed soil borings (three at 50 ft.; one at 15 ft.), laboratory testing, and engineering analyses including net soil bearing values, below grade and pipeline foundation recommendations, pile load capacities for compression, tension, lateral cases, estimates of settlement, passive lateral earth pressures, modulus of soil reaction, soil resistivity values, bedding and backfill recommendations, rigid and/or flexible pavement design recommendations, special local soil conditions, and general construction procedures and recommendations. (\$9,900 (fee); 2018)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 10px; margin-left: 10px;"> <ul style="list-style-type: none"> HAZMAT Awareness HAZMAT Operations Training ACI Aggregate Base Testing Technician </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

Raw Water Intake (RWI) Structure Rehabilitation, Plaquemine, Iberville Parish, LA. Geotechnical engineering services for the construction of a replacement water pipeline and intake structure within the Intercoastal Water Way (IWW) near Highway 3066 (Bayou Road) in Iberville Parish, LA. Gulf South's scope includes drilling three undisturbed soil borings (depths of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$17,300 (fee); 2020)

NASA Michoud Assembly Facility – Soil Borings and CPT Probes, Michoud, Orleans Parish, LA. Gulf South executed a Soil Boring & Cone Penetration Test (CPT) Sounding investigation for environmental wells at NASA Michoud Assembly Facility (MAF) in Orleans Parish, LA. Scope includes drilling undisturbed soil borings (three at 24 ft.) and CPT Probes (five), lab testing, and results summary include soil boring logs, CPT logs, and lab test results. (\$19,000 (fee); 2019)

Entergy Water Sampling (Old Gentilly Road Site), New Orleans, LA. Gulf South sampled water from existing pipes and water source to building to determine if any contaminants were found. Water quality was tested for copper, lead, chlorine and total organic carbon. In addition to water sampling, mold inspection was performed. (\$1,000 (fee); 2018)


Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA. Geotechnical engineering analysis for a canal bank along Wayne Ave. at West Bank Expressway intersection in Bridge City, LA. Gulf South's scope includes geotechnical engineering analysis consisting of slope stability analysis, sheetpile design recommendations, and general construction recommendations. Gulf South was contracted by Jefferson Parish to provide geotechnical engineering expertise for ongoing stability issues along the canal bank. (\$5,000 (fee); 2015)

Bayou Sauvage Water Control Pipe Replacement, U.S. Wildlife & Fisheries, New Orleans, LA. Geotechnical investigation for drainage pipe replacement at 2 sites for the U. S. Fish and Wildlife in New Orleans, LA. New drainage pipes will be 6 feet in diameter. Drill 1 boring to 20 feet in depth at each site and perform laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,500 (fee); 2012)

N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$20,000 (fee); 2021)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Sara E. Lockwood, E.I. Graduate Geotechnical Engineer</p>	
Project Assignment:	
Graduate Geotechnical Engineer/Engineering Intern	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
3 years with this firm (2019); 5 years total (2017)	
Education: Degree(s)/Year/Specialization:	
<p>B.S., 2019, Civil Engineering, University of New Orleans B.S., 2016, Physics, Loyola University</p>	
Active registration: Year first registered/discipline:	
2020, Engineering Intern, Louisiana, No. EI.0034718	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Ms. Lockwood recently joined Gulf South Engineering and Testing and is serving as a Graduate Engineer, providing such duties as project management, geotechnical engineering analyses, and field & laboratory testing & inspection. Her coursework included such disciplines as foundation engineering, soil mechanics, geotechnical engineering, structural concrete & structural steel design, and sustainability principals. She worked as an intern during her college career for a local consulting group, assisting on a variety of environmental studies for infrastructure projects, and preparing regulatory permit applications, as well as preparation of various components of Louisiana DEQ and NEPA documents.</p> <p>Raw Water Intake (RWI) Structure Rehabilitation, Plaquemine, Iberville Parish, LA. Geotechnical engineering services for the construction of a replacement water pipeline and intake structure within the Intercostal Water Way (IWW) near Highway 3066 (Bayou Road) in Iberville Parish, LA. Gulf South's scope includes drilling three undisturbed soil borings (depths of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$17,300 (fee); 2020)</p> <p>Lake Cataouatche Pump Station, Avondale, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$12,500 (fee); 2019)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> Society of Women Engineers American Society of Civil Engineers </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Sarah E. Lockwood (continued)

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

Soniat Canal Stabilization, Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of the stabilization of the east bank of Soniat Canal (approx. 1,700 lf). Scope included drilling three undisturbed soil borings to depths of 50 ft. bgs, laboratory testing, engineering analyses (slope stability analysis) and general construction procedures and recommendations. (\$10,000 (fee); 2020)

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


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

Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA. Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2021)

Verrett Canal Slope Instability Project, West Bank Drainage Department, Harvey, Jefferson Parish, LA. Geotechnical engineering services for the potential solution (i.e. retaining wall, etc.) for the surface movement at the top slope of Verrett Canal located at 89 Natchez Trace in Harvey, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$5,000 (fee); 2020)

Airline Highway Backwater Protection Project, St. John the Baptist Parish, LA. Geotechnical engineering services for the construction of floodgates and a pump station at three sites (Blind River/Bayou Trainnasse/M2 Canal). Each site will have a floodgate, and a pump station will be installed in addition to the floodgate at Blind River in St. John Parish, LA. Gulf South's scope includes drilling eight undisturbed soil borings (six at 80 ft bgs, two at 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$55,000 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Christopher Boutwell Construction Materials Testing (CMT) Supervisor</p>	
Project Assignment:	
Construction Materials Testing (CMT) Supervisor	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
10 years with this firm (2012); 13 years total (2009)	
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Boutwell serves as a CMT Supervisor in Gulf South's Kenner, LA office. As a CMT Supervisor, Mr. Boutwell is responsible for scheduling technicians, technical training, resolving technical and personnel issues, equipment maintenance, preparing proposals, reviewing reports, and client interaction. Mr. Boutwell's construction monitoring experience includes nuclear density testing, concrete testing and inspection, asphalt inspection, earthwork testing and inspection, driven pile inspection, vibration monitoring, augercast pile inspection, and drilled shaft inspection. Mr. Boutwell is proficient in the following laboratory tests: soil and concrete compressive strength, moisture content, grain size sieve, organic content, Proctor compaction, lime/soil and soil/cement % determinations, density tests, and Atterberg limits.</p> <p>Mr. Boutwell has logged soil borings, performed pile load tests, floor flatness testing, anchor bolt pull out tests, obtained and secured samples from soil borings and borrow pits, and completed hand augers. Mr. Boutwell routinely operates Gulf South's pavement coring machines.</p> <p>Entergy Water Sampling (Old Gentilly Road Site), New Orleans, LA. Gulf South sampled water from existing pipes and water source to building to determine if any contaminants were found. Water quality was tested for copper, lead, chlorine and total organic carbon. In addition to water sampling, mold inspection was performed. (\$1,000 (fee); 2018)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> ACI Concrete Field Testing – Grade I APNGA Nuclear Moisture/Density Gauge Training OSHA Safety Training – 8 hr. </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Boutwell (continued)

N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$20,000 (fee); 2021)

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

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

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)


Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$20,000 (fee); 2019)

Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$10,000 (fee); 2019)


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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<div style="display: flex; flex-direction: column; align-items: flex-start;"> <div style="margin-bottom: 10px;">Ross L. White</div> <div>Soil Boring Driller</div> </div>	
Project Assignment:	
Soil Boring Driller	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years experience with this Firm:	
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:	
<div style="display: flex;"> <div style="flex: 1;"> <p>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.</p> </div> <div style="flex: 1; border: 1px solid black; padding: 10px; margin-left: 10px;"> <ul style="list-style-type: none"> ISTC basic, Entergy PowerSafe CDL A Class Driver's License (exp 11/2024) </div> </div> <p>Water Well (Town Center Parkway & I-10 Crossings), City of Slidell, LA. Geotechnical investigation for construction of new water system improvements near Town Center Parkway in Slidell, LA. Gulf South's scope includes drilling undisturbed soil borings (three at 50 ft.; one at 15 ft.), laboratory testing, and engineering analyses including net soil bearing values, below grade and pipeline foundation recommendations, pile load capacities for compression, tension, lateral cases, estimates of settlement, passive lateral earth pressures, modulus of soil reaction, soil resistivity values, bedding and backfill recommendations, rigid and/or flexible pavement design recommendations, special local soil conditions, and general construction procedures and recommendations. (\$9,900 (fee); 2018)</p> <p>Lift Station F-13-6 Replacement, Marrero, Jefferson Parish, LA. Geotechnical investigation for construction of a new lift station replacing an existing one off Ehret Road and Broas Street in Marrero, LA. Scope includes drilling a single 80 ft. undisturbed soil boring, lab testing, and engineering analyses including below grade foundation recommendations, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction procedures and recommendations. (\$7,900 (fee); 2019)</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Wyatt M. Jones Field Supervisor; Drilling and Engineering Technician</p>	
Project Assignment:	
Field Supervisor; Drilling and Engineering Technician	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
2 year with this firm (2020); 5 years total (2017)	
Education: Degree(s)/Year/Specialization:	
<i>Construction Management, Delgado College (ongoing)</i>	
Active registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	
<p>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.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <ul style="list-style-type: none"> Entergy PowerSafe OSHA Safety Training – 8 hr. </div> <p>Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$35,000 (fee); 2020)</p> <p>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)</p>	

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:	
Central Avenue Water Main Upgrade, Phase I (Central Ave. Between Airline Hwy. & Karen Ave.), Jefferson Parish, Louisiana Jefferson Parish c/o Principal Engineering, Inc. 1011 North Causeway Blvd, Suite 19 Mandeville LA 70471 Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com		Geotechnical investigation for the reconstruction of Central Avenue and the construction of a 12-in. dia. water main along Central Avenue. Scope included drilling four soil borings in the roadway to depths of 10 & 25 ft, lab testing (strength and classification), and geotechnical engineering analyses consisting of allowable soil bearing values, bedding & backfill recommendations, estimates of settlement, and general construction recommendations.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2014 March		N/A	\$5,000 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:		Nature of Firm's Responsibility:	
Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, Louisiana Ardurra Group, Inc. 3012 26th Street Metairie LA 70002 Joe Becker, P.E., 504-454-3866 jbecker@ardurra.com		Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2021 January		N/A	\$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Raw Water Intake (RWI) Structure Rehabilitation , Plaquemine, Iberville Parish, Louisiana Pan American Engineers 1717 Jackson Street Alexandria LA 71301 Marcus J. Guillory, P.E. , 318-473-2100 marcus@paealex.com	Geotechnical engineering services for the construction of a replacement water pipeline and intake structure within the Intercoastal Water Way (IWW) near Highway 3066 (Bayou Road) in Iberville Parish, LA. Gulf South's scope includes drilling three undisturbed soil borings (depths of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 January	N/A	\$17,300 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Bayou Sauvage Water Control Pipe Replacement , U.S. Wildlife & Fisheries, New Orleans, Louisiana Johnson McAdams 340 Poplar View Lane East, Suite 4 Collierville TN 38017 Chip Johnson, P.E. , 901-861-4200 chipjohnson@bellsouth.net	Geotechnical investigation for drainage pipe replacement at 2 sites for the U. S. Fish and Wildlife in New Orleans, LA. New drainage pipes will be 6 feet in diameter. Drill 1 boring to 20 feet in depth at each site and perform laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012 July	N/A	\$3,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Water Well (Town Center Parkway & I-10 Crossings), City of Slidell, Louisiana City of Slidell Engineering Department Post Office Box 828 Slidell LA 70459 Blaine Clancy, P.E., 985-646-6124 bclancy@cityofslidell.org	Geotechnical investigation for construction of new water system improvements near Town Center Parkway in Slidell, LA. Gulf South's scope includes drilling undisturbed soil borings (three at 50 ft.; one at 15 ft.), laboratory testing, and engineering analyses including net soil bearing values, below grade and pipeline foundation recommendations, pile load capacities for compression, tension, lateral cases, estimates of settlement, passive lateral earth pressures, modulus of soil reaction, soil resistivity values, bedding and backfill recommendations, rigid and/or flexible pavement design recommendations, special local soil conditions, and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 December	N/A	\$9,900 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, Louisiana ECM Consultants, Inc. 1201 Clearview Parkway Suite 200 Metairie LA 70001 Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com	Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing levee to the protected side.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 September	N/A	\$35,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, Louisiana Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471 André C. Monnot, P.E., 985-624-5001 andre@pi.aec.com	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 (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 May	N/A	\$7,500 (fee)

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

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Drainage Infrastructure Improvements, South Avondale Subdivision , Avondale, Jefferson Parish, Louisiana Jefferson Parish c/o Phoenix Global Construction 2901 Independence St Ste 103 Metairie LA 70006 Jack Lo , 504-883-9021 phoenixglobal@bellsouth.net	Geotechnical investigation for drainage improvements on S. Jamie Boulevard in Avondale, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet, lab testing, and engineering analyses including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 January	N/A	\$7,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
St. Bernard Water Treatment Plant (WTP) New Pump Station Cofferdam , Chalmette, St. Bernard Parish, Louisiana St. Bernard Parish c/o Principal Engineering, Inc. 1011 N Causeway Boulevard, Ste 19 Mandeville LA 70471 Andre Monnot, P.E. , 985-624-5001 andre@principal-engineering.com	Geotechnical engineering analyses for a cofferdam for a new pump station within St. Bernard WTP in Chalmette, LA. Cofferdam approximately 20 feet deep, 48.5 ft by 40.5 ft. Engineering analyses consisted of sheetpile wall parameters (tip depth, moment) where minimal bracing is utilized.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	N/A	\$3,500 (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:

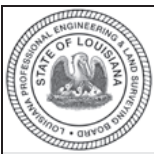
Gulf South Engineering and
Testing, Inc.

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

PE.0027667

Expiration Date

09/30/2022

Status: **Active**



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

Mr. Blake Elliot Vutera

License/Certificate Type - Number

PE.0038607

Expiration Date

09/30/2022

Status: **Active**



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

Ms. Sara Elinor Lockwood

License/Certificate Type - Number

EI.0034718

Expiration Date

03/31/2023

Status: **Active**



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

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number

PLS.0004329

Expiration Date

09/30/2022

Status: **Active**



GULF SOUTH

ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants



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





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,

A handwritten signature in blue ink, appearing to read "Adonis C. Expose", is written over a light blue circular stamp.

Adonis C. Expose
DBE/SBE Liaison Officer III





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



GULF SOUTH

ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Creative Engineering Group, LLC
TEC Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ No. 22-013 Routine Engineering Services for Water Projects - Resolution No. 138809

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:

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

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.

Mr. Nolan has worked on the following sewer projects:

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

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

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

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

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

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

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

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

Nunez Community College Building B Hurricane Katrina Repairs - *Chalmette, 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:	
Hurricane Katrina Damage Repairs - McDermott Hanger <i>New Orleans, LA</i> RCL Architecture 900 W. Causeway Approach Mandeville, LA 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. CEG provided cost estimates to the Architect for repair scope of work. 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): 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:	
Repairs to C.F. Rowley School St. Bernard Parish School Board <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. 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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	10/2007 (Est.)	\$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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> <tr> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">\$8,900,000</td> <td style="text-align: center; padding: 5px;">\$323,000</td> </tr> </tbody> </table>		Estimated Cost:		Entire Project:	Work for which Firm was Responsible:	\$8,900,000	\$323,000
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):	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> <tr> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="height: 40px;"></td> <td style="height: 40px;"></td> </tr> </tbody> </table>		Estimated Cost:		Entire Project:	Work for which Firm was Responsible:		
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 Nowell


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 (LPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	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>		

Fold Here

Cut Here

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

Disclaimer

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