

STATEMENT OF QUALIFICATIONS
TO PROVIDE ROUTINE ENGINEERING SERVICES
FOR SEWER PROJECTS IN JEFFERSON PARISH
RESOLUTION NO. 138812



MARCH 25, 2022

Prepared By:



PROFESSIONAL
ENGINEERING AND
ENVIRONMENTAL
CONSULTANTS, INC.

ENGINEERS, PLANNERS AND ENVIRONMENTAL CONSULTANTS
1065 Muller Parkway, Suite B, Westwego, LA 70094



**PROFESSIONAL
ENGINEERING AND
ENVIRONMENTAL
CONSULTANTS, INC.**

ENGINEERS, PLANNERS AND ENVIRONMENTAL CONSULTANTS

March 25, 2022

Jefferson Parish Purchasing Department
C/O Mr. Renny Simno, Director
Jefferson Parish General Government Building
200 Derbigny Street, Suite 4400
Gretna, LA 70053

**RE: ROUTINE ENGINEERING SERVICES FOR
SEWER PROJECTS IN JEFFERSON PARISH
RESOLUTION NO. 138812**

Dear Mr. Simno,

It is our pleasure to submit this response to Jefferson Parish Council's Request for Qualifications for Routine Engineering Services for Sewer Projects in Jefferson Parish for a Two-Year Period. PEEC, Inc. is a Civil and Environmental Engineering firm with over 29 years of experience in regard to design of sewer system improvements, including design and rehabilitation of waste water treatment facilities, lift stations, drying beds, and sewer ponds. Along with this, our familiarity with Jefferson Parish and the proximity of our office makes PEEC a prime candidate to provide the engineering and related services for any awarded projects.

PEEC is a consulting engineering firm capable of providing engineering services for Capital Improvements, CDBG, FEMA, GOHSEP, and other State and Federal funded projects. PEEC has been licensed in the State of Louisiana since 1993 and we are proud of the fact that our firm has not had any record of substandard work nor engaged in any unethical practices in that time.

PEEC has consistently providing state of the art solutions to complex problems facing municipalities and local government bodies. PEEC's innovative approach to problem solving has proven to be economically beneficial to its clients. Such technical ideas have been used for clients such as Jefferson Parish, Town of Grand Isle, St. Tammany Parish, City of Westwego, Plaquemines Parish, St. Bernard Parish, St. Charles Parish, St. James Parish, Lafourche Parish, St. Martin Parish, the Town of Zwolle and numerous other private clients in the past.

We look forward to working with the Council on any future Sewer improvement projects. If you have any questions regarding this matter, please contact our office at (504) 347-1900.

Sincerely,

Mo Saleh, M.S., P.E.,
Principal

TABLE OF CONTENTS

- I. PEEC, Inc. – Executive Summary of Qualifications
- II. Jefferson Parish TEC Professional Services Questionnaire (PEEC, Inc.)
- III. Jefferson Parish TEC Professional Services Questionnaire (BFM, LLC)
- IV. Jefferson Parish TEC Professional Services Questionnaire (GSET, Inc.)

Executive Summary

Professional Engineering and Environmental Consultants, Inc. (PEEC), is a registered professional engineering firm in Louisiana and Texas. PEEC offers highly qualified personnel, state-of-the-art equipment and the latest computer systems and software to our clients. Our office is located in the City of Westwego in Jefferson Parish. Our vast experience with wastewater system design, planning, construction management, and project administration makes PEEC a highly qualified firm to provide routine engineering services for Sewer Projects.

PEEC offers its clients a wide array of professional civil, environmental, and structural engineering services coupled with exceptional knowledge and experience regarding design of sewer system improvements. PEEC clients enjoy our professionalism and team work that lead to successful completion of projects from start to finish. Our technical ideas and innovative approach to problem solving has proven to be economically beneficial to its clients.

PEEC is very knowledgeable and proficient with FEMA, Capital Improvements, CDBG, and GOHSEP program administration and management. Our firm has all the necessary personnel with the appropriate expertise, qualifications, and certifications to successfully perform all aspects of this project for Jefferson Parish within budget, and in a timely manner.

Over the past 29 years, PEEC has developed an extensive inventory of background technical information on relevant characteristics which provide valuable information in preparation for sewer system improvement project tasks, objectives, and goals. We are intimately familiar with Jefferson Parish having designed and managed the construction of numerous projects including design and improvements to waste water treatment facilities, lift stations, drying beds, and sewer ponds. Our firm recognizes the need for timely completion of projects and has proved itself capable of doing so in the past.

Successful planning and completion of projects in locations such as Jefferson Parish, St. Charles Parish, St. Tammany Parish, St. Bernard Parish, St. Martin Parish, Lafourche Parish, Plaquemines Parish, Sabine Parish, and Galveston County in Texas have proven our ability to consistently provide state of the art solutions to complex problems facing parishes and municipalities.

For these reasons as well as the firm's experience and understanding the nature of the problems confronting southeast Louisiana, Professional Engineering and Environmental Consultants, Inc. is a valuable resource that is very capable and prepared to provide professional engineering and related services to Jefferson Parish for sewer projects.

**Jefferson Parish TEC
Professional Services Questionnaire**

For

PEEC, Inc.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

To Provide Routine Engineering Services for Sewer Projects in Jefferson Parish
Resolution No.138812

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

Professional Engineering and Environmental Consultants, Inc.
1065 Muller Parkway Suite B
Westwego, LA 70094

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:

Mo Saleh, M.S., P.E.
Principal
(504) 347-1900
mo@peecinc.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.

Mo Saleh, M.S., P.E.
Principal
(504) 347-1900
mo@peecinc.com

LA P.E. No. 23806 1990, Civil Engineering
LA P.E. No. 23806 1994, Environmental Engineering

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

<u> 2 </u> Administrative	<u> 1 </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> 3 </u> Civil Engineers	<u> </u> Interior Designers	<u> 1 </u> Project Managers
<u> 1 </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> 1 </u> Environmental Engineers	
<u> 1 </u> Professional Land Surveyors		<u>11</u> TOTAL

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

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

TEC Professional Services Questionnaire

Mechanical, Electrical, Plumbing and Piping Design

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

1. N/A

2. N/A

H. Has this JOINT-VENTURE previously worked together? Please check: N / A
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. BFM Corporation, LLC 15 Veterans Memorial Blvd. Kenner, LA 70062	Professional Land Surveying	Yes
2. Gulf South Engineering and Testing, Inc. 15 Veterans Memorial Blvd. Kenner, LA 70062	Geotechnical Engineering and Analysis	Yes
3.		

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

 (2)

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:

Mo Saleh, M.S., P.E., Principal

Project Assignment:

Senior Project Engineer; Civil Engineer

Name of Firm with which associated:

Professional Engineering and Environmental Consultants, Inc.

Years' experience with this Firm:

29

Education: Degree(s)/Year/Specialization:

M.S., Civil Engineering (1984), University of New Orleans; B.S., Civil Engineering (1980), University of New Orleans

Active registration: Year first registered/discipline:

Registered Professional Civil Engineer, LA P.E. No.23806; Registered Professional Environmental Engineer, LA P.E. No. 23806; Registered Professional Civil Engineer, FL P.E. No. 42728; Registered Professional Engineer, TX P.E. No. 86026; 40 Hour Hazmat Technician, Levels A, B, C, D, SCBA, SAR, APR, Certificate No. 1007; 8 Hour Hazmat Supervisor, Certificate No. 1012; Underground Storage Tank (UST) Removal Certification.

Other experience and qualifications relevant to the proposed Project:

As a Senior Project Engineer, Mr. Saleh has over (30) years of experience providing engineering services for design or rehabilitation on numerous drainage improvement systems including: pumping stations, major canals, subsurface drainage systems, and drainage basins with control structures, His responsibilities included: hydraulic modeling, hydraulic studies, field investigations, mechanical and structural design of pump stations, preparation of specifications, construction management, cost analysis, project coordination, preparation of operation and maintenance manuals, and regulatory negotiations for obtaining the required permits. Mr. Saleh will assume the role of Senior Project Engineer and oversee all aspects of any awarded projects.

At Professional Engineering and Environmental Consultants, Inc., Mr. Saleh's engineering services include providing technical expertise and assistance to many local municipalities and parishes including Jefferson Parish, City of Westwego, City of Morgan City, Town of Grand Isle, Town of Zwolle, City of Gretna, Grand Isle Independent Levee District, West Jefferson Levee District, Grand Isle Port Commission, Plaquemines Parish, St. Charles Parish, St. Bernard Parish, and St. Tammany Parish.

TEC Professional Services Questionnaire

Mr. Saleh's experience with Sewer projects include:

Installation of New Generator at the Westwego Wastewater Treatment Plant

Westwego, LA

During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Saleh was responsible for the structural design and construction administration which included: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant

Westwego, LA

The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Saleh was responsible for design and all aspects of construction management including: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

Design of Sewer Treatment Pond

Zwolle, LA

PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. He was responsible for construction administration which included: project design, topographical surveying, assisted in hydraulic modeling, cost analysis, and alternative analysis.

Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant

Westwego, LA

The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations. The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. Mr. Saleh was responsible for design and all aspects of construction management including: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

Rehabilitation of (6) Pump Stations

Zwolle, LA

PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Saleh was responsible for construction administration which included: project design, approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Mr. Saleh was responsible for design and all aspects of construction management including: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.

TEC Professional Services Questionnaire

Spruce Street Lift Station Rehabilitation

Jefferson Parish, LA

PEEC designed and managed the Spruce Street Lift Station Rehab. The project included enlargement of the sewer wet well, installation of three new submersible pumps and control panels. Due to the fact that the Spruce Street Lift Station is a high flow lift station with no existing alternate routing possibilities, PEEC paid special attention to project coordination and wastewater by-pass pumping. Mr. Saleh was responsible for construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.

Rehabilitation of Ames Blvd. Lift Station

Jefferson Parish, LA

Jefferson Parish selected the team of URS as the prime contractor and PEEC as a Sub-Contractor to improve the sewer System of this area of the west bank in Jefferson Parish. This project included modifications to six existing lift stations, installation of 4.2 miles of sewer force main and installation of a major sewer lift station at Ames Blvd. PEEC recommended to the Parish to modify the existing lift station in lieu of installing a new station. Upon completion of the Ames Lift Station, the station was able to handle the maximum flow. Mr. Saleh was responsible for design and all aspects of construction management including: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Ronald A. Guidry, President
Project Assignment:
Quality Control Manager
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
29
Education: Degree(s)/Year/Specialization:
Associate of Science, Drafting Eng. Technology, Delgado College, 1968
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Guidry has been an officer of Professional Engineering and Environmental Consultants, Inc. for over (20) years and has over (40) years of experience in construction supervision and monitoring, instrumentation, drafting, architectural design, and planning. His education and construction background provides the company with great versatility in quality control and assurance for the various projects. Mr. Guidry will assume the role of Quality Control Manager regarding any awarded projects.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Guidry has been responsible for Quality Control and Assurance, and construction administration which included: review of shop drawings and contractor submittals, calculating quantities, approving contractor invoices, and coordinating the final inspection.</p> <p>City of Westwego Waste Water Treatment Plant Effluent Force Main Westwego, LA The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Mr. Guidry was responsible for construction supervision, monitoring, planning, adhering to state and federal regulations, and quantities of materials used on-site.</p> <p>Spruce Street Lift Station Rehabilitation Jefferson Parish, LA PEEC designed and managed the Spruce Street Lift Station Rehab. The project included enlargement of the sewer wet Well, installation of three new submersible pumps and control panels. Due to the fact that the Spruce Street Lift Station is a high flow lift station with no existing alternate routing possibilities, PEEC paid special attention to project coordination and wastewater by-pass pumping. Mr. Guidry was responsible for Quality Control and Assurance, and construction administration which included: approving contractor invoices, compiling the inspection reports, and assisting the project managers with the permits, drawings, and specifications.</p>

TEC Professional Services Questionnaire

Design and Install Catholic Street Sewer Lift Stations

Zwolle, LA

The Town of Zwolle is a rural community in northern Louisiana. PEEC focused its energy on securing state funding to design and manage the addition of five new sewer lift stations to the Zwolle waste water collection system. The Project included design and management of the installation of (5) new lift stations, installation of 1,400' of 8" force main and control systems for the new lift stations. The entire waste water collection system's operation was dramatically improved as a result of this project and numerous residents were able to connect to the central collection system for the first time. Mr. Guidry was responsible for construction supervision and monitoring, instrumentation, drafting, architectural design, and planning.

Rehabilitation of Ames Blvd. Lift Station

Jefferson Parish, LA

Jefferson Parish selected the team of URS as the prime contractor and PEEC as a Sub-Contractor to improve the sewer system of this area of the west bank in Jefferson Parish. This project included modifications to six existing lift stations, installation of 4.2 miles of sewer force main and installation of a major sewer lift station at Ames Blvd. PEEC recommended to the Parish to modify the existing lift station in lieu of installing a new station. Upon completion of the Ames Lift Station, the station was able to handle the maximum flow. Mr. Guidry was responsible for construction supervision and monitoring, instrumentation, drafting, architectural design, and planning.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Delmar R. Caldwell, P.E.
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
29
Education: Degree(s)/Year/Specialization:
B.S., Civil Engineering, Tulane University, 1982
Active registration: Year first registered/discipline:
Registered Professional Civil Engineer, LA P.E. No. 23127; Registered Professional Environmental Engineer, LA P.E. No. 23127; Registered Professional Civil Engineer, MS P.E. No. 10847; Hazardous Waste Contractor, LA No. 26898; LA DEQ Underground Storage Tank Worker Certificate No. IRC-0539.
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Caldwell is a registered Civil Engineer with more than (30) years of experience in civil and environmental engineering projects. His experience is broad based and includes: office administration and management, construction administration and supervision for major municipal programs. His technical background includes: GIS development and implementation, water and wastewater planning and design, permitting, hydraulic and hydrologic analyses and study. Mr. Caldwell will assume the role of Civil Engineer for any awarded projects.</p> <p>Design of Sewer Treatment Pond Zwolle, LA PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. Mr. Caldwell was responsible for construction administration which included: project design, topographical surveying, assisted in hydraulic modeling, cost analysis, and alternative analysis.</p> <p>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Caldwell has been responsible for the cost analysis, project coordination, mechanical and structural design, and preparation of the specifications.</p>

TEC Professional Services Questionnaire

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Mr. Caldwell was responsible for performing computer analysis of water transmission and distribution system, environmental permitting, environmental impact assessment, and construction management.

Spruce Street Lift Station Rehabilitation

Jefferson Parish, LA

PEEC designed and managed the Spruce Street Lift Station Rehab. The project included enlargement of the sewer wet well, installation of three new submersible pumps and control panels. Due to the fact that the Spruce Street Lift Station is a high flow lift station with no existing alternate routing possibilities, PEEC paid special attention to project coordination and wastewater by-pass pumping. Mr. Caldwell was responsible for preparation of plans and specifications, project administration, and construction management.

Design and Install Catholic Street Sewer Lift Stations

Zwolle, LA

The Town of Zwolle is a rural community in northern Louisiana. PEEC focused its energy on securing state funding to design and manage the addition of five new sewer lift stations to the Zwolle waste water collection system. The Project included design and management of the installation of (5) new lift stations, installation of 1,400' of 8" force main and control systems for the new lift stations. The entire waste water collection system's operation was dramatically improved as a result of this project and numerous residents were able to connect to the central collection system for the first time. Mr. Caldwell was responsible for the cost analysis, project coordination, mechanical and structural design, and preparation of the specifications.

Rehabilitation of Ames Blvd. Lift Station

Jefferson Parish, LA

Jefferson Parish selected the team of URS as the prime contractor and PEEC as a Sub-Contractor to improve the sewer system of this area of the west bank in Jefferson Parish. This project included modifications to six existing lift stations, installation of 4.2 miles of sewer force main and installation of a major sewer lift station at Ames Blvd. PEEC recommended to the Parish to modify the existing lift station in lieu of installing a new station. Upon completion of the Ames Lift Station, the station was able to handle the maximum flow. Mr. Caldwell was responsible for construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Dr. Morris Sade, Ph.D., P.H., P.E.
Project Assignment:
Environmental Engineer
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
17
Education: Degree(s)/Year/Specialization:
Ph.D./1990/University of Illinois/Civil & Agric. Engineering M.S./1981/University of Arizona/Civil Engineering B.S./ 1971/University of Azerbaijan/Civil & Agric. Engineering
Active registration: Year first registered/discipline:
P.E. 1997, Civil Engineer/Louisiana No. 27412; P.E. 2002, Civil Engineer/Arizona No. 38010; P.E. 2003, Civil Engineer/Texas No. 91381; P.H. 1992, Professional Hydrologist, AIH 990
Other experience and qualifications relevant to the proposed Project:
<p>Dr. Sade has served in various technical and administrative capacities during his many years of experience as a professional engineer. He has multi-disciplinary education and extensive professional experiences in Design, Research and Development, Teaching, Planning and Management in the field of Water Resources and Environmental Engineering, Hydraulics and Hydrology. He has prepared and published numerous technical reports and design projects. He has an established record of knowledge and practical experiences in various physical and environmental aspects of Louisiana's Flat terrain Hydrology, Flood Control Structures, Stormwater Management, Hydrologic and Hydraulic Design (H&H), Soil Erosion, Risk Assessment and Dam Safety Analysis, Coastal Wetlands and Groundwater Technology. He has a broad background in computer modeling and simulation techniques for design of Hydrologic and Hydraulic (H&H) systems and GIS application. He has worked extensively with hydrologic models and has comprehensive working knowledge of HEC1, HEC2, HECRAS, HEC-HMS, HYDRAIN, STORM, SWMM, TR55, WSPRO, SMS, UNET, TABS, RMAX & SED2D, WQRRS, BASINS, QUAL-2E. Dr. Sade will assume the role of Environmental Engineer for any awarded projects.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Dr. Sade was responsible for environmental permitting and environmental impact assessment.</p>

TEC Professional Services Questionnaire

Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant

Westwego, LA

The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations. The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. Dr. Sade was responsible for environmental permitting and environmental impact assessment.

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Dr. Sade was responsible for environmental permitting and environmental impact assessment.

Rehabilitation of (6) Pump Stations

Zwolle, LA

PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Dr. Sade was responsible for environmental permitting and environmental impact assessment.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Wes Faulkner, P.E.
Project Assignment:
Electrical Engineer
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
17
Education: Degree(s)/Year/Specialization:
B.S., 1964, Electrical Engineering, Louisiana State University
Active registration: Year first registered/discipline:
1966, Electrical Engineering, Louisiana No. 10110
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Faulkner has over 35 years of experience designing lighting, power and control systems for commercial and industrial facilities. Past project facilities include water and wastewater treatment plants, pump stations, lift stations, hospitals, office buildings, and schools. Mr. Faulkner is also experienced in preparing contract documents, plans and specifications, cost estimates, and providing construction management. Mr. Faulkner joined the team of Professional Engineering and Environmental Consultants, Inc. in 2005 as the Electrical and Mechanical Engineer and has been responsible for the Mechanical, Electrical, Piping & Plumbing design of several Jefferson Parish government and also Jefferson Parish School board projects. Mr. Faulkner will assume the role of Electrical Engineer for any awarded projects.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Faulkner was responsible for electrical systems, electrical specifications, automatic transfer switches, diesel generator sets, and cost analysis.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Faulkner was responsible for electrical systems, electrical specifications, automatic transfer switches, diesel generator sets, and cost analysis.</p> <p>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Faulkner was responsible for electrical systems, electrical specifications, automatic transfer switches, diesel generator sets, and cost analysis.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Al Almassi
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
26
Education: Degree(s)/Year/Specialization:
B.S., Civil Engineering, University of New Orleans, 1983
Active registration: Year first registered/discipline:
P.E. Texas
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Almassi is a Civil Engineer with over (30) years of experience in various aspects of the civil and environmental engineering fields. His experience includes: hydraulic analysis, environmental permitting, hydrologic study, topographic survey, creating plans and specifications, and construction administration. Mr. Almassi will assume the role of Civil Engineer for any awarded projects.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Almassi was responsible for construction administration which included: the hydraulic calculations, review of shop drawings and contractor submittals, calculating quantities, and coordinating the final inspection.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Almassi was responsible for review of shop drawings and contractor submittals, calculating quantities, and coordinating the final inspection.</p> <p>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Almassi was responsible for construction administration which included: the hydraulic calculations, review of shop drawings and contractor submittals, calculating quantities, and coordinating the final inspection.</p>

TEC Professional Services Questionnaire

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Mr. Almassi was responsible for the preparation of plans and specifications, hydraulic calculations, design of the new system, construction inspection, and obtaining all necessary permits.

Design of Sewer Treatment Pond

Zwolle, LA

PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. Mr. Almassi was responsible for the preparation of plans and specifications, hydraulic calculations, design of the new system, construction inspection, and obtaining all necessary permits.

Westwego Waste Water Treatment Facility Sludge Drying Bed and Digester Design

Westwego, LA

The City of Westwego wastewater treatment plant was improved by design and construction of a filter bed system and upgrading the digester to capture the gas and improve the overall quality of the sludge removed. These modifications improved the solid waste quality of the waste water treatment plant. Mr. Almassi was responsible for the preparation of plans and specifications, hydraulic calculations, design of the new system, construction inspection, and obtaining all necessary permits.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Jeff Meyers
Project Assignment:
Project Manager
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
17
Education: Degree(s)/Year/Specialization:
Associates in Drafting and Design, Southeastern Louisiana University, 1999
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Meyers has been the Project Manager and Designer for several Civil and Structural engineering projects with PEEC. His responsibilities include managing the design team, coordination with the client, coordination and design of the project including data conversion, computer mapping, field investigation, and the historical review of the site; supervision of the construction phase, preparation of the specifications, cost analysis, and preparation of operation and maintenance manuals, and regulatory negotiations for obtaining the required permits. Mr. Meyers will assume the role of Project Manager for any awarded projects.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Meyers was responsible for the topographical surveying, cost analysis, coordination and design of the project including data conversion, computer mapping, and field investigation.</p> <p>Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant Westwego, LA The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations. The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. Mr. Meyers was responsible for the topographical surveying, cost analysis, coordination and design of the project including data conversion, computer mapping, and field investigation.</p> <p>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Meyers was responsible for the topographical surveying, cost analysis, coordination and design of the project including data conversion, computer mapping, and field investigation.</p>

TEC Professional Services Questionnaire

City of Westwego Waste Water Treatment Plant Effluent Force Main

Westwego, LA

The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Mr. Meyers was responsible for the topographical surveying, cost analysis, coordination and design of the project including data conversion, computer mapping, and field investigation.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
James Blanchard
Project Assignment:
Project Administrator
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
11
Education: Degree(s)/Year/Specialization:
B.G.S./2001 University of New Orleans/Science
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>As Project Administrator, Mr. Blanchard is responsible for permitting; preparing front end and technical specifications; compliance with guidelines, specifications, and bidding documents; coordinating the contractor bid process; coordinating with the engineer(s) and clients; reconciling any issues with residents and parish officials; project administration; and historical data research. Mr. Blanchard will fulfill this role on any awarded projects.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Blanchard was responsible for preparation of project specifications, applying for permits, tallying bids, and project administration.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Blanchard was responsible for preparation of project specifications, compliance with project specifications, coordinating contractor bid process, tallying bids, historical data review, applying for permits, and project administration.</p> <p>Rehabilitation of (6) Pump Stations Zwolle, LA PEEC analyzed the existing conditions and determined that (6) lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC was successful in acquiring funding for the Town of Zwolle. The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations. All stations operated at peak capacity after the rehab was complete. Mr. Blanchard was responsible for applying for permits, coordinating pre-bid conference, tallying bids, site inspection, historical data review, and project administration.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Stephen Blaskey, P.L.S.
Project Assignment:
Lead Surveyor
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
11
Education: Degree(s)/Year/Specialization:
B.S./ 2004 Texas A&M University – Corpus Christi/Geographic Information Science with a Specialization in Geomatics
Active registration: Year first registered/discipline:
Louisiana P.L.S. License No. 5107 – Land Surveyor
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Blaskey has over nine years of experience as Surveyor for PEEC, Inc. His responsibilities include surveying operations, boundary calculations, and use of GIS software. Mr. Blaskey will assume the role of Land Surveyor and provide all necessary surveying.</p> <p>City of Westwego Waste Water Treatment Plant Effluent Force Main Westwego, LA The City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. Mr. Blaskey's responsibilities included elevation surveys, boundary calculations, and identifying existing pipelines located at the project site.</p> <p>Westwego Waste Water Treatment Facility Sludge Drying Bed and Digester Design Westwego, LA The City of Westwego wastewater treatment plant was improved by design and construction of a filter bed system and upgrading the digester to capture the gas and improve the overall quality of the sludge removed. These modifications improved the solid waste quality of the waste water treatment plant. Mr. Blaskey's responsibilities included elevation surveys, boundary calculations, and identifying existing pipelines located at the project site.</p> <p>Design of Sewer Treatment Pond Zwolle, LA PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. Mr. Blaskey's responsibilities included elevation surveys, boundary calculations, and identifying existing pipelines located at the project site.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Derek Pinkley
Project Assignment:
Estimator
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
12
Education: Degree(s)/Year/Specialization:
B.S. in Computer Science American International University
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>As the Estimator, Mr. Pinkley is responsible for gathering information and requirements, reviewing preliminary plans, and updating plans and specifications using AutoCAD and Microsoft software programs. Mr. Pinkley will fulfill this role on any awarded projects.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Pinkley was responsible for plans and specifications associated with this project, calculating quantities and estimates, and preparing all needed documentation for advertising the project and the bid phase.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Pinkley was responsible for plans and specifications associated with this project, calculating quantities and estimates, and preparing all needed documentation for advertising the project and the bid phase.</p> <p>Design of Sewer Treatment Pond Zwolle, LA PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. Mr. Pinkley was responsible for plans and specifications associated with this project, calculating quantities and estimates, and preparing all needed documentation for advertising the project and the bid phase.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Larry Vicari
Project Assignment:
Construction Inspector
Name of Firm with which associated:
Professional Engineering and Environmental Consultants, Inc.
Years' experience with this Firm:
10
Education: Degree(s)/Year/Specialization:
Southeastern Louisiana University Continuing Education
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>As a Construction Inspector, Mr. Vicari has been responsible for investigating the construction work at all stages to identify problems, report potential problems and take timely action to solve problems, and ensure completion of the project in a timely manner. Mr. Vicari will fulfill the role of Construction Inspector on any awarded projects.</p> <p>Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously. Mr. Vicari's responsibilities included observing and investigating construction at all stages to identify problems, report potential problems and takes timely action to solve problems; and inspecting all work in progress to ensure construction is in compliance with project plans and specifications.</p> <p>Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. Mr. Vicari's responsibilities included observing and investigating construction at all stages to identify problems, report potential problems and takes timely action to solve problems; and inspecting all work in progress to ensure construction is in compliance with project plans and specifications.</p> <p>Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant Westwego, LA The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations. The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. Mr. Vicari's responsibilities included observing and investigating construction at all stages to identify problems, report potential problems and takes timely action to solve problems; and inspecting all work in progress to ensure construction is in compliance with project plans and specifications.</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:	
Design and Installation of 8 MGD New Effluent Pumps at the Wastewater Treatment Plant Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$2,000,000	\$2,000,000

Project Description

The City of Westwego was required by the Louisiana Department of Environmental Quality to install four new pumps in order to discharge treated wastewater into the Mississippi River. PEEC was selected to design and install the new pumps providing a total capacity of 8.0 MGD. PEEC was able to obtain regulatory permits including 404 permits, CZM permits, air quality and solid waste permits, and DHH and DEQ certifications for this project. PEEC also obtained all the required approval related to the right of ways.



TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
City of Westwego Waste Water Treatment Plant Effluent Force Main Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2009	\$2,500,000	\$2,500,000

Project Description

City of Westwego directed PEEC to design the new effluent pump station and a 22-inch diameter High Density Polyethylene force main to pump the treated effluent from the wastewater treatment plant to the Mississippi River. PEEC designed the entire project using the directional drilling method which allowed the entire two miles of the pipeline to be installed under the streets and highways and crossing under the major drainage canals and residential houses. The actual installation period for the pipeline was approximately three months. PEEC has many years of experience obtaining regulatory permits of all kinds. PEEC spent many man-hours obtaining all the required permits and right of ways for this project.



TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Spruce Street Lift Station Rehabilitation Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger (504) 347-5745	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2003	\$1,142,000	\$1,142,000

Project Description

The City of Westwego is a community which was founded in 1870 on the west bank of the Mississippi River in the New Orleans metropolitan area. With its long history comes an old and dilapidated sewer collection system. PEEC has been the official City Engineer for Westwego since 1996. PEEC designed and managed the Spruce Street Lift Station Rehab. *The project included enlargement of the sewer wet well, installation of three new submersible pumps and control panels.*

Special Challenges

Due to the fact that the Spruce Street Lift Station is a high flow lift station with no existing alternate routine possibilities, PEEC paid special attention to project coordination and wastewater by-pass pumping.

Project Inspection

PEEC inspection team was on site full time to ensure that the project was installed to specification and that no interruption of service was experienced by the City's residents. No incidents of inconvenience were experienced.



TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Rehabilitation of Ames Blvd. Lift Station Jefferson Parish, LA Jefferson Parish Government Department of Public Works 1221 Elmwood Park Blvd. Harahan, LA 70123 (504) 736-6784	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
1998	\$4,000,000	\$600,000

Project Description

Jefferson Parish selected the team of URS as the prime contractor and PEEC as a Sub-Contractor to improve the sewer system of this area of the west bank in Jefferson Parish. ***This project included modifications to six existing lift stations, installation of 4.2 miles of sewer force main and installation of a major sewer lift station at Ames Blvd.***

The total budgeted amount was \$4,000,000. The Parish was able to appropriate a total construction amount of \$1,200,000 which was utilized for improvements to Ames Pump Station. PEEC recommended to the Parish to modify the existing lift station in lieu of installing a new station. This method was able to save approximately \$500,000 for the Parish; therefore, the work was done for a total construction cost of \$700,000. PEEC completed the design of the entire project and the Parish constructed the project when funds were appropriated for the remaining portion of the project. Upon completion of the Ames Lift Station, the station was able to handle the maximum flow.



TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Rehabilitation of (6) Pump Stations Zwolle, LA Town of Zwolle 954 S. Main Street Zwolle, LA 71486 Mayor Lopez (318) 645-6141	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	\$450,000	\$450,000

Project Description

The Town of Zwolle, a small rural Town in north Louisiana, was in severe need of rehabilitation of the existing lift stations in their waste water treatment plant collection system. PEEC analyzed the existing conditions and determined that 6 lift stations required immediate rehab in order for the system to operate at an acceptable capacity. PEEC turned the attention of its staff toward securing funds to make the rehabilitation of the lift stations a reality. PEEC was successful in acquiring funding for the Town of Zwolle. ***The project included the rehabilitation of six pump stations (replacement of existing pumps, piping etc.), installation of approximately 1,200 feet of 8-inch force main and the installation of controls for the stations.*** All stations operated at peak capacity after the rehab was complete. In addition to this, PEEC's efficient and expert management of the project allowed the project to be completed without the any cost increase to the system users.



TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Design and Install Catholic Street Sewer Lift Stations Zwolle, LA Town of Zwolle 954 S. Main Street Zwolle, LA 71486 Mayor Lopez (318) 645-6141	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2001	\$565,000	\$565,000

Project Description

The Town of Zwolle is a rural community in northern Louisiana. PEEC focused its energy on securing state funding to design and manage the addition of five new sewer lift stations to the Zwolle waste water collection system. ***The Project included design and management of the installation of (5) new lift stations, installation of 1,400' of 8" force main and control systems for the new lift stations.*** The entire waste water collection system's operation was dramatically improved as a result of this project and numerous residents were able to connect to the central collection system for the first time. PEEC inspection team kept a watchful eye on the installation of all of the Town's new lift stations and force main. Complete and thorough records and photographs of all stages of projects are a routine part of their operational procedures.



TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Design of Sewer Treatment Pond Zwolle, LA Town of Zwolle 954 S. Main Street Zwolle, LA 71486 Mayor Lopez (318) 645-6141	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$1,380,000	\$1,380,000

Project Description

The Town of Zwolle, a small rural Town in north Louisiana, had an oxidation pond which was their form waste water treatment. This pond could not meet DEQ effluent limits for discharge. The Town considered abandoning the pond and constructing a mechanical treatment facility which would have cost \$2.75 million and a high O&M cost. The cost of the facility would have tripled the user fee for the citizens of Zwolle. PEEC conducted a dissolved oxygen profile of the pond and measured the sludge blanket formed in the pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond. After review of the data PEEC recommended a unique design system for the treatment of the 0.5 MGD average flow to reduce ammonia nitrogen, fecal coliform, TSS and BOD utilizing the existing pond.

The pond was divided into (2) cells. One cell acted as an aeration and retention pond. The second cell was used for the reduction of the above-mentioned contaminants. The flow from the second cell was pumped into four individual filter systems and then into a uniquely designed chlorine contact chamber which utilized 10" diameter PVC pipes to obtain contact time. PEEC was able to design and manage this project with no increase in user fees to the citizens of Zwolle.



TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Improvements to Headworks Structure at the Westwego Wastewater Treatment Plant Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger (504) 347-5745	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$1,000,000	\$1,000,000

Project Description

The City of Westwego wastewater treatment plant was built in 1965 and had operated since then without any major renovations. DEQ, after analyzing the plant, imposed fines upon the City of Westwego for failure to meet discharge limits. PEEC studied the situation at the plant and was able to design the plant which allowed the City to meet DEQ regulations.

The rehabilitations to the wastewater treatment plant included installation of a state of the art grit removal system at the headworks and improvement to the ABF tower. These modifications will allow the wastewater treatment plant to operate within compliance.



TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Installation of New Generator at the Westwego Wastewater Treatment Plant Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger (504) 347-5745	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$500,000	\$500,000

Project Description

During Hurricane Katrina, the wastewater treatment plant was shut down for 48 hours. The City of Westwego was unable to secure the funding to install a new generator until 2014. This 650 KW generator maintains treatment of the wastewater system continuously.

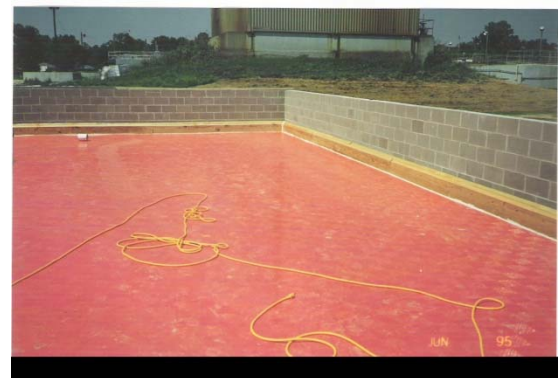


TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Westwego Waste Water Treatment Facility Sludge Drying Bed and Digester Design Westwego, LA City of Westwego 419 Avenue A Westwego, LA 70094 Mayor John Shaddinger (504) 347-5745	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$380,000	\$380,000



Project Description

The City of Westwego wastewater treatment plant was improved by design and construction of a filter bed system and upgrading the digester to capture the gas and improve the overall quality of the sludge removed. These modifications improved the solid waste quality of the waste water treatment plant.



TEC Professional Services Questionnaire

Work by PEEC, Inc. performed directly for or selected by Jefferson Parish

PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Lafitte Library Conversion to the Police Station Project No. 576-26-0028 (331) Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering design of the entire project, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2010	\$550,000	\$550,000
<p>The existing Library at the Town of Lafitte was damaged during Hurricane Katrina and the Parish decided to convert the existing library into a Police Station and construct a new library for the Town of Lafitte. PEEC obtained all necessary data and permits for this project prior to start of construction. PEEC was responsible for application services, preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;">   </div>		

TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Central Avenue Waterline Phase II Project No. 2014-001-WR Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering design of the entire project, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	\$2,000,000	\$2,000,000

Jefferson Parish Government contracted with PEEC to design and install a 12-inch waterline from Karen Avenue to Jefferson Highway along Central Avenue. PEEC obtained topographic surveying and locations of current improvements and utilities located in the area. Geotechnical analysis of the native soils to determine foundation and bedding requirements for the needed waterline was also required. Utilizing this information, the design of a solution was underway. PEEC is responsible for preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection.



TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Mt. Kennedy Drainage Improvements Project No. 2008-035-DR Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$4,000,000	\$4,000,000

Mt. Kennedy is a residential street located on the Westbank of Jefferson Parish, LA. The residents in the area have experienced street flooding during typical rain events and house and automobile flooding during significant rain events. Jefferson Parish Government contracted with PEEC to analyze the situation and determine the best possible solution to the problem. PEEC obtained topographic surveying and locations of current improvements in the area including drainage size and utility location of the drainage area. Geotechnical analysis of the native soils to determine foundation and bedding requirements for any needed drainage upgrades was also required. Utilizing this information, the design of a solution was underway. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. Upon analysis of the existing conditions, collected data and modeling results, PEEC determined the best, most economical solution to the problem. A proposed drainage structure large enough to handle the calculated flow of a ten-year storm with no ponding will be installed at the dead-end area. All undersized existing catch basins and drain lines will be removed and replaced with new RCP pipes and manholes along the existing right of way and outfall into an existing ditch.



TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Johnson Street Drainage Improvements Project No. 2003-038-DR Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2004	\$4,000,000	\$4,000,000

Johnson Street is a residential street located in Metairie, La. The end of the street dead-ends at the rear of a commercial facility. Since the development of the commercial facility, the residents in the area have experienced street flooding during typical rain events and house and automobile flooding during significant rain events. Jefferson Parish Government contracted with PEEC to analyze the situation and determine the best possible solution to the problem. PEEC obtained topographic surveying and locations of current improvements in the area including drainage size and utility location of the drainage area. Geotechnical analysis of the native soils to determine foundation and bedding requirements for any needed drainage upgrades was also required. Utilizing this information, the design of a solution was underway. With the topographic information in hand, PEEC constructed a model of the drainage patterns of the area utilizing HEC-HMS. HEC-RAS was used to analyze the effects of a possible increase of discharge into local drainage ditches. A portion of the proposed improvements had to be located within an existing railroad right of way. PEEC prepared all permit documentation in order to facilitate an entry agreement between Jefferson Parish Government and the Railroad company.

Phase I - Upon analysis of the existing conditions, collected data and modeling results, PEEC determined the best, most economical solution to the problem. A proposed drainage structure large enough to handle the calculated flow of a ten-year storm with no ponding was installed at the dead-end area. 1,250 feet of undersized existing catch basins and drain lines were removed and replaced with 42" RCP along the existing railroad right of way and outfall into an existing ditch. Phase II - Approximately 2,000 of 6x6 box culvert was placed into the existing outfall ditch to enhance flow and drainage of the entire drainage basin.



TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
6 th Street Drainage Improvements Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123	Engineering design of the entire project, hydraulic modeling, cost analysis, permitting, and construction inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2008	\$300,000	\$300,000

6th Street is a residential street located in Marrero, La. The area has experienced street flooding during typical rain events and house and automobile flooding during significant rain events. Jefferson Parish Government contracted with PEEC to analyze the situation and determine the best possible solution to the problem. PEEC obtained topographic surveying and locations of current improvements in the area including drainage size and utility location of the drainage area. Geotechnical analysis of the native soils to determine foundation and bedding requirements for any needed drainage upgrades was also required. PEEC was responsible for application services, preliminary and final design, project plans and specifications, permit approvals, opinion of total project costs, bidding services, construction administration, topographic surveying, geotechnical engineering, and construction inspection.

State of Louisiana



TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.		
Plaintiff:	Parties: Defendant:	Status/Result of Case:
1. NONE		
2.		
3.		
4.		
N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.		
<ol style="list-style-type: none"> 1. Minimum Personnel Requirement: PEEC, Inc. has been providing the most advanced technological solutions for water treatment process to its clients through its well qualified engineers and has performed the projects very efficiently and within budget. As the attached project list attests, PEEC has designed and managed numerous projects of similar size and type. PEEC has been involved as part of several design teams providing its expertise in the design of wastewater treatment and distribution systems. 2. Minimum Equipment Requirement: PEEC, Inc.'s equipment inventory includes latest state-of-the-art equipment. The firm also possesses all the necessary computing, surveying, and computer software to process field data to conduct computer modeling and prepare design reports. PEEC has adequately trained personnel with extensive experience in the operation and field maintenance of all equipment. 3. Professional Qualifications: PEEC, Inc. is staffed with the right mix of engineers, technicians, administrators, and field personnel to successfully complete all types engineering projects. All the engineers listed are Louisiana certified registered engineers with extensive experience in their respective fields. The academic credentials of personnel range from B.S. to Ph.D. in civil, mechanical, electrical, structural, environmental engineering, land surveying, and in biological and geological sciences. Selected personnel also possess certification for underground storage tank (UST) closure, hazardous waste supervision, and as hazardous material technician. The CAD design department of PEEC, Inc. is well staffed with personnel with extensive experience in complex projects. 4. Capacity for Timely Completion of Projects: The current work load of PEEC, Inc. is at the average level it has been for the past 3 years. Accordingly, with our track record of timely completion of projects, we feel that any proposed project will not pose any undue burden on the firm's resources. PEEC has completed all of its previous projects in a timely manner as directed by contract agreements. 		

TEC Professional Services Questionnaire

5. Knowledge of Project Area: PEEC, Inc. is located in Westwego, which is on the West Bank of the Mississippi River, and very close to the project area. The firm has been involved in many projects in the Greater New Orleans Area in the past and is intimately familiar with the project area. All of PEEC, Inc.'s staff also resides in the immediate vicinity of the office location and are as such familiar with the project area. Past engineering projects in the area have helped PEEC in building up an extensive inventory of background technical information on relevant characteristics of the area, which will be invaluable in preparation for the project design tasks.
6. Past Performance: PEEC, Inc. has successfully completed engineering design, construction management, and surveying services for clients such as Jefferson Parish, Town of Grand Isle, St. Tammany Parish, City of Westwego, Grand Isle Independent Levee District, West Jefferson Levee District, Louisiana Department of Natural Resources, City of Morgan City, Texas Parks and Wildlife, Plaquemines Parish, St. Bernard Parish, St. Charles Parish, the Town of Zwolle and numerous private clients in the past. The firm has performed all assigned tasks on or before time and within the allotted budget. PEEC, Inc. will provide further information and references upon request. PEEC has not been involved in any litigation with Jefferson Parish or any present or past clients.
7. Quality Control Plan: PEEC has a Health, Safety, Security, and Environmental Policy (HSSE) in place in accordance with OSHA Standards and Regulations. Mo Saleh, M.S., P.E. (Principal) and Ron Guidry (President) are the Quality Control Managers for all projects. Their responsibilities in this position include manpower scheduling, budgeting, and technical oversight. Background research and engineering design performed by project engineers are checked by the QC Manager. Quality Control also includes verification of sample analysis results with expected value. All drafting output is checked by the QC Manager before submittal. Similarly, all surveying reports are checked, sealed, and signed by the registered land surveyor.
8. STATEMENT OF MAXIMUM FEE: PEEC's rates are established upon contract is awarded or per project but typically do not exceed 15% of the project's construction cost. PEEC will negotiate specific fees on a project-by-project basis with its clients.

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

Signature: Mo Saleh Print Name: Mo Saleh, M.S., P.E.

Title: Principal/Senior Project Engineer Date: March 25, 2022

LIST OF REFERENCES

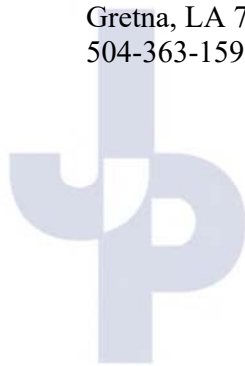
PEEC has been in charge of numerous federally funded projects since 1993. PEEC has been under contract with parishes, municipalities, state agencies, and the private sector including the following (18) clients during the past ten years.

1. Jefferson Parish Government
1221 Elmwood Park Blvd.
Harahan, LA 70123
Mr. Reda Yusef
504-736-6774
2. Plaquemines Parish Government
106 Avenue G
Belle Chasse, LA 70037
Ken Dugas
504-297-5343
3. Texas Parks and Wildlife Department
1502 FM 517
Dickinson, TX 77539
Cherie O'Brien
281-534-0132
4. City of Westwego
419 Avenue A
Westwego, LA 70094
Mayor Joe Peoples
504-347-5745
5. Town of Grand Isle
P.O. Box 200
Grand Isle, LA 70358
Mayor David Camardelle
985-787-3196
6. Grand Isle Port Commission
P.O. Box 500
Grand Isle, LA 70358
Wayne Keller
985-787-2229
7. Grand Isle Levee Board
P.O. Box 757
Grand Isle, LA 70358
David Camardelle
985-787-3955

8. St. Charles Parish Government
301 Third Street
Luling, LA 70070
Sam Scholle
Director of Public Works/Wastewater
985-783-5102
9. St. Martin Parish Government
301 West Port Street
P.O. Box 9
St. Martinville, LA 70582
Guy Cormier
Parish President
337-394-2200
10. Town of Zwolle
P.O. Box 546
Zwolle, LA 71486
Mayor Roger Lopez
318-654-6141
11. St. Tammany Parish Government
P.O.Box628
Covington, LA 70434
Mr. Bill Oiler, CEO
985-898-2445
12. Town of Sarepta
P.O. Box 338
Sarepta, LA 71071
Mayor E. L. Edwards
318-847-4333
13. Port of South Louisiana
171 Belle Terre Boulevard
Laplace, LA 70068
Joel Chaisson
985-652-9278
14. St. Bernard Parish Government
1125 East St. Bernard Highway
Chalmette, LA 70043
Logan Martin
504-278-4317
15. City of Patterson
1314 Main Street
Patterson, LA 70392
Mayor Rodney Grogan
985-395-5205

Jefferson
Parish
State of Louisiana

16. City of Morgan City
512 1st Street
Morgan City, LA 70380
Mayor Frank Grizzaffi, III
985-385-1770
17. St. James Parish Government
1910 W. Main Street
Lutcher, LA 70071
Jody Chenier
Director of Operations
225-869-5642
18. City of Gretna
Mayor Ronnie C. Harris
P.O. Box 404
Gretna, LA 70054
504-363-1599



Jefferson
Parish
State of Louisiana



PROFESSIONAL ENGINEERING AND ENVIRONMENTAL CONSULTANTS, INC.

Engineers | Planners | Environmental Consultants



SERVICES

Since 1993, PEEC has provided a full range of professional engineering services to clients throughout the Gulf Coast region. Our technical team provides solutions to diverse engineering challenges, from civil and environmental engineering, to coastal restoration initiatives, to construction management. Our approach allows our clients to benefit from the latest technology, innovative solutions, and cost effective ideas. PEEC integrates the appropriate resources and technologies for each client, every time.

CUSTOMIZING PROJECTS TO FIT THE CLIENT'S NEEDS

Our team of experts performs in-depth feasibility studies that consider all aspects of the project. During this fact-finding phase, our team of experts analyze how the project will affect the environment and community stakeholders. This comprehensive review allows us to present options that truly match our clients' needs.

FINDING THE FUNDS TO MAKE PROJECTS HAPPEN

When necessary, our staff identifies state and federal funding sources and helps the client secure all needed grants and loans. This service has enabled many of our clients' projects to move from concept to reality.

MANAGING CONSTRUCTION TO ENSURE SUCCESS

Once our design has been completed and funding has been obtained, we monitor the construction process to make sure that the contractor implements the project in accordance with all approved plans. A pre-bid conference and monthly construction meetings with the contractor are all standard features of PEEC's construction management service. In this way, our staff keeps project construction on schedule and within budget.

MAXIMIZING RESOURCES THROUGH PROGRAM MANAGEMENT

In addition to construction of one-time projects, PEEC's team also takes a comprehensive look at client infrastructure and offers long-term strategies for making these systems work more efficiently. Our staff makes recommendations about revenue streams, links with economic development, options for improvement in energy efficiency, land use planning, and system operation and maintenance. For example, our assessment of the City of Westwego's sewerage system involved examination of fees, insurance rates, licensing needs, and employee management structure as well as technical recommendations for improving the system's effectiveness.

Civil Engineering

PEEC has a proven track record of providing the infrastructure that Gulf Coast communities need. Our diverse and experienced staff is skilled in civil, electrical, mechanical, and construction management, enabling us to direct projects from inception to completion.

Clients

- | | |
|------------------------------|----------------------|
| ▣ St. Tammany Parish | ▣ City of Westwego |
| ▣ Grand Isle Levee Board | ▣ Town of Grand Isle |
| ▣ Grand Isle Port Commission | ▣ Town of Zwolle |
| ▣ Plaquemines Parish | ▣ Jefferson Parish |
| ▣ West Jefferson Levee Board | ▣ St. Charles Parish |

Structural

Building strong, building smart — these are watchwords for new construction in the hurricane-prone Gulf Coast. PEEC's approach to structural projects ensures that the finished product exceeds the client's expectations — not just at the ribbon cutting but for many storm seasons to come.

Clients

- | | |
|---------------------------------|----------------------|
| ▣ City of Westwego | ▣ Town of Zwolle |
| ▣ Jefferson Parish | ▣ Town of Grand Isle |
| ▣ Jefferson Parish School Board | ▣ Plaquemines Parish |
| ▣ St. Tammany Parish | |



Drainage Pump Station — Belle Chasse, Louisiana

LONG-TERM PLANNING YIELDS RESULTS

In Belle Chasse, PEEC developed a master drainage plan using hydraulic modeling and aerial photography to analyze the community's needs. Our plan presented solutions for reducing flooding and preventing property damage. Once the plan was approved, PEEC designed and constructed several projects, including improvements to a major canal that drained the majority of the lower Belle Chasse drainage basin. Our design for slope paving stopped recurring flooding and protected nearby homes from subsidence caused by changes in the water table.

PROBLEM SOLVING IMPROVES PARISH PUMPING STATION

PEEC's upgrade of the drainage pumps in Plaquemines Parish required a fraction of the budget that other firms proposed. By constructing a steel frame inside the pumping station, among other methods, we were able not only to preserve the original building but keep the pumps in operation while a new diesel engine was installed. The frame was left in place so that the parish can use the same cost effective system whenever the station's engines need to be replaced.

Civil Engineering Services

- ▣ Drainage System
- ▣ Drainage System Design
- ▣ Stormwater Analysis
- ▣ Hydraulic Modeling
- ▣ Pump Station Design
- ▣ Roadway Design
- ▣ Levee System Design
- ▣ Site Development
- ▣ Local, State, and Federal Funding Assistance
- ▣ Construction Management



Parish Government Facility — St. Tammany Parish, Louisiana

PRIZE-WINNING DESIGN GIVES MAXIMUM FLEXIBILITY TO CLIENT

Our design and construction of the St. Tammany Parish Government facility won the 1999 Award for Excellence from Associated Builders and Contractors, Inc. Our steel frame design provided an attractive, versatile space that allows the parish to simultaneously use the building as a satellite center for a regional university, a library, and a medical facility.

HISTORICAL PROPERTY RETURNED TO COMMERCE

Our restoration of a former corner store into the Westwego Historical Museum converted a blighted property into the centerpiece of a new tourist district. PEEC completely restored the turn-of-the-century general store, furnished a period upstairs living quarters, and created a main exhibit area. Since opening its doors in 2000, the museum has welcomed thousands of visitors from around the world.

Structural Services

- ▣ Bridges — Wooden, Concrete, Steel, and Precast — Design and Construction Management
- ▣ Commercial Facility Design and Construction Management
- ▣ Industrial Facility Design and Construction Management
- ▣ Governmental Facilities and Complex Design and Construction Management and Repair

Environmental

We bring our expertise to bear on all of the Gulf Coast's most difficult environmental remediation and permitting challenges. Long-standing relationships with regulators allow us to expedite paperwork and pinpoint optimal grant sources, allowing our clients to focus less on red tape and more on improving quality of life for their customers and constituents.



Sludge Volume Reduction and Cleanup – City of Westwego

Environmental Services

- ▣ 404 Permit Acquisition
- ▣ Wetland Delineation Determination
- ▣ Environmental Impact Statement
- ▣ Environmental Impact Analysis
- ▣ Air Quality Permit
- ▣ MWPP
- ▣ MS4 Permit Acquisition
- ▣ NPDES/LPDES Acquisition
- ▣ Needs and Alternative Analysis
- ▣ Phase I and II Environmental Site Assessment
- ▣ Brownfield Assessment and Remediation

Clients

- ▣ Citrus Land Company
- ▣ City of Westwego
- ▣ City of Gretna
- ▣ CLL Limited Partnership, Ltd.
- ▣ Daybrook Fisheries
- ▣ Dixie Machine Welding and Metal Works, Inc.
- ▣ Grand Isle Port Commission
- ▣ St. Tammany Parish

BROWNFIELDS REDEVELOPMENT EXPANDS LOCAL ECONOMIES

PEEC secured \$1.5 million in total EPA Brownfields Funds for the Cities of Gretna and Westwego, Louisiana. Our staff followed up this fundraising success with action on the ground, converting formerly contaminated and abandoned properties into productive sites that are now used for a variety of industrial, recreational, and government uses. The former Malter Chemical site is now slated to be the site of an expanded McCormick Foods facility.

ASBESTOS REMOVAL ALLOWS EXTENSION OF VITAL ROADWAY

PEEC directed the removal of asbestos along a key traffic corridor in Gretna, Louisiana. Until our remediation was complete, a state financed extension of this corridor could not be completed.

ENVIRONMENTAL ASSESSMENT AND CLEANUP CONVERT EYESORE INTO VIABLE PROPERTY

PEEC worked with the City of Westwego and citizens to clean up a long-standing hazardous waste site. Now that underground storage tanks, illegal dumping spills, and other contaminated materials have been removed, the city is planning to use the property for the site of the new City Hall.



Wetland Creation Project – Galveston, Texas

BENEFICIAL USE OF DREDGED MATERIAL PROTECTS SENSITIVE TIDAL ECOSYSTEM

PEEC designed and constructed a 230-acre marsh creation project in Galveston Bay. Our team of experts created 47 half-acre mounds of dredged material planted with vegetation and protected the mounds with breakwaters made of geotubes. Galveston Bay experiences high wave action every day, and in 2008 Hurricane Gustav sent a tidal surge through the area. Our project remained intact despite the storm, while adjacent, unprotected marsh areas were destroyed.

TERRACING PROJECT CREATES NEW MARSH

An open water area just south of Port Arthur, Texas, Bessie Heights was once the site of healthy wetlands. PEEC restored 100 acres of marsh in Bessie Heights using dredged material arranged in terraces. The project was built in 2002 and remains structurally sound, despite the wave action created by Hurricanes Katrina, Rita, Gustav, and Ike. We expect that the project will eventually build more than 200 acres of wetlands.

BREAKWATER SYSTEM PROTECTS COAST WHILE ALLOWING NATURAL ECOSYSTEM FUNCTION

PEEC designed a four mile long breakwater system for Grand Isle with a special overlapping design that allows tidal fluctuations to pass through. At the same time, the breakwaters protect the island from storm surge and help reduce erosion. The project was built in 1998 and is functioning as designed despite numerous hits from severe hurricanes.

Coastal

With wetlands being lost every day and hurricanes arriving in force, the Gulf Coast is ground zero for coastal restoration. PEEC has been at the forefront of the movement to preserve the region's wetlands, and we have successfully implemented unique solutions in a variety of storm-prone habitats.

Coastal Services

- ▣ Marsh Creation
- ▣ Marsh Enhancement
- ▣ Marsh Protection
- ▣ Barrier Island Protection
- ▣ Levee System Design and Construction
- ▣ Levee System Upgrade and Repair
- ▣ Breakwater System Design and Construction
- ▣ Marsh Management

Clients

- ▣ Grand Isle Levee District
- ▣ Louisiana Department of Natural Resources
- ▣ Plaquemines Parish Government
- ▣ Texas Parks and Wildlife Department
- ▣ Town of Grand Isle



Breakwater System – Town of Grand Isle, Louisiana

Water

Sending water where it needs to go—PEEC has pioneered several techniques, now in use throughout the region, to make sure our clients have the water resources when and where they need them.



New Water Line – Town of Grand Isle, Louisiana

Water Services

- ▣ Hydrogeology/Groundwater Modeling
- ▣ Water Well Design
- ▣ Water Intake Structure Design, Construction, and Repair
- ▣ Water Treatment Services
- ▣ Water Distribution Systems
- ▣ Lake and Reservoir Water Quality Management
- ▣ Storm Water Permitting and Compliance
- ▣ Water Resources Management/Water Rights Strategies
- ▣ Water Supply Planning
- ▣ Watershed Management/Source Protection

Clients

- | | |
|----------------------|----------------------|
| ▣ City of Westwego | ▣ Town of Zwolle |
| ▣ Jefferson Parish | ▣ St. Charles Parish |
| ▣ Town of Grand Isle | ▣ Plaquemines Parish |



New Water Line – Town of Grand Isle, Louisiana

NEW WATER LINE BRINGS CLEAN WATER, ECONOMIC GROWTH TO TOWN

Grand Isle, Louisiana's only inhabited island, is a community of 1500 people that had no direct source of potable water. Residents were forced to purchase water, at high rates. A lack of potable water also made it difficult to accommodate the many tourists who visited the island. In 1999, PEEC installed a 32-mile water line that piped in treated Mississippi River water from Jefferson Parish to Grand Isle, using an innovative design that maximized the line's durability. Now the town's residents receive up to two million gallons of water a day at a fraction of the rate charged by previous sources. Since the line was installed, eco-tourism in Grand Isle has doubled.

STREAMLINED SOLUTION PROVIDES MODEL FOR REGION

Grand Isle's water distribution system was at the breaking point when PEEC was hired to bring the system back up to full strength. Along with other measures, we repaired the system's main pipe, whose diameter had shrunk to only six inches due to build up in the line. We used a specialized cleaning device normally used for oil pipelines to clean out the pipe. Our method effectively doubled the pipe's capacity and is now used by municipalities throughout the area to keep water systems functioning at optimal levels.



Wastewater Treatment Plant – Zwolle, Louisiana

MICROBIAL ROCK PLANT FILTER PROVIDES CLEAN WATER AT LOW COST TO PARISH

A wastewater treatment plant in St. Tammany Parish was not meeting EPA effluent limits. Rather than constructing a costly new plant, PEEC used a design that employed crushed stone and rock already available within the parish. The four-acre treatment facility was designed to handle 1.5 million gallons of wastewater per day and provided an effluent quality in full compliance with all state and federal regulations.

SUSTAINABLE MEASURES REDUCE POLLUTANTS AND REDUCE PROJECT BUDGET

The town of Zwolle needed to improve the water quality of a 14.5-acre oxidation pond. PEEC designed a system using plants, which removed nitrogen and added oxygen to the wastewater, thereby cleaning the pond at low cost, with minimal disruption to the neighboring environment.

MICROBIAL APPLICATION PRODUCES WIN-WIN SOLUTION

The city of Westwego had a wastewater facility that was under functioning due to high sludge volume. PEEC reduced this volume by 50% using an application of specialized microorganisms. In a second phase, we used the microbial detritus this process created and used it as beneficial material for nearby earthen levee tops. The microbial sludge acted as fertilizer, spurring massive vegetation growth, which in turn reduced erosion on the levee and improved the city's storm protection system.

Wastewater

Wastewater challenges have provided PEEC with opportunities to use innovative and green technologies that not only produce clean effluent, they improve the surrounding environment — all while achieving significant cost savings for our clients.

Sewer Services

- ▣ Combined Sewer Overflow
- ▣ Design and Rehabilitation of Collection Systems
- ▣ Design and Rehabilitation of Treatment Systems
- ▣ Operability Design Reviews
- ▣ Operations Services
- ▣ Start-up Assistance
- ▣ Inflow/Infiltration Study

Clients

- | | |
|----------------------|----------------------|
| ▣ City of Westwego | ▣ Town of Sarepta |
| ▣ St. Tammany Parish | ▣ Jefferson Parish |
| ▣ Town of Zwolle | ▣ Plaquemines Parish |
| ▣ U.S. Steel | |



Wastewater Treatment Plant – City of Westwego, Louisiana

PEEC, INC.

CIVIL

- Drainage System
- Drainage System Design
- Stormwater Analysis
- Hydraulic Modeling
- Pump Station Design
- Roadway Design
- Levee System Design
- Site Development
- Local, State, and Federal Funding Assistance
- Construction Management

STRUCTURAL

- Bridges—Wooden, Concrete, Steel, and Precast—Design and Construction Management
- Commercial Facility Design and Construction Management
- Industrial Facility Design and Construction Management
- Governmental Facilities and Complex Design and Construction Management

ENVIRONMENTAL

- 404 Permit Acquisition
- Wetland Delineation Determination
- Environmental Impact Statement
- Environmental Impact Analysis
- Air Quality Permit
- MWPP
- MS4 Permit Acquisition
- NPDES/LPDES Acquisition
- Needs and Alternative Analysis
- Phase I and II Environmental Site Assessment
- Brownfield Assessment and Remediation

COASTAL

- Marsh Creation
- Marsh Enhancement
- Marsh Protection
- Barrier Island Protection
- Levee System Design and Construction
- Levee System Upgrade and Repair
- Breakwater System Design and Construction
- Marsh Management

WATER

- Hydrogeology/ Groundwater Modeling
- Water Well Design
- Water Intake Structure Design, Construction, and Repair
- Water Treatment Services
- Water Distribution Systems
- Lake and Reservoir Water Quality Management
- Storm Water Permitting and Compliance
- Water Resources Management/Water Rights Strategies
- Water Supply Planning
- Watershed Management/ Source Protection

WASTEWATER

- Combined Sewer Overflow
- Design and Rehabilitation of Collection Systems
- Design and Rehabilitation of Treatment Systems
- Operability Design Reviews
- Operations Services
- Start-up Assistance
- Inflow/Infiltration Study



PROFESSIONAL
ENGINEERING AND
ENVIRONMENTAL
CONSULTANTS, INC.

1065 Muller Parkway, Suite B
Westwego, LA 70094

www.pecinc.com
P | 504-347-1900
F | 504-341-5600
E | postmaster@pecinc.com



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Professional Engineering and Environmental Consultants, Inc.

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

This certification is valid from 7/26/2021 to 7/26/2022 .

Certification No. 20386

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

Stephanie Hartman,
Director, Entrepreneurial Services



Division of Small and Emerging Business Development
SEBD CERTIFICATION

Professional Engineering and Environmental Consultants, Inc.

is hereby certified as a Small and Emerging Business Enterprise.

This certification is valid beginning 7/26/2021 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 7/26/2021

This certification expires on: 7/26/2031

Certification No. 20386

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

Stephanie Hartman,
Director, Entrepreneurial Services

**Jefferson Parish TEC
Professional Services Questionnaire**

For

BFM Corporation, LLC

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Sewer Projects

SOQ 22-010 | Resolution No. 138812

B. Firm Name & Address:



BFM
CORPORATION, LLC
Professional Land & Hydrographic Surveying

BFM Corporation, LLC

15 Veterans Memorial Boulevard
Kenner LA 70062

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

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

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

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

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

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

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

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

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

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

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

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

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

TEC Professional Services Questionnaire

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

1. **N/A**

2.

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

YES _____ NO _____ **N/A**

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

- Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman), Marrero, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Sewer Lift Station Upgrades (5th Avenue and 9th Street), Harvey, Jefferson Parish, LA
- Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA
- Lift Station F8-3, Metairie, Jefferson Parish, LA
- Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA
- Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA
- Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA
- Kennedy Heights Sewer Lift Station C9-2 (Live Oak Boulevard), Westwego, Jefferson Parish, LA
- Haring Ditch Sewer Improvements, Jefferson Parish, LA
- Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA
- Live Oak Manor Sewer Improvements, Jefferson Parish, LA
- Bucktown Harbor Sewer Upgrade Survey, Jefferson/Orleans Parishes, LA
- Sewer Force Main, Kent Avenue to Transcontinental, City of Kenner, Jefferson Parish, LA
- Sewer Force Main at the JEDCO Business Park, Jefferson, LA
- Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA
- Lift Station E3-2 (Elmwood & Citrus), Metairie, Jefferson Parish, LA
- Lift Station K-11-3, Marrero, Jefferson Parish, LA
- Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA
- Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA
- Churchill Farms Sewer Force Main, JEDCO Business Park Southeast Land District, Jefferson Parish, LA
- East Bank Sewer Treatment Plant, Jefferson Parish, LA
- Lift Station E5-4, Jefferson Parish, LA
- Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA
- West Napoleon Avenue Sewage Treatment Plant, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA
- Lift Station F7-12 (Grace King and Rockford), Metairie, Jefferson Parish, LA
- Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA
- G6-4A Sewage Treatment Plant, Jefferson Parish, LA
- Helios Sewage Treatment Plant, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Transcontinental & Wabash Sewer Treatment Plant, Jefferson Parish, LA
- Effluent Pump Station & Structures at Harvey Wastewater Treatment Plant, Jefferson Parish, LA
- Hanson City Area Force Main Improvements, Kenner, Jefferson Parish, LA

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

BFM Corporation projects overseen by Mr. Poché would include:

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

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

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

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John Philip Thayer Field Operations Supervisor
Project Assignment:
Field Operations Supervisor
Name of Firm with which associated:
 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:
<i>Professional Land Surveyor Registration in process, State of Louisiana</i>
Other experience and qualifications relevant to the proposed Project:
<p>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.</p> <p>Haring Ditch Sewer Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which involved the servitude parallel and east of Haring Ditch from Quincy to the northern right-of-way of Interstate 10, then from the northern right-of-way of Interstate 10 to Kent and from Kawanee to Quincy. (\$33,908 (fee); 2010)</p> <p>Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA. BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$24,190 (fee); 2018)</p> <p>Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2021)</p>

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

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

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

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

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

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Gary J. Lambert, Jr., PLS

Registered Professional Land Surveyor

Project Assignment:

Registered Professional Land Surveyor; Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

B.S., 2018, Geomatics, Nicholls State University

B.S., 2014, Construction Management, Louisiana State University

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

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

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Christopher Lemley Quality Control Supervisor</p>
Project Assignment:
<p>Quality Control Supervisor</p>
Name of Firm with which associated:

Years experience with this Firm:
<p>8 years (joined BFM in 2014); 16 years total (2006)</p>
Education: Degree(s)/Year/Specialization:
<p><i>High School Diploma</i></p>
Active registration: Year first registered/discipline:
<p>N/A</p>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. 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.</p> <p>Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided surveying services for the Kennedy Heights Lift Station project, located on Live Oak Boulevard, in Jefferson Parish. The project's scope of services included boundary and topographic surveying of the project site. Research included obtaining available title data and courthouse research (as needed) to obtain servitudes for utilities or pipelines adjacent to the site. Field surveying included a closed traverse around the site, noting any existing monumentation. (\$4,520 (fee); 2017)</p> <p>Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2021)</p> <p>Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA. BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$24,190 (fee); 2018)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Thomas O. Wright
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Curtis "Jay" Barrios Survey Crew Chief
Project Assignment:
Survey Crew Chief
Name of Firm with which associated:
 Professional Land & Hydrographic Surveying
Years experience with this Firm:
32 years (joined BFM in 1990); 32 years total (1990)
Education: Degree(s)/Year/Specialization:
<i>High School Diploma</i>
Active registration: Year first registered/discipline:
<i>American Traffic Safety Service Assn. – Traffic Flagger Transportation Work Identification Card (TWIC)</i>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Barrios' surveying experience includes boundary, hydrographic, and topographic. He has worked on location and performed topographic surveys for a number of major projects.</p> <p>Haring Ditch Sewer Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which involved the servitude parallel and east of Haring Ditch from Quincy to the northern right-of-way of Interstate 10, then from the northern right-of-way of Interstate 10 to Kent and from Kawanee to Quincy. (\$33,908 (fee); 2010)</p> <p>Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations. (\$22,860 (fee); 2016)</p> <p>Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA. BFM provided topographic surveying services for sewerage improvements projects on multiple roadways in Jefferson Parish, including Magnolia Court, Chetta Drive, Lisa Drive, and Power Boulevard. (\$25,101 (fee); 2012)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Gladney
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jeff Patin

Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Transportation Work Identification Card (TWIC)


Other experience and qualifications relevant to the proposed Project:

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Anthony Watson CADD Technician</p>
Project Assignment:
<p>CADD Technician</p>
Name of Firm with which associated:

Years experience with this Firm:
<p>11 years (joined BFM in 2011); 31 years total (1992)</p>
Education: Degree(s)/Year/Specialization:
<p><i>Coursework - CAD, Avatech Solutions, Los Colinas, TX</i></p>
Active registration: Year first registered/discipline:
<p>NA</p>
Other experience and qualifications relevant to the proposed Project:
<p>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.</p> <p>Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA. BFM provided topographic surveying services for sewerage improvements projects on multiple roadways in Jefferson Parish, including Magnolia Court, Chetta Drive, Lisa Drive, and Power Boulevard. (\$25,101 (fee); 2012)</p> <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (R/W). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> <p>Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) (\$11,710 (fee); 2019)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Shaun Clements

CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA


Other experience and qualifications relevant to the proposed Project:

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Kevin A. Roberts CADD Technician</p>
Project Assignment:
<p>CADD Technician</p>
Name of Firm with which associated:
 <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p>
Years experience with this Firm:
<p>4 years (joined BFM in 2018); 37 years total (1985)</p>
Education: Degree(s)/Year/Specialization:
<p>A.D., 1999, Drafting & Design, Louisiana Technical College <i>Coursework, 1994-1997, Nunez Community College</i> <i>Coursework, 1984-1988, Delgado Community College</i> <i>Coursework, 1982-1983, University of New Orleans</i></p>
Active registration: Year first registered/discipline:
<p>NA</p>
Other experience and qualifications relevant to the proposed Project:
<p>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.</p> <p>Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA. BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. BFM located property corners on the subject property and adjacent parcels to verify the boundary, setting any property corners on the subject property which were not found. (\$2,970 (fee); 2021)</p> <p>Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2021)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

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

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

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location, and Owner's Contact Information:		Nature of Firm's Responsibility:	
Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway , Marrero, Jefferson Parish, Louisiana Richard C Lambert, Consulting Engineers 900 W Causeway Approach Mandeville LA 70471 Franz J. Zemmer, P.E. , 985-727-4440 fzemmer@rclconsultants.com		BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2021 February		N/A	\$4,140 (fee)

PROJECT NO. 2

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lift Station D4-2 and Proposed D4-2B Surveying Services , Metairie, Jefferson Parish, Louisiana Principal Engineering 1011 N. Causeway Blvd Suite 19 Mandeville LA 70471 Courtney I. Dickerson, P.E. , 985-624-5001 courtney@pi-aec.com	BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 October	N/A	\$22,860 (fee)

TEC Professional Services Questionnaire

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

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, Louisiana H. Davis Cole & Associates, Inc. 1340 Poydras Street Suite 1850 New Orleans LA 70112 David Martin, P.E., 504-836-2020 dmartin@hdaviscole.com	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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 February	N/A	\$8,790 (fee)

TEC Professional Services Questionnaire

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

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

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

BFM CORPORATION, LLC

Professional Land & Hydrographic Surveying

CRITERIA 1 • PROFESSIONAL TRAINING AND RELEVANT PROJECT EXPERIENCE

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

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

Our capabilities include the following and more:

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

TEC Professional Services Questionnaire

N. continued.

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

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

Our **Survey Field Crews** are equipped with Leica Viva and Leica Captivate Data Collectors, as well as Leica GPS Smart Antennas. Each GPS unit is linked to the Leica SmartNet Network, giving each crew the ability for Real Time Kinematic Positioning (RTK), derived from the Global Navigation Satellite System (GNSS). Furthermore, each crew is outfitted with Leica TS series robotic total stations, simplifying and expediting projects. BFM can also use in-house drones and 3D scanners to further analyze sites and projects. BFM's crews are trained to use this equipment to its full potential to maximize accuracy and efficiency in the field.

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

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

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

CRITERIA 6 • SIZE OF FIRM

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

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

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

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

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

Signature: _____

Print Name: _____

Chad M. Poché, P.E.

Title: _____

Executive Vice President

Date: _____

March 14, 2022

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

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

License/Certificate Information w/ Supervision

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



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

Mr. Ralph P. Fontcuberta Jr.

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

Status: **Active**



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

Mr. Chad Mitchell Poche

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

Status: **Active**



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

Mr. Gary James Lambert Jr.

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

Status: **Active**



Division of Small and Emerging Business Development
SEBD CERTIFICATION

BFM CORPORATION, LLC

is hereby certified as a Small and Emerging Business Enterprise.

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

Issued at Baton Rouge, Louisiana 7/19/2019

This certification expires on: 7/19/2029

Certification No. 9551

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



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

BFM CORPORATION, LLC

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

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

Certification No. 9551

Stephanie Hartman,
Director, Small Business Services

**Jefferson Parish TEC
Professional Services Questionnaire**

For

Gulf South Engineering and Testing, Inc.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Sewer Projects

SOQ 22-010 | Resolution No. 138812

B. Firm Name & Address:



Gulf South Engineering and Testing, Inc.

15 Veterans Memorial Boulevard

Kenner LA 70062

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

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

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

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

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

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

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

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

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

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

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

32* TOTAL

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

YES _____ NO _____ N/A

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.
Vice-President

Project Assignment:

Engineering Manager; Geotechnical Engineer

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

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

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

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Blake E. Vutera, P.E. Engineering Manager</p>
Project Assignment:
<p>Geotechnical Engineer</p>
Name of Firm with which associated:
<div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>
Years experience with this Firm:
<p>10 years with this firm (2012); 16 years total (2006)</p>
Education: Degree(s)/Year/Specialization:
<p>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</p>
Active registration: Year first registered/discipline:
<p>2013, Civil Engineer, Louisiana, No. 38607 2018, Professional Engineer, Texas No. 129410</p>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Vutera serves as Gulf South's Engineering Manager and is based in Gulf South's Kenner, LA office. His experience with the firm includes daily work on geotechnical engineering projects as well as managing all geotechnical investigations and providing assistance with laboratory testing and construction materials testing and inspection. Engineering analyses that Mr. Vutera routinely performs include: shallow and deep foundations, slope stability analyses, settlement estimates, and pavement design. He is responsible for engineering design, report preparation, proposal preparation, personnel management, project management, and client interaction.</p> <p>Mr. Vutera's field work consists of borehole logging; installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); pavement coring; nuclear field density tests; and hand augers. Mr. Vutera has been the geotechnical engineer of record for hundreds of projects throughout his career.</p> <p>New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA. Geotechnical investigation for the construction of a new lift station near Melrose Lane and Walter Road in River Ridge, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab</p>

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Joseph H. "Trey" Binder, III Laboratory Manager	
Project Assignment:	
Laboratory Manager; Laboratory Technician	
Name of Firm with which associated:	
<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>Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2020)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> 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)

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

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<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>Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2020)</p> <p>Ole Miss Sewer Force Main, City of Kenner, LA. Geotechnical engineering services for the construction of a new sewer force main along Ole Miss Drive from the John Hopkins Lift Station to 35th Street within Kenner, LA. The force main will be 10-inches in diameter, approximately 2,100 linear feet, and installed 10 to 15</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)

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

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

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<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>Firehouse Road Sewer Force Main Replacement, Kenner, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction for a new sewer force main for Jefferson Parish in Kenner, LA. Gulf South's scope of work included field density tests, earthwork inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)</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)

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

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

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<div style="display: flex; flex-direction: column; align-items: center;"> <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> <p>Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2020)</p> <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. Gulf South's scope includes drilling a single 80 ft. undisturbed soil boring, lab testing, and engineering analyses including below grade foundation recommendations, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction procedures and recommendations. (\$7,900 (fee); 2019)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> ISTC basic, Entergy PowerSafe CDL A Class Driver's License (exp 11/2024) </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ross L. White (continued)

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

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<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>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> <p>Ole Miss Sewer Force Main, City of Kenner, LA. Geotechnical engineering services for the construction of a new sewer force main along Ole Miss Drive from the John Hopkins Lift Station to 35th Street within Kenner, LA. The force main was 10-in in diameter, approximately 2,100 lf, and installed 10 to 15 feet deep via directional drilling. Gulf South's scope includes drilling four undisturbed soil borings to depths of 20 ft bgs, laboratory testing, engineering analyses and general construction procedures and recommendations. (Kenner PW-2020-2-SW) (\$8,000 (fee); 2021)</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:	
Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, Jefferson Parish, Louisiana Shread-Kuyrkendall & Associates, Inc. 104 Campus Drive East, Suite 102 Destrehan LA 70047 Steve P. Breeding, P.E., 985-764-4060 sbreeding@skaengr.com		Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2019		N/A	\$15,000 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:		Nature of Firm's Responsibility:	
Patriot Street Lift Station, Metairie, Jefferson Parish, Louisiana Jefferson Parish Public Works Department 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123 Reda M. Youssef, P.E., 504-736-6783 JPPW@jeffparish.net		Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2016		N/A	\$30,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, Louisiana Jefferson Parish Public Works Department 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123 Reda M. Youssef, P.E., 504-736-6783 JPPW@jeffparish.net	Project consisted of the construction of several thousand linear feet of sewer force main for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	\$10,000 (fee)

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

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
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	N/A	\$8,500 (fee)

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

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



CRITERIA 1 • PROFESSIONAL TRAINING AND RELATED EXPERIENCE

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

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

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

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

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

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

Field Investigation Services

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

Laboratory Testing Services

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

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

Construction Materials Testing & Inspection

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

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

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

CRITERIA 6 • SIZE OF FIRM

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

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

- *Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA*
- *New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, LA*
- *Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA*
- *N. Sibley Drainage Improvements (N. Sibley at W. Napoleon), Metairie, Jefferson Parish, LA*
- *Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA*
- *Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA*
- *Jefferson Parish Dept. of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA*
- *New Charter School, Behrman Highway, Terrytown, Jefferson Parish, LA*
- *Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA*
- *Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA*
- *Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA*
- *Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, Jefferson Parish, LA*
- *Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA*
- *West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA*
- *Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA*
- *Westgate Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Bike Path Soil Borings, Jefferson Highway to Northline Street, Jefferson Parish, LA*
- *Green Acres Road - New Street Lighting, Metairie, Jefferson Parish, LA*
- *New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA*
- *New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA*
- *Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA*

TEC Professional Services Questionnaire

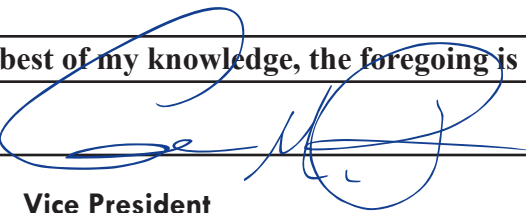
N. continued.

- Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA
- Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA
- Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA
- New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA
- St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA
- Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA
- Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA
- Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA
- Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA
- Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, LA
- Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA
- Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA
- St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA
- Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA
- David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA
- Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA
- New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA
- Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA
- Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA

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

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

Signature:



Print Name:

Chad M. Poché, P.E.

Title:

Vice President

Date:

March 10, 2022

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

Name:

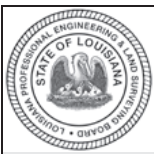
Gulf South Engineering and Testing, Inc.

Public Address:

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

License/Certificate Information w/ Supervision

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



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

Mr. Chad Mitchell Poche

License/Certificate Type - Number

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