

STATEMENT OF QUALIFICATIONS  
TO PROVIDE ROUTINE ENGINEERING SERVICES  
FOR STREETS PROJECTS IN  
JEFFERSON PARISH  
RESOLUTION NO. 144319



JULY 16, 2024

Prepared By:





July 16, 2024

Jefferson Parish Purchasing Department  
C/O Mr. Mark Buttery, Purchasing Specialist II  
Jefferson Parish General Government Building  
200 Derbigny Street, Suite 4400  
Gretna, LA 70053

**RE: ROUTINE ENGINEERING SERVICES FOR  
STREETS PROJECTS IN JEFFERSON PARISH  
RESOLUTION NO. 144319**

Dear Mr. Buttery,

It is our pleasure to submit this response to Jefferson Parish Council's Request for Qualifications for Routine Engineering Services for Streets Projects in Jefferson Parish for a Two-Year Period. PEEC, Inc. is a Civil and Environmental Engineering firm with over 31 years of experience in regard to design of streets and roadway systems, including new roadways, bridges, intersections, geometric layouts and computer modeling. 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.

Our technical ideas and engineering services for roadway design improvements have been used for numerous parishes and municipalities in southeast Louisiana including:

- Design of Johnson Street Drainage Improvements in Jefferson Parish, LA
- Design of Mt. Kennedy Street Drainage Improvements in Jefferson Parish, LA
- King Henry Estates Subdivision Drainage Improvements in Jefferson Parish, LA
- Diversified Foods Drive Roadway Construction in St. Tammany Parish, LA
- Stabilization of Tidewater Road in Plaquemines Parish, LA
- Four Lane New Roadway Project and Modification to the Intersection of LA Highway 1085 and 1077 in St. Tammany Parish, LA
- F. Edward Hebert Blvd. Roadway Design in Plaquemines Parish, LA
- Design of the Roundabout for LA Highway 1085 at Spice Road in St. Tammany Parish, LA
- Design of the Roundabout at Intersection of LA Highway 1085 and LA Highway 21 in St. Tammany Parish, LA
- Design of Roundabout for Roundabout LA Highway 1077 at Northpointe Road in St. Tammany Parish, LA

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 Streets projects. If you have any questions regarding this matter, please contact our office at (504) 347-1900.

Sincerely,

A handwritten signature in blue ink that reads "Mo Saleh". The signature is written in a cursive, flowing style.

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

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## **Executive Summary of Qualifications**

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 providing convenient access to the Parish and project sites. Our firm is very knowledgeable and experienced with roadway and drainage system design, planning, construction management, and project administration making PEEC a highly qualified firm to provide Routine Engineering Services for Streets Projects in Jefferson Parish.

PEEC offers its clients a wide array of professional civil, environmental, and structural engineering services coupled with exceptional knowledge and experience regarding design of streets and roadway systems, including new roadways, bridges, intersections, geometric layouts, and computer modeling. 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 31 years, PEEC has developed an extensive inventory of background technical information on relevant characteristics which provide valuable information in preparation for street improvement project tasks, objectives, and goals. We are intimately familiar with Jefferson Parish having designed and managed the construction of numerous projects including drainage improvements, culvert replacements, and environmental permitting. 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, and Sabine Parish 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 routine engineering and related services to Jefferson Parish for any awarded projects.

**Jefferson Parish TEC Professional  
Services Questionnaire**

**For**

**PEEC, Inc.**

## TEC Professional Services Questionnaire

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

Provide Routine Engineering Services for Streets Projects in Jefferson Parish  
Resolution No. 144319

### B. Firm Name & Address:

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](mailto: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](mailto: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>      </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>  1  </u> Draftsman	<u>      </u> Grant/Funding Specialist
<u>  1  </u> Electrical Engineers	<u>      </u> Mechanical Engineers	<u>      </u> Sanitary Engineers
<u>      </u> Engineer Intern	<u>      </u> Environmental Engineers	
<u>  1  </u> Professional Land Surveyors		<b><u>10 TOTAL</u></b>

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

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

## TEC Professional Services Questionnaire

<b>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.</b>		
1. N/A		
2. N/A		
<b>H. Has this JOINT-VENTURE previously worked together? Please check: N / A</b> YES                      NO		
<b>I. List all subcontractors anticipated for this Project. Please note that <u>all subcontractors must submit a fully completed copy of this questionnaire</u>, 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 _____</b>		
<b>Name &amp; Address:</b>	<b>Specialty:</b>	<b>Worked with Firm Before (Yes or No):</b>
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.		
4.		
<b>J. Please specify the total number of support personnel that may assist in the completion of this Project:</b> <u>  (2)  </u>		

## **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:**

Civil and Environmental Engineer

**Name of Firm with which associated:**

Professional Engineering and Environmental Consultants, Inc.

**Years' experience with this Firm:**

31

**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 (31) years of experience providing engineering services for the design of several major interstate highways (including I-49), bridges, roadways, and overpasses. His responsibilities included field investigations, mechanical, and structural design, preparation of specifications, roadway geometric design, drainage, funding process, construction administration and management, cost analysis, bid quantities, project coordination, and regulatory negotiations for obtaining the required permits. Mr. Saleh will assume the role of Civil and Environmental Engineer on any awarded projects.

At Professional Engineering and Environmental Consultants, Inc., Mr. Saleh's engineering services include providing technical expertise and assistance to many local cities and parish's including Jefferson Parish, City of Westwego, 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**

### **F. Edward Hebert Boulevard Roadway Design**

PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements. Mr. Saleh was the Senior Project Engineer responsible for the design of the project and construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.

### **Design of a Roundabout at Intersection of LA Highway 1085 and Ochsner Blvd.**

PEEC developed the feasibility and capacity analysis for this multilane roundabout. PEEC conducted the traffic study, designed the geometric layout, and performed the signal modification. Based on the traffic count, right and left turns were added and signal lighting was designed accordingly to facilitate a smooth flow of traffic. Our firm was fully responsible for this project including preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis. Mr. Saleh was the Senior Project Engineer responsible for the design of the project and construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.

### **Design of Four Lane New Roadway and Modification to the Intersection of LA Highway 1085-1077**

PEEC, Inc. developed the feasibility and capacity analysis for (5) multilane roundabouts. ViSim Model utilized to help community visualize the smooth flow of the busy intersection and show reduced wait times when compared to a signal. Our firm was fully responsible for this project including geometric layout, preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis. Mr. Saleh was the Senior Project Engineer responsible for the design of the project and construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.

### **Stabilization of Tidewater Road**

Tidewater Road is located in Venice, LA. The road is approximately three miles long and serves as the only access to many offshore related businesses in the area. The average roadway elevation is 2.5' NGVD and is bordered by open water areas on both the north and south side. During high tide and wind events, the surrounding water has reached as high as 4.5' NGVD causing standing water of nearly two feet on the roadway. This has caused extremely dangerous driving conditions for the local residents, workers, and emergency services. PEEC was contracted by Plaquemines Parish Government to analyze the existing situation and determine a solution to the flooding problem that would be both effective and economical for the Parish. PEEC performed historical data research of the tidal ranges and flood events over the past twenty years. PEEC also performed a topographic survey of the roadway. Additionally, a geotechnical investigation was conducted to determine soil consistency and load bearing capacity. Using the data collected and past experience with similar projects, PEEC analyzed four alternatives to alleviate the existing flood problem. Based on effectiveness and cost analysis, a project design was developed which would place earthen levees on each side of the road with crowns at 5.0' NGVD. Along with the levees a series of pump stations with backup generators were sized and spaced to remove rainwater from the roadway. Mr. Saleh was responsible for the design of the earthen levee system to protect the roadway and spacing and location of the pump stations.

### **LA Highway 41 Park and Ride Site**

PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. Mr. Saleh was the Senior Project Engineer responsible for the design of the project and construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.

## **TEC Professional Services Questionnaire**

### **LA Highway 59 Park and Ride Site**

PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. Mr. Saleh was the Senior Project Engineer responsible for the design of the project and construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.

### **Design of Diversified Foods Drive Roadway Project**

The project included the design of a four-lane roadway with a median constructed of concrete including all utilities. This HS-20 concrete roadway system was designed to withstand enough loading to handle heavy tractor-trailer traffic to and from the Diversified Foods facility. Mr. Saleh was the Senior Project Engineer responsible for the design of the project and construction management which included: applying for permits, coordinating pre-bid conference, tallying bids, and preparation of the drawings and specifications.





## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Ronald A. Guidry, President
<b>Project Assignment:</b>
Quality Control Manager
<b>Name of Firm with which associated:</b>
Professional Engineering and Environmental Consultants, Inc.
<b>Years' experience with this Firm:</b>
31
<b>Education: Degree(s)/Year/Specialization:</b>
Associate of Science, Drafting Eng. Technology, Delgado College, 1968
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Guidry has been an officer of Professional Engineering and Environmental Consultants, Inc. for over (22) 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 fulfill the role of Quality Control Manager for any awarded projects.</p> <p><b><u>F. Edward Hebert Boulevard Roadway Design</u></b></p> <p>PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements. Mr. Guidry was 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><b><u>Design of a Roundabout at Intersection of LA Highway 1085 and Ochsner Blvd.</u></b></p> <p>PEEC developed the feasibility and capacity analysis for this multilane roundabout. PEEC conducted the traffic study, designed the geometric layout, and performed the signal modification. Based on the traffic count, right and left turns were added and signal lighting was designed accordingly to facilitate a smooth flow of traffic. Our firm was fully responsible for this project including preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis. Mr. Guidry was responsible for construction supervision, monitoring, planning, adhering to state and federal regulations, and quantities of materials used on-site.</p>



## **TEC Professional Services Questionnaire**

### **Design of Four Lane New Roadway and Modification to the Intersection of LA Highway 1085-1077**

PEEC, Inc. developed the feasibility and capacity analysis for (5) multilane roundabouts. ViSim Model utilized to help community visualize the smooth flow of the busy intersection and show reduced wait times when compared to a signal. Our firm was fully responsible for this project including geometric layout, preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis. Mr. Guidry was responsible for cost analysis, project management, project inspection and project close-out.

### **Design of Diversified Foods Drive Roadway Project**

The project included the design of a four-lane roadway with a median constructed of concrete including all utilities. This HS-20 concrete roadway system was designed to withstand enough loading to handle heavy tractor-trailer traffic to and from the Diversified Foods facility. Mr. Guidry was responsible for cost analysis, project management, project inspection and project close-out.

### **Stabilization of Tidewater Road**

Tidewater Road is located in Venice, LA. The road is approximately three miles long and serves as the only access to many offshore related businesses in the area. The average roadway elevation is 2.5' NGVD and is bordered by open water areas on both the north and south side. During high tide and wind events, the surrounding water has reached as high as 4.5' NGVD causing standing water of nearly two feet on the roadway. This has caused extremely dangerous driving conditions for the local residents, workers, and emergency services. PEEC was contracted by Plaquemines Parish Government to analyze the existing situation and determine a solution to the flooding problem that would be both effective and economical for the Parish. PEEC performed historical data research of the tidal ranges and flood events over the past twenty years. PEEC also performed a topographic survey of the roadway. Additionally, a geotechnical investigation was conducted to determine soil consistency and load bearing capacity. Using the data collected and past experience with similar projects, PEEC analyzed four alternatives to alleviate the existing flood problem. Based on effectiveness and cost analysis, a project design was developed which would place earthen levees on each side of the road with crowns at 5.0' NGVD. Along with the levees a series of pump stations with backup generators were sized and spaced to remove rainwater from the roadway. Mr. Guidry was responsible for construction supervision and monitoring, instrumentation, drafting, architectural design, and planning.

State of Louisiana

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Delmar R. Caldwell, P.E.
<b>Project Assignment:</b>
Civil & Environmental Engineer
<b>Name of Firm with which associated:</b>
Professional Engineering and Environmental Consultants, Inc.
<b>Years' experience with this Firm:</b>
31
<b>Education: Degree(s)/Year/Specialization:</b>
B.S., Civil Engineering, Tulane University, 1982
<b>Active registration: Year first registered/discipline:</b>
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.
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Caldwell is a registered Civil Engineer with more than (31) 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 has been involved with the Brownfields programs and securing grants from EPA for the City of Westwego. Mr. Caldwell was responsible for administering the entire program including identifying the under developed and contaminated sites. This included a complete Environmental assessment, impact, clean up and permitting under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Mr. Caldwell will fulfill the role of Civil and Environmental Engineer on any awarded projects.</p> <p><b><u>F. Edward Hebert Boulevard Roadway Design</u></b></p> <p>PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements. Mr. Caldwell was responsible for preparation of plans and specifications, project administration, and construction management.</p>

## **TEC Professional Services Questionnaire**

### **Design of a Roundabout at Intersection of LA Highway 1085 and Ochsner Blvd.**

PEEC developed the feasibility and capacity analysis for this multilane roundabout. PEEC conducted the traffic study, designed the geometric layout, and performed the signal modification. Based on the traffic count, right and left turns were added and signal lighting was designed accordingly to facilitate a smooth flow of traffic. Our firm was fully responsible for this project including preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis. 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.

### **LA Highway 59 Park and Ride Site**

PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. 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.

### **Design of Four Lane New Roadway and Modification to the Intersection of LA Highway 1085-1077**

PEEC, Inc. developed the feasibility and capacity analysis for (5) multilane roundabouts. ViSim Model utilized to help community visualize the smooth flow of the busy intersection and show reduced wait times when compared to a signal. Our firm was fully responsible for this project including geometric layout, preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis. 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.

### **Design of Diversified Foods Drive Roadway Project**

The project included the design of a four-lane roadway with a median constructed of concrete including all utilities. This HS-20 concrete roadway system was designed to withstand enough loading to handle heavy tractor-trailer traffic to and from the Diversified Foods facility. 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.

### **Stabilization of Tidewater Road**

Tidewater Road is located in Venice, LA. The road is approximately three miles long and serves as the only access to many offshore related businesses in the area. The average roadway elevation is 2.5' NGVD and is bordered by open water areas on both the north and south side. During high tide and wind events, the surrounding water has reached as high as 4.5' NGVD causing standing water of nearly two feet on the roadway. This has caused extremely dangerous driving conditions for the local residents, workers, and emergency services. PEEC was contracted by Plaquemines Parish Government to analyze the existing situation and determine a solution to the flooding problem that would be both effective and economical for the Parish. PEEC performed historical data research of the tidal ranges and flood events over the past twenty years. PEEC also performed a topographic survey of the roadway. Additionally, a geotechnical investigation was conducted to determine soil consistency and load bearing capacity. Using the data collected and past experience with similar projects, PEEC analyzed four alternatives to alleviate the existing flood problem. Based on effectiveness and cost analysis, a project design was developed which would place earthen levees on each side of the road with crowns at 5.0' NGVD. Along with the levees a series of pump stations with backup generators were sized and spaced to remove rainwater from the roadway. Mr. Caldwell was responsible for the drainage study, project coordination, mechanical and subsurface drainage system, and preparation of the specifications.

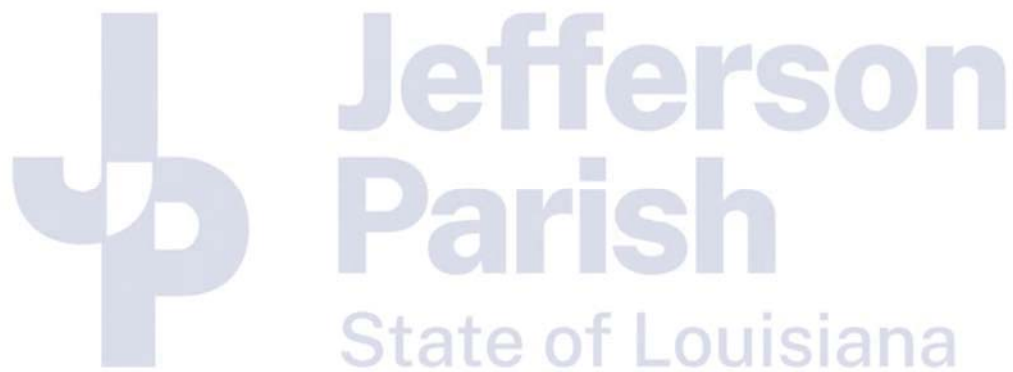
## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Al Almassi
<b>Project Assignment:</b>
Civil Engineer
<b>Name of Firm with which associated:</b>
Professional Engineering and Environmental Consultants, Inc.
<b>Years' experience with this Firm:</b>
28
<b>Education: Degree(s)/Year/Specialization:</b>
B.S., Civil Engineering, University of New Orleans, 1983
<b>Active registration: Year first registered/discipline:</b>
P.E. Texas
<b>Other experience and qualifications relevant to the proposed Project:</b>
<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 on any awarded projects.</p> <p><b><u>LA Highway 59 Park and Ride Site</u></b></p> <p>PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. 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. 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><b><u>Design of Four Lane New Roadway and Modification to the Intersection of LA Highway 1085-1077</u></b></p> <p>PEEC, Inc. developed the feasibility and capacity analysis for (5) multilane roundabouts. ViSim Model utilized to help community visualize the smooth flow of the busy intersection and show reduced wait times when compared to a signal. Our firm was fully responsible for this project including geometric layout, preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis. 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><b><u>Design of Diversified Foods Drive Roadway Project</u></b></p> <p>The project included the design of a four-lane roadway with a median constructed of concrete including all utilities. This HS-20 concrete roadway system was designed to withstand enough loading to handle heavy tractor-trailer traffic to and from the Diversified Foods facility. 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**

### **Stabilization of Tidewater Road**

Tidewater Road is located in Venice, LA. The road is approximately three miles long and serves as the only access to many offshore related businesses in the area. The average roadway elevation is 2.5' NGVD and is bordered by open water areas on both the north and south side. During high tide and wind events, the surrounding water has reached as high as 4.5' NGVD causing standing water of nearly two feet on the roadway. This has caused extremely dangerous driving conditions for the local residents, workers, and emergency services. PEEC was contracted by Plaquemines Parish Government to analyze the existing situation and determine a solution to the flooding problem that would be both effective and economical for the Parish. PEEC performed historical data research of the tidal ranges and flood events over the past twenty years. PEEC also performed a topographic survey of the roadway. Additionally, a geotechnical investigation was conducted to determine soil consistency and load bearing capacity. Using the data collected and past experience with similar projects, PEEC analyzed four alternatives to alleviate the existing flood problem. Based on effectiveness and cost analysis, a project design was developed which would place earthen levees on each side of the road with crowns at 5.0' NGVD. Along with the levees a series of pump stations with backup generators were sized and spaced to remove rainwater from the roadway. 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

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Wes Faulkner, P.E.
<b>Project Assignment:</b>
Electrical Engineer
<b>Name of Firm with which associated:</b>
Professional Engineering and Environmental Consultants, Inc.
<b>Years' experience with this Firm:</b>
19
<b>Education: Degree(s)/Year/Specialization:</b>
B.S., 1964, Electrical Engineering, Louisiana State University
<b>Active registration: Year first registered/discipline:</b>
1966, Electrical Engineering, Louisiana No. 10110
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Faulkner has over 35 years of experience designing lighting, power and control systems for commercial and industrial projects. 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 &amp; Plumbing design of several Jefferson Parish government and also Jefferson Parish School board projects. Mr. Faulkner will assume the role of Electrical Engineer on any projects.</p> <p><b><u>F. Edward Hebert Boulevard Roadway Design</u></b></p> <p>PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements. Mr. Faulkner was responsible for electrical systems, electrical specifications, utility relocation, and cost analysis.</p> <p><b><u>Design of Diversified Foods Drive Roadway Project</u></b></p> <p>The project included the design of a four-lane roadway with a median constructed of concrete including all utilities. This HS-20 concrete roadway system was designed to withstand enough loading to handle heavy tractor-trailer traffic to and from the Diversified Foods facility. Mr. Faulkner was responsible for electrical systems, electrical specifications, utility relocation, and cost analysis.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Jeff Meyers
<b>Project Assignment:</b>
Project Manager
<b>Name of Firm with which associated:</b>
Professional Engineering and Environmental Consultants, Inc.
<b>Years' experience with this Firm:</b>
19
<b>Education: Degree(s)/Year/Specialization:</b>
Associates in Drafting and Design, Southeastern Louisiana University, 1999
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Meyers has been a Project Manager for several Civil and Environmental 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 fulfill the role of Project Manager on any awarded projects.</p> <p><b><u>F. Edward Hebert Boulevard Roadway Design</u></b></p> <p>PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements. 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><b><u>LA Highway 59 Park and Ride Site</u></b></p> <p>PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. Mr. Meyers was responsible for the topographical surveying, cost analysis, preparation of the drawings and specifications, coordination and design of the project including data conversion, computer mapping, field investigation, and coordination of this project with the client.</p>

## **TEC Professional Services Questionnaire**

### **Design of Four Lane New Roadway and Modification to the Intersection of LA Highway 1085-1077**

PEEC, Inc. developed the feasibility and capacity analysis for (5) multilane roundabouts. ViSim Model utilized to help community visualize the smooth flow of the busy intersection and show reduced wait times when compared to a signal. Our firm was fully responsible for this project including geometric layout, preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis. Mr. Meyers was responsible for the topographical surveying, cost analysis, preparation of the drawings and specifications, coordination and design of the project including data conversion, computer mapping, field investigation, and coordination of this project with the client.

### **Design of Diversified Foods Drive Roadway Project**

The project included the design of a four-lane roadway with a median constructed of concrete including all utilities. This HS-20 concrete roadway system was designed to withstand enough loading to handle heavy tractor-trailer traffic to and from the Diversified Foods facility. Mr. Meyers was responsible for the topographical surveying, cost analysis, preparation of the drawings and specifications, coordination and design of the project including data conversion, computer mapping, field investigation, and coordination of this project with the client.





## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Stephen Blaskey, P.L.S.
<b>Project Assignment:</b>
Lead Surveyor
<b>Name of Firm with which associated:</b>
Professional Engineering and Environmental Consultants, Inc.
<b>Years' experience with this Firm:</b>
13
<b>Education: Degree(s)/Year/Specialization:</b>
B.S./ 2004 Texas A&M University – Corpus Christi/Geographic Information Science with a Specialization in Geomatics
<b>Active registration: Year first registered/discipline:</b>
Louisiana P.L.S. License No. 5107 – Land Surveyor
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Blaskey has over four 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 Lead Surveyor and oversee all necessary surveying.</p> <p><b><u>F. Edward Hebert Boulevard Roadway Design</u></b>          PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements. Mr. Blaskey's responsibilities included elevation surveys, boundary calculations, and identifying existing pipelines located at the project site.</p> <p><b><u>LA Highway 59 Park and Ride Site</u></b>          PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. Mr. Blaskey's responsibilities included elevation surveys, boundary calculations, and identifying existing pipelines located at the project site.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
James Blanchard
<b>Project Assignment:</b>
Project Administrator
<b>Name of Firm with which associated:</b>
Professional Engineering and Environmental Consultants, Inc.
<b>Years' experience with this Firm:</b>
13
<b>Education: Degree(s)/Year/Specialization:</b>
B.G.S./2001 University of New Orleans/Science
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>As Project Administrator, Mr. Blanchard is responsible for environmental 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 the role of Project Administrator on any awarded projects.</p> <p><b><u>F. Edward Hebert Boulevard Roadway Design</u></b></p> <p>PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements. 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><b><u>LA Highway 41 Park and Ride Site</u></b></p> <p>PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. 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>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Derek Pinkley
<b>Project Assignment:</b>
Draftsman/AutoCAD Technician
<b>Name of Firm with which associated:</b>
Professional Engineering and Environmental Consultants, Inc.
<b>Years' experience with this Firm:</b>
14
<b>Education: Degree(s)/Year/Specialization:</b>
B.S. in Computer Science American International University
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>As a Draftsman, Mr. Pinkley is responsible for detail design of architectural, structural, mechanical, and electrical drawings using AutoCAD and Microsoft software programs. Mr. Pinkley will fulfill the role of Draftsman on any awarded projects.</p> <p><b><u>F. Edward Hebert Boulevard Roadway Design</u></b> PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements. Mr. Pinkley's responsibilities included creating AutoCAD drawings of the site plans and specifications for the waterline.</p> <p><b><u>LA Highway 59 Park and Ride Site</u></b> PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. Mr. Pinkley was responsible for the AutoCAD drawings and assisting the engineers with the permit applications and topographical surveying.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
John Domingue
<b>Project Assignment:</b>
Construction Inspector
<b>Name of Firm with which associated:</b>
Professional Engineering and Environmental Consultants, Inc.
<b>Years' experience with this Firm:</b>
12
<b>Education: Degree(s)/Year/Specialization:</b>
Southeastern Louisiana University Continuing Education
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>As a Construction Inspector, Mr. Domingue 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. Domingue will fulfill the role of Construction Inspector on any awarded projects.</p> <p><b><u>F. Edward Hebert Boulevard Roadway Design</u></b> PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements. Mr. Domingue'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><b><u>LA Highway 41 Park and Ride Site</u></b> PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. Mr. Domingue'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>

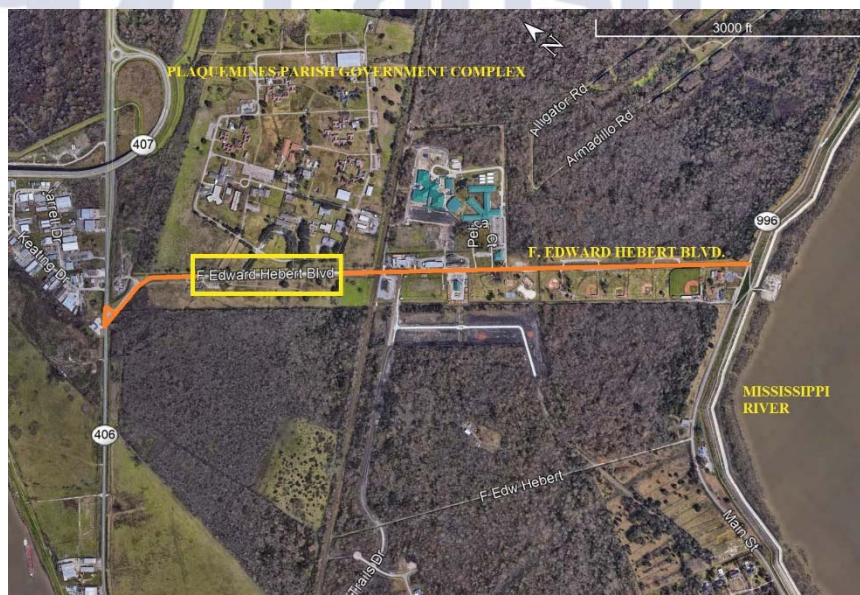
## TEC Professional Services Questionnaire

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>F. Edward Hebert Boulevard Roadway Design State Project No. 742-38-0006</p> <p>Plaquemines Parish Government 102 Avenue G Belle Chasse, LA 70037 Ken Dugas (504) 297-5349</p>	<p>Engineering Design, Hydraulic Modeling, Permitting, and Construction Management</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$2,000,000	\$2,000,000

PEEC was contracted by Plaquemines Parish Government to develop a feasibility and capacity analysis of this roadway. A traffic count and traffic analysis was conducted on the project area which is near an elementary school. It was determined that the best and most cost-effective solution was to design a dedicated turning lane for the school to improve the flow of traffic. Drainage improvements to the roadway were also part of this project. Using survey data obtained in the field, a three-dimensional model was generated to perform corridor modeling, geometric design, drainage system design, and utility relocation related to the improvements.

Our firm was fully responsible for this project including preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis.





## TEC Professional Services Questionnaire

<b>PROJECT NO. 2</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Stabilization of Tidewater Road  Plaquemines Parish Government 102 Avenue G Belle Chasse, LA 70037 Ken Dugas (504) 297-5343	Engineering Design, Hydraulic Modeling, Permitting, and Construction Management	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2005	\$2,000,000	\$2,000,000



Tidewater Road is located in Venice, LA. The road is approximately three miles long and serves as the only access to many offshore related businesses in the area. The average roadway elevation is 2.5' NGVD and is bordered by open water areas on both the north and south side. **During high tide and wind events, the surrounding water has reached as high as 4.5' NGVD causing standing water of nearly two feet on the roadway.** This has caused extremely dangerous driving conditions for the local residents, workers, and emergency services. PEEC was contracted by Plaquemines Parish Government to analyze the existing situation and determine a solution to the flooding problem that would be both effective and economical for the Parish. PEEC performed historical data research of the tidal ranges and flood events over the past twenty years. PEEC also performed a topographic survey of the roadway. Additionally, a geotechnical investigation was conducted to determine soil consistency and load bearing capacity. Using the data collected and past experience with similar projects, PEEC analyzed four alternatives to alleviate the existing flood problem. **Based on effectiveness and cost analysis, a project design was developed which would place earthen levees on each side of the road with crowns at 5.0' NGVD. Along with the levees a series of pump stations with backup generators were sized and spaced to remove rainwater from the roadway.**



## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Design of a Roundabout at Intersection of LA Highway 1085 and LA Highway 1077  St. Tammany Parish Government P.O. Box 628 Covington, LA 70434 Eddie Williams (985) 898-2552	Engineering Design, Hydraulic Modeling, Permitting, and Construction Management	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2010	\$500,000	\$500,000
<p>PEEC developed the feasibility and capacity analysis for this multilane roundabout. <b>PEEC conducted the traffic study, designed the geometric layout, and performed the signal modification. Based on the traffic count, right and left turns were added, and signal lighting was designed accordingly to facilitate a smooth flow of traffic.</b></p> <p>Our firm was fully responsible for this project including preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis.</p>		
		

## TEC Professional Services Questionnaire


<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Design of Diversified Foods Drive Roadway Project</p> <p>St. Tammany Parish Government P.O. Box 628 Covington, LA 70434 Eddie Williams (985) 898-2552</p>	<p>Engineering Design, Hydraulic Modeling, Permitting, and Construction Management</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2010	\$500,000	\$500,000
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>The project included the design of a four-lane roadway with a median constructed of concrete including all utilities. <b>This HS-20 concrete roadway system was designed to withstand enough loading to handle heavy tractor-trailer traffic to and from the Diversified Foods facility.</b></p> <p>Our firm was fully responsible for this project including preliminary design, final design, preparation of plans and specifications, project management, project inspection and project close-out.</p> </div> <div style="width: 55%;">   </div> </div>		





## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Design of a Roundabout at Intersection of LA Highway 1085 and Ochsner Blvd.  St. Tammany Parish Government P.O. Box 628 Covington, LA 70434 Eddie Williams (985) 898-2552	Engineering Design, Hydraulic Modeling, Permitting, and Construction Management	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2010	\$500,000	\$500,000
<p>PEEC developed the feasibility and capacity analysis for this multilane roundabout. <b>PEEC conducted the traffic study, designed the geometric layout, and performed the signal modification. Based on the traffic count, right and left turns were added, and signal lighting was designed accordingly to facilitate a smooth flow of traffic.</b></p> <p>Our firm was fully responsible for this project including preliminary design, final design, preparation of plans and specifications, project management, and computer modeling of the traffic analysis.</p> <div style="text-align: center; margin-top: 20px;">  </div>		

## TEC Professional Services Questionnaire

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Design of Johnson Street Drainage Improvements  Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123 Jerry Defraites (504) 347-5745	Engineering Design, Hydraulic Modeling, Permitting, and Construction Management	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2005	\$1,200	\$1,200
<p>Residents in the area 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. <b>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.</b> 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. Upon analysis of the existing conditions, collected data, and modeling results, PEEC determined the best, most economical solution to the problem was a drainage structure large enough to handle the calculated flow of a ten-year storm without any ponding where the street comes to a dead end. <b>Approximately 1,250 feet of undersized existing catch basins and drain lines were removed and replaced with 42-inch RCP along the existing railroad right of way and outfall into an existing ditch. Additionally, 2,000 feet of 6x6 box culvert was placed into the existing outfall ditch to enhance flow and drainage of the entire drainage basin.</b></p> <div style="text-align: center;">  </div>		

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Design of Mt. Kennedy Street Drainage Improvements  Jefferson Parish Government 1221 Elmwood Park Blvd. Harahan, LA 70123 Jerry Defraites (504) 347-5745	Engineering Design, Hydraulic Modeling, Permitting, and Construction Management	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2014	\$4,000,000	\$4,000,000
<p>Mt. Kennedy is a residential street located on the west bank of the Mississippi River in Jefferson Parish, LA. The residents in the area have experienced street flooding during typical 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. <b>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.</b> PEEC designed a drainage structure large enough to handle the calculated flow of a ten-year storm without any ponding to be installed where the street comes to a dead end. <b>All undersized existing catch basins and drain lines are being removed and replaced with new RCP pipes and manholes along the existing right of way and outfall into an existing ditch. Additionally, 2,000 feet of 10-inch sewer force main is being installed to convey the wastewater.</b></p> <div style="display: flex; justify-content: space-around; align-items: flex-start;">   </div>		



## TEC Professional Services Questionnaire


<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Design of Duvic Canal Concrete Bridge and Reshaping Canal  Plaquemines Parish Government 102 Avenue G Belle Chasse, LA 70037 Ken Dugas (504) 297-5343	Engineering Design, Hydraulic Modeling, Permitting, and Construction Management	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2005	\$750,000	\$750,000

**The project included bank stabilization and the design and installation of a new HS20-44 rated concrete bridge on Duvic Canal allowing heavy equipment to approach the flood wall and the drainage pump station for repair work.** Environmental Permits were prepared and submitted to the Corps of Engineers. Pre-Application discussions were engaged in with all participating regulatory agencies to obtain comments and make application adjustments as required. Geotechnical analysis of the native soils to determine foundation requirements, pile loading, and bedding requirements for improvements was obtained and analyzed by PEEC.

**Our firm provided the preliminary and final design, plans and specifications, permitting, and managed the construction phase of this project.**



## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p style="text-align: center;">LA Highway 41 Park and Ride Site</p> <p>St. Tammany Parish Government P.O. Box 628 Covington, LA 70434 Eddie Williams (985) 898-2552</p>	<p>Engineering Design, Hydraulic Modeling, Permitting, and Construction Management</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2013	\$1,500,000	\$1,500,000
<p>PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. PEEC, Inc. was fully responsible for this project design, preparation of plans and specifications, project management, and construction inspection.</p> <div style="text-align: center; margin-top: 20px;">  </div>		

## TEC Professional Services Questionnaire

### PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">LA Highway 59 Park and Ride Site</p> <p style="text-align: center;">St. Tammany Parish Government P.O. Box 628 Covington, LA 70434 (985) 898-2552</p>	<p style="text-align: center;">Engineering Design, Hydraulic Modeling, Permitting, and Construction Management</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2011	\$1,500,000	\$1,500,000

PEEC, Inc. was hired to provide the line and grade study, develop existing cross sections and contour map of the site, boundary survey, geotechnical analysis, potential alignment and layout, wetland assessment, and 404 Permit application coordination with the USACE. PEEC, Inc. was fully responsible for this project design, preparation of plans and specifications, project management, and construction inspection.



## TEC Professional Services Questionnaire

<b>M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.</b>		
<b>Parties:</b>		<b>Status/Result of Case:</b>
<b>Plaintiff:</b>	<b>Defendant:</b>	
1. NONE		
2.		
3.		
4.		
<b>N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.</b>		
<ol style="list-style-type: none"> <li>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 water treatment and distribution system.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ol>		



## TEC Professional Services Questionnaire

5. Knowledge of 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 lives 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: Mo Saleh, P.E. and Ron Guidry 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 periodically 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 prior to submittal. The detailed Quality Control Plan will be furnished upon request.
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: July 16, 2024





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



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 – 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.

## 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 – 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 Mississippi River water 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 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



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F | 504-341-5600  
E | [inquiry@pecinc.com](mailto:inquiry@pecinc.com)

**Jefferson Parish TEC  
Professional Services Questionnaire**

**For**

**BFM, LLC**



## TEC Professional Services Questionnaire

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

Provision of Routine Engineering Services for

### Streets Projects in Jefferson Parish

SOQ **24-021** | Resolution No. **144319**

**B. Firm Name & Address:**



**BFM Corporation, LLC**

15 Veterans Memorial Boulevard | Kenner LA 70062

**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:**

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

504-468-8800 | 504-468-8800 cell | ralph@bfmcorporation.com

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

**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:**

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

504-468-8800 | 504-468-8800 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:**

<u>4</u>	Administrative		Estimators		Specification Writers
	Architects (Licensed)		Geologists		Structural Engineers
	Chemical Engineers	<u>1</u>	Geotechnical Engineers		Graduate Engineers
	Civil Engineers		Interior Designers	<u>2</u>	Project Managers
	Construction Inspectors		Landscape Architects		Clerical ( <i>see Administrative</i> )
	Ecologists	<u>1</u>	Land Surveyor ( <i>Apprentice</i> )		Grant/Funding Specialist
	Electrical Engineers		Mechanical Engineers		Sanitary Engineers
	Engineer Intern		Environmental Engineers	<u>1</u>	<i>Researcher/Archivist</i>
<u>2</u>	Professional Land Surveyors			<u>3</u>	<i>CADD Technicians</i>
				<u>6</u>	<i>Survey Crew Chief</i>
				<u>6</u>	<i>Survey Crew Instrumentman</i>
				<u>26</u>	<b>TOTAL</b>

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

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

## TEC Professional Services Questionnaire

<b>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.</b>		
1. N/A		
2.		
<b>H. Has this JOINT-VENTURE previously worked together? Please check:</b> YES_____ NO_____ N/A		
<b>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.</b>		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2.		
3.		
<b>J. Please specify the total number of support personnel that may assist in the completion of the Project:</b> <div style="display: flex; align-items: center;"> <div style="border-bottom: 1px solid black; width: 100px; margin-right: 10px;">26</div> <span>(all personnel will be available for assignment to the project)</span> </div>		

## 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 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:**

**Ralph P. Fontcuberta, Jr., PLS**

Executive Vice President / Registered Professional Land Surveyor

**Project Assignment:**

Registered Professional Land Surveyor

**Name of Firm with which associated:**

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

**Years' experience with this Firm:**

42 years (Founding Principal of BFM in 1982);      Gulf South Engineering and Testing, Inc. | 2017 to present  
57 years total (1967)      BFM Corporation, LLC | 1982 to present  
Surveys, Inc. | 1967 to 1982  
The Boeing Company | 1964 to 1967

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

2 yr, Building Trade Curriculum, Delgado, New Orleans  
2 yr, Mathematics Curriculum, University of New Orleans

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

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

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

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

Project work has included topographic surveying needed for a wide variety of engineering, architectural, construction, and other related endeavors. This has included projects for numerous branches of virtually every regional city/parish/town government, multiple State agencies (LA Dept. of Natural Resources (LADNR), Coastal Protection & Restoration Administration (CPRA), LA

## TEC Professional Services Questionnaire

Other experience and qualifications: **Ralph P. Fontcuberta, Jr., PLS (continued)**

Dept. of Transportation & Development (LADOTD), MS Dept. of Transportation (MDOT), and others), Federal agencies (U.S. Army Corps of Engineers (USACE), Dept. of the Navy, etc.), private/public companies (Entergy, BellSouth, Cox Cable, etc.), and numerous other public/private entities.

**Mr. Fontcuberta's surveying experience with Jefferson Parish can be traced back to BFM's inception in 1982, and to 1967 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:

- West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA
- Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, LA
- Lapalco Boulevard Survey Update, Jefferson Parish, LA
- West Napoleon Avenue Extension (Highway Park Subdivision), Jefferson Parish, LA
- Bonnabel Boulevard Bike Path, Metairie, Jefferson Parish, LA
- Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA
- Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA
- Barataria Boulevard Right Turn Lane, Jefferson Parish, LA
- Hollygrove Group E (RR065) Route Topographic Survey, Jefferson Parish, LA
- Veterans Memorial Boulevard Route Topographic Survey, Jefferson Parish, LA
- Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA
- Jefferson Highway to Charlotte Drive Route Topographic Survey, River Ridge, Jefferson Parish, LA
- Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA
- Soniat Canal Timber Bulkhead Replacement Route Topographic Survey, Jefferson Parish, LA
- Highway 90 Route Topographic Survey, Jefferson Parish, LA
- Bissonet Plaza Drainage Improvements (Phase 1, Elmwood & Craig Ave), Jefferson Parish, LA
- Transcontinental Drive (North Bound; W. Metairie to Veterans), Metairie, Jefferson Parish, LA
- Earhart Expressway - Proposed Lead Street On/Off Ramps, Jefferson Parish, LA
- Latigue Road Extension, Supplemental Services, Jefferson Parish, LA
- Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, LA
- Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA
- Ames Boulevard Rehabilitation, Jefferson Parish, LA
- Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA
- Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA
- L&A Road Revision Survey, Jefferson Parish, LA
- Green Acres Road, Metairie, Jefferson Parish, LA
- Veterans Memorial Boulevard - Westbound, Jefferson Parish, LA


## **TEC Professional Services Questionnaire**

Other experience and qualifications: **Ralph P. Fontcuberta, Jr., PLS (continued)**

- Manhattan Boulevard Widening, Harvey, Jefferson Parish, LA
- Hector Avenue Route Topographic Survey, Gretna, Jefferson Parish, LA
- Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA
- Little Farms Avenue, Jefferson Parish, LA
- David Drive Corridor Project, Metairie, Jefferson Parish, LA
- Latigue Road Extension, Jefferson Parish, LA
- Bissonet Plaza Project Surveying, Metairie, Jefferson Parish, LA
- 11th Street Rehabilitation, Harvey, Jefferson Parish, LA
- Harvey Canal Subdivision Drainage Project, Harvey, Jefferson Parish, LA
- Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard), Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Barataria Boulevard Turn Lane Project, Marrero, Jefferson Parish, LA
- Kenner Marketplace Survey Update, City of Kenner, LA
- South Jamie Boulevard, Avondale, Jefferson Parish, LA
- Route Topographic Surveying for Multiple Streets (VFW Area), City of Harahan, Jefferson Parish, LA
- David Drive Corridor, Jefferson Parish, LA
- Mounes Street Subsurface Drainage (Phase IV, Dickory to Elmwood Park), Jefferson Parish, LA
- Metairie Road & Johnson Street, Route Topographic Survey, Jefferson Parish, LA
- Cleary Avenue Survey Checks, Metairie, Jefferson Parish, LA
- Walter Road at Melrose Avenue, River Ridge, Jefferson Parish, LA
- 25th Street & Adjacent Canal, Gretna, Jefferson Parish, LA
- Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA
- Lapalco Boulevard Survey Update, Jefferson Parish, LA
- Earhart Expressway Roadway Light Improvements, Jefferson Parish, LA
- Labarre Road Railroad Crossing, Metairie, Jefferson Parish, LA
- Citrus Road Project, Route Topographic Survey, River Ridge, Jefferson Parish, LA
- DOTD H.008068, Peters Road Bridge and Extension Project (Phase 2), Jefferson Parish, LA
- Veterans Memorial Boulevard/Power Boulevard at the Soniat Canal, Jefferson Parish, LA
- Veterans Boulevard RTA Multi-Use Trail, Jefferson Parish, LA
- Airline Overpass Rehabilitation, Phase 2, Jefferson Parish, LA
- Citrus Boulevard Improvements (Dickory Ave to Elmwood Park Blvd), Metairie, Jefferson Parish, LA
- Severn Avenue (Veterans Boulevard to West Esplanade), Metairie, Jefferson Parish, LA
- Airline Drive at Clearview Parkway/Zinnia Ave. to Houma Blvd., Jefferson Parish, LA
- Franklin Avenue (Gretna) Right-of-Way Boundary Survey, Gretna, Jefferson Parish, LA



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Chad M. Poché, P.E.</b> Executive Vice President / Registered Professional Geotechnical Engineer
<b>Project Assignment:</b>
Engineering Liaison
<b>Name of Firm with which associated:</b>
 <b>BFM CORPORATION, LLC</b> Professional Land & Hydrographic Surveying
<b>Years' experience with this Firm:</b>
7 years (became partial owner of BFM in 2017); 31 years total (1993) <div style="float: right; text-align: right;"> <i>BFM Corporation, LLC   2017 to present</i>  <i>Gulf South Engineering and Testing, Inc.   2011 to present</i>  <i>Ardaman and Associates, Inc.   2007 to 2011</i>  <i>Eustis Engineering   1996 to 2001</i>  <i>Soil Testing Engineers, Inc.   1993 to 1996</i> </div>
<b>Education: Degree(s)/Year/Specialization:</b>
M.S., 1998, Civil Engineering, University of New Orleans B.S., 1993, Civil Engineering, Louisiana State University
<b>Active Registration: Year first registered/discipline:</b>
1998, Civil Engineer (Louisiana No. 27667) 2002, Civil Engineer (Mississippi No. 15405)
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Chad M. Poché, P.E. 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 nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for 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.</p> <p>Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations, and; serving as an Expert Witness. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.</p>

## TEC Professional Services Questionnaire

Other experience and qualifications: **Chad M. Poché, P.E. (continued)**

**Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA.** BFM Corporation provided extensive surveying services for a topographic & hydrographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope. (\$478,744 (fee); 2020)

**West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA.** BFM provided topographic and right-of-way (R/W) surveying services for the project. Scope included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

**Mounes Drive (Dickory to Elmwood Park), Jefferson Parish, LA.** BFM provided a topographic survey for the Mounes Drive project, extending from Dickory to Elmwood Park Boulevard. The scope of services included establishing baseline, temporary benchmarks, and elevations, as well as boundary corners. Plotting of improvements and utility elements (sewer, water, drainage, etc.) was also included. (\$88,930 (fee); 2017)

**Ames Boulevard Rehabilitation, Jefferson Parish, LA.** BFM executed a Route Topographic Survey (RTS); the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area included Ames Boulevard from the apparent right-of-way (R/W) at Lapalco Boulevard to the apparent R/W north of Happy Street; approximately 4,800 linear feet. (\$82,500 (fee); 2019)

**Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, LA.** BFM executed a Route Topographic Survey of the Manhattan Boulevard southbound lanes from the West Bank Expressway to Gretna Boulevard; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Work consisted of multiple project elements over several years. (\$77,733 (fee); 2018)

**Transcontinental Drive (North Bound; W. Metairie Avenue to Veterans Boulevard), Metairie, Jefferson Parish, LA.** BFM executed a Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$59,630 (fee); 2020)

**Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA.** BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	
<b>Gary J. Lambert, Jr., PLS</b> Vice President / Registered Professional Land Surveyor	
<b>Project Assignment:</b>	
Project Manager/Drafting Supervisor	
<b>Name of Firm with which associated:</b>	
 <b>BFM CORPORATION, LLC</b> Professional Land & Hydrographic Surveying	
<b>Years' experience with this Firm:</b>	
6 years (joined BFM in 2018); 13 years total (2011)	<i>BFM Corporation, LLC   2018 to present</i> <i>Riverlands Surveying   2016 to 2018</i> <i>Bertucci Contracting   2011 to 2016</i>
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S., 2018, Geomatics, Nicholls State University B.S., 2014, Construction Management, Louisiana State University	
<b>Active Registration: Year first registered/discipline:</b>	
2021, Professional Land Surveyor (Louisiana No. 5929)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Gary J. Lambert, Jr., is a registered Professional Land Surveyor in Louisiana and provides Project Management and Drafting Oversight for BFM Corporation. He is the first point of contact for clients on technical matters, scheduling, and deliverables for project work, and conducts meetings with engineering, architectural, and government officials to discuss various project needs. His project work has encompassed all manner of surveying services, from basic home lots to 100+ acre tract boundary surveys.</p> <p>In the field, Mr. Lambert has provided services as a Survey Crew Chief, using both traditional and robotic surveying methods, since the start of his professional career, and has experience with Leica, Hypack, AutoCAD, AutoCAD 3D, Trimble, and RTK surveying technologies. He further trains employees in the use of an aerial drone, laser scanner, and remote-controlled hydrographic survey boat. This survey experience includes topographic, boundary, ALTA/NSPS, FEMA, and various construction surveying. Mr. Lambert has also conducted hydrographic surveys in the Mississippi River and various other bodies of water throughout the Gulf Coast area.</p> <p>Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).</p>	

## TEC Professional Services Questionnaire

Other experience and qualifications: **Gary J. Lambert, Jr., PLS (continued)**

**West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA.** BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

**Lapalco Boulevard Survey Update, Jefferson Parish, LA.** BFM prepared a Site Specific Update Survey for the Lapalco Boulevard project, which built on previous BFM surveys for the location. The field survey recovered and verified the horizontal and vertical control (from previous BFM projects noted). Spot elevations were taken; existing improvements within the designated Limits of Survey were noted. The survey also located utilities, pipes (drainage, water, sewerage), and trees. For the update, BFM specifically located newly-installed steel power poles and steel transmission towers, as well as the structures fronting along Lapalco Boulevard. Project deliverables included comprehensive/updated physical and digital files combining all new & previous survey data. (\$20,480 (fee); 2021)

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

**Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA.** A survey update was provided by BFM, which was a continuation of a previous surveying project executed by the company. The scope of work included updating or addition of topographic survey at the intersection of Vintage Drive and Power Boulevard, and shooting two cross sections along the canal adjacent to a proposed bridge location. BFM further located the waterline, new monument along Power Boulevard, and located the monument of Lot 7 and adjacent property line along Janice Street and Vintage Boulevard. (\$11,390 (fee); 2019)

**Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA.** BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)

**David Drive Corridor Project, Metairie, Jefferson Parish, LA.** BFM executed a right-of-way service for this phase of the David Drive Corridor project. BFM has also provided surveying for other elements of the project, including a Route Topographic Survey. (\$3,971 (fee); 2018)

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Christopher Lemley**  
Field Operations Manager/Survey Crew Chief

**Project Assignment:**

Field Operations Manager/Survey Crew Chief

**Name of Firm with which associated:**

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

**Years' experience with this Firm:**

10 years (joined BFM in 2014); BFM Corporation, LLC | 2014 to present  
18 years total (2006) G.E.C., Inc. | 2010 to 2014  
Krebs, LaSalle, LeMieux Consultants, Inc. | 2006 to 2010

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

High School Diploma

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

American Traffic Safety Service Assn. – Traffic Flagger  
Louisiana Boater Education - Boating Safety Certificate  
Norfolk Southern Roadway Worker Protection Contractor Safety Certificate

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

Chris Lemley's services as BFM's Field Operations Manager includes overseeing all field work and activity by company personnel. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station. Notable past project work has included the New Orleans Museum of Art, Jackson Barracks Restoration, US Highway 11, NASA Michoud Cells 3 & 4, the St. Bernard Lot Next Door Program, and multiple Orleans Parish School Recovery projects (including L.B. Landry, George Washington Carver, and Alice M. Harte schools).

**Citrus Boulevard Improvements, Jefferson Parish, LA.** The project involved an Additional Route Topographic Survey; BFM provided surveying services for the Citrus Boulevard Improvements project, which extended from Dickory Avenue to Elmwood Park Boulevard. (\$7,085 (fee); 2017)

**Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA.** BFM's surveying services involved the preparation of a Route Topographic Survey (FEMA) for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$41,135 (fee); 2017)



## TEC Professional Services Questionnaire

Other experience and qualifications: **Christopher Lemley (continued)**

**Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA.** BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

**Manhattan Boulevard Widening, Harvey, Jefferson Parish, LA.** BFM executed boundary and Right-of-Way takings surveying services for Manhattan Boulevard's southbound lanes, from the West Bank Expressway to Gretna Boulevard. (\$21,150 (fee); 2018)

**Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA.** BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)

**David Drive Corridor Project, Metairie, Jefferson Parish, LA.** BFM executed a right-of-way service for this phase of the David Drive Corridor project. BFM has also provided surveying for other elements of the project, including a Route Topographic Survey. (\$3,971 (fee); 2018)


**Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, LA.** BFM executed a Route Topographic Survey of the Manhattan Boulevard southbound lanes from the West Bank Expressway to Gretna Boulevard; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Work consisted of multiple project elements over several years. (\$77,733 (fee); 2018)

**Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA.** BFM Corporation provided extensive surveying services for a topographic & hydrographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope. (\$478,744 (fee); 2020)

**Richard Street Surveys, Gretna, Jefferson Parish, LA.** BFM provided surveying services to recover temporary benchmarks (TBMs) at Richard Street, and re-establish vertical TBM control for the Fourth Street Extension. (\$4,520 (fee); 2016)

**Latigue Road Extension, Jefferson Parish, LA.** BFM executed surveying services related to the Latigue Road Extension project; this included surveying for a right-of-way acquisition. This was phase I of the project for the proposed extension from Foundry Road to Live Oak Boulevard. (\$8,896 (fee); 2015)

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	
<b>John Philip Thayer</b> Procurement Director (Proposals & Project Management Support)	
<b>Project Assignment:</b>	
Project Management Support	
<b>Name of Firm with which associated:</b>	
 <b>BFM CORPORATION, LLC</b> Professional Land & Hydrographic Surveying	
<b>Years' experience with this Firm:</b>	
16 years (joined BFM in 2008); 17 years total (2007)	<i>BFM Corporation, LLC   2008 to present</i> <i>Delle Land Surveying   2007 to 2008</i>
<b>Education: Degree(s)/Year/Specialization:</b>	
Certificate, 2015, Land Surveying Services B.S., 2007, Physical Education, Trevecca Nazarene University	
<b>Active Registration: Year first registered/discipline:</b>	
N/A	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Phil Thayer serves as BFM's Procurement Director, providing proposal preparation and Project Management Support, having 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><b>Hector Avenue Route Topographic Survey, Gretna, Jefferson Parish, LA.</b> BFM provided Route Topographic Surveying services for the project; the full scope plan &amp; profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$29,240 (fee); 2018)</p> <p><b>Little Farms Avenue, Jefferson Parish, LA.</b> BFM executed a Route Topographic Survey of Little Farms Avenue, from the Jefferson Avenue intersection to the Airline Drive Intersection. The full scope plan &amp; profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$48,054 (fee); 2018)</p> <p><b>Route Topographic Surveying for Multiple Streets (VFW Area), City of Harahan, Jefferson Parish, LA.</b> BFM provided Route Topographic Surveying for roadway repair areas in the VFW Area in Harahan; street locations included portions of Kielman Street, VFW Boulevard, Marquette Street, &amp; Prados Street. The work involved the preparation of a Route Topographic Survey for each project; the full scope plan &amp; profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$11,260 (fee); 2018)</p>	

## TEC Professional Services Questionnaire

Other experience and qualifications: **John Philip Thayer (continued)**

**David Drive Corridor, Jefferson Parish, LA.** Continuation of a previous Route Topographic Survey project, the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Part of Jefferson Parish PW No. 2013-026-RB. (\$11,285 (fee); 2018)

**Metairie Road & Johnson Street – Route Topographic Survey, Jefferson Parish, LA.** BFM's survey work involved the preparation of a Route Topographic Survey (FEMA) for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$11,955 (fee); 2017)

**Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA.** BFM's surveying services involved the preparation of a Route Topographic Survey (FEMA) for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$41,135 (fee); 2017)

**Veterans Memorial Boulevard, Clearview Parkway to Severn Avenue, Jefferson Parish, LA.** BFM provided topographic surveying services for the project, which encompassed approximately 8300 linear feet of Veterans Memorial Boulevard. This included median crossing (e.g., U-turns) and runs between Clearview Boulevard and Severn Avenue. (\$31,384 (fee); 2016)

**Latigue Road Extension, Jefferson Parish, LA.** BFM executed surveying services related to the Latigue Road Extension project; this included surveying for a right-of-way acquisition. This was phase I of the project for the proposed extension from Foundry Road to Live Oak Boulevard. (\$8,896 (fee); 2015)

**Westwood Drive Rehabilitation, West Bank Expressway to Lapaclo Boulevard, Jefferson Parish, LA.** BFM provided topographic surveying services from right-of-way to right-of-way, median, roadway, sidewalks, subsurface utilities, and cross-sections. (\$50,770 (fee); 2014)

**MacArthur Drive Interchange Improvements – Phase 1B, US 90 B/ I-910, Jefferson Parish, LA.** BFM provided baseline control and additional topographic survey for revised alignment of proposed interchange. (\$4,500 (fee); 2012)

**Franklin Avenue (Gretna) Right-of-Way Boundary Survey, Gretna, Jefferson Parish, LA.** BFM provided right-of-way boundary surveying services for Franklin Avenue between Stumpf Boulevard and the West Bank Expressway and the Franklin Street Utility Corridor. (\$8,300 (fee); 2011)

**Airline Park Boulevard, Jefferson Parish, LA.** BFM provided topographic surveying services for the Airline Park Boulevard roadway project, which extended from West Metairie Avenue north to beyond Camphor Street. (\$18,176 (fee); 2010)

**Massachusetts Avenue Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying services for the project, which extended from W Napoleon Avenue to Veterans Memorial Boulevard. (\$28,515 (fee); 2009)

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	
<b>Dawn Hoffman</b> Researcher/Archivist	
<b>Project Assignment:</b>	
Researcher/Archivist	
<b>Name of Firm with which associated:</b>	
 <b>BFM CORPORATION, LLC</b> Professional Land & Hydrographic Surveying	
<b>Years' experience with this Firm:</b>	
15 years (joined BFM in 2009); 27 years total (1997)	<i>BFM Corporation, LLC   2009 to present</i> <i>Fluor Corporation   2007 to 2009</i> <i>Geographic Computer Technologies, LLC   2000 to 2007</i>
<b>Education: Degree(s)/Year/Specialization:</b>	
A.D., 1999, Computer-Aided Drafting, Southeast College of Technology Certificate, 2003, Introduction to ArcGIS, Louisiana State University	
<b>Active Registration: Year first registered/discipline:</b>	
N/A	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Dawn Hoffman serves as BFM's primary researcher and has more than 25 years of experience in this field. She is extremely knowledgeable with researching in various parishes and cities.</p> <p><b>Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA.</b> BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan &amp; profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)</p> <p><b>Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA.</b> BFM Corporation provided extensive surveying services for a topographic &amp; hydrographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope. (\$478,744 (fee); 2020)</p>	

## TEC Professional Services Questionnaire

Other experience and qualifications: **Dawn Hoffman (continued)**

**West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA.** BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

**Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA.** BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

**DOTD H.971941.1, Severn Avenue Corridor, Metairie, Jefferson Parish, LA.** BFM provided surveying services to locate potholes (SUE (subsurface utility engineering) potholing) in the corridor, which extended from Veterans Boulevard (north curb line) eastbound to West Esplanade Avenue (westbound south curb line). (\$13,500 (fee); 2017)

**Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA.** BFM prepared a topographic survey of the project site for the Metairie Road Smart Growth Program. This included Metairie Road beneath the Causeway Boulevard Overpass. BFM established a baseline parallel to Metairie Road, set up two temporary benchmarks (TBMs), and located all existing improvements. Cross sections for the project area were taken on a 25 ft. grid within established limits. (\$12,660 (fee); 2019)

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


**Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA.** BFM Corporation executed a Route Topographic Survey for the Allo Street project area, which extended from 4th Street to 6th Street. A baseline was established along the centerline of Allo Street, with Temporary Benchmarks at each intersection along the route. Cross sections taken on a 25 ft. grid. Existing improvements were located within the designated Limits of Survey, as were visible above-ground and underground utilities, piping, and natural features including trees and shrubbery. (\$12,855 (fee); 2019)

**Labarre Road Railroad Crossing, Metairie, Jefferson Parish, LA.** BFM executed a topographic survey with SUE (subsurface utility engineering) for the project. (\$7,556 (fee); 2017)

**DOTD H.008068, Peters Road Bridge and Extension Project (Phase 2), Jefferson Parish, LA.** BFM's surveying services included the stakeout of parcel (No. 4-2) for the project. (\$1,250 (fee); 2017)



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Anthony Watson</b> CADD Technician (AutoCADD Drafting Services)
<b>Project Assignment:</b>
CADD Technician (AutoCADD Drafting Services)
<b>Name of Firm with which associated:</b>
 <b>BFM CORPORATION, LLC</b> Professional Land & Hydrographic Surveying
<b>Years' experience with this Firm:</b>
13 years (joined BFM in 2011); 33 years total (1991) <div style="float: right; text-align: right;"> <i>BFM Corporation, LLC   2011 to present</i>  <i>Krebs LaSalle Lemieux / GEC   2008 to 2011</i>  <i>Doug Connally and Associates Land Surveying (Dallas, TX)   1995-2008</i>  <i>Electrician   1991 to 1995</i>  <i>City of Plano TX (Part-Time Drafting Services)   1991</i> </div>
<b>Education: Degree(s)/Year/Specialization:</b>
Coursework - CAD, Avatech Solutions, Los Colinas, TX
<b>Active Registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Anthony Watson has experience as a draftsman/survey technician, having started his career as an intern with the Surveying Department of the City of Plano, Texas. His experience through the years includes manual and computer-aided drafting for a wide range of projects, ranging from small lot surveys to subdivisions to municipal treatment and private industrial plants. He has experience in all facets of surveying (boundary, topographic, ALTA/ACSM, plan &amp; profile, etc.) in both drafting and field environments.</p> <p><b>Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA.</b> BFM Corporation provided Route Topographic Surveying for this Drainage Evaluation Project (PW 2018-024-DR) in Jefferson Parish. The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent R/W of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. (\$18,350 (fee); 2020)</p> <p><b>West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA.</b> BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM),</p>

## TEC Professional Services Questionnaire

Other experience and qualifications: **Anthony Watson (continued)**

and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

**Lapalco Boulevard Survey Update, Jefferson Parish, LA.** BFM prepared a Site Specific Update Survey for the Lapalco Boulevard project, which built on previous BFM surveys for the location. The field survey recovered and verified the horizontal and vertical control (from previous BFM projects noted). Spot elevations were taken; existing improvements within the designated Limits of Survey were noted. The survey also located utilities, pipes (drainage, water, sewerage), and trees. For the update, BFM specifically located newly-installed steel power poles and steel transmission towers, as well as the structures fronting along Lapalco Boulevard. Project deliverables included comprehensive/updated physical and digital files combining all new & previous survey data. (\$20,480 (fee); 2021)


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

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

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

**West Napoleon Avenue U-Turn Culvert Crossing Survey, Westgate Subdivision Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying of a u-turn on West Napoleon Avenue, midway between Massachusetts Avenue and Mississippi Avenue. The project, which was part of the Westgate Subdivision Drainage Improvements project, also included 16 cross sections. Box culverts were also part of the project layout. (\$4,941 (fee); 2011)

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	
<b>Curtis "Jay" Barrios</b> Survey Crew Chief	
<b>Project Assignment:</b>	
Survey Crew Chief	
<b>Name of Firm with which associated:</b>	
 <b>Professional Land &amp; Hydrographic Surveying</b>	
<b>Years' experience with this Firm:</b>	
34 years (joined BFM in 1990); 39 years total (1985)	<i>BFM Corporation, LLC   1990 to present</i> <i>Benson Mercedes Benz   1989 to 1990</i> <i>SECO Electric   1987</i> <i>Frishhertz Electric   1986 to 1987</i> <i>Plain Construction   1985 to 1986</i>
<b>Education: Degree(s)/Year/Specialization:</b>	
High School Diploma	
<b>Active Registration: Year first registered/discipline:</b>	
<i>American Traffic Safety Service Assn. – Traffic Flagger</i> <i>Basic OSHA Training Class Completion</i> <i>Transportation Work Identification Card (TWIC)</i>	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Jay Barrios' surveying experience includes boundary, hydrographic, and topographic. He has been the Survey Crew Chief for thousands of projects and is one of the more experienced surveyors in the area. Further, Mr. Barrios has been involved on major transmission projects for Entergy and South Central Bell (AT&amp;T).</p> <p><b>Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA.</b> BFM prepared a topographic survey of the project site for the Metairie Road Smart Growth Program. This included Metairie Road beneath the Causeway Boulevard Overpass. BFM established a baseline parallel to Metairie Road, set up two temporary benchmarks (TBMs), and located all existing improvements. Cross sections for the project area were taken on a 25 ft. grid within established limits. (\$12,660 (fee); 2019)</p> <p><b>Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA.</b> BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan &amp; profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere</p>	

## TEC Professional Services Questionnaire

Other experience and qualifications: **Curtis "Jay" Barrios (continued)**

Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)

**West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA.** BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

**Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA.** BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

**Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA.** BFM Corporation executed a Route Topographic Survey for the Allo Street project area, which extended from 4th Street to 6th Street. A baseline was established along the centerline of Allo Street, with Temporary Benchmarks at each intersection along the route. Cross sections taken on a 25 ft. grid. Existing improvements were located within the designated Limits of Survey, as were visible above-ground and underground utilities, piping, and natural features including trees and shrubbery. (\$12,855 (fee); 2019)

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

**Bonnabel Boulevard Bike Path, Metairie, Jefferson Parish, LA.** BFM provided surveying services for this bicycle path along Bonnabel Boulevard, extending from Veterans Memorial Boulevard to Lake Pontchartrain, in Metairie, LA. The scope included a Route Topographic Survey (plan only). (\$37,590 (fee); 2020)

**DOTD H.971941.1, Severn Avenue Corridor, Metairie, Jefferson Parish, LA.** BFM provided surveying services to locate potholes (SUE (subsurface utility engineering) potholing) in the corridor, which extended from Veterans Boulevard (north curb line) eastbound to West Esplanade Avenue (westbound south curb line). (\$13,500 (fee); 2017)

**Manhattan Boulevard Right Turn Lanes, Jefferson Parish, LA.** BFM prepared a topographic survey along the northbound lanes of Manhattan Boulevard from Gretna Boulevard to the South Frontage Road of the Westbank Expressway. (\$29,420 (fee); 2008)

## TEC Professional Services Questionnaire

- L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this project. Please include and 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:
<b>West Esplanade Avenue U-Turn at Bonnabel Canal</b> , Metairie, Jefferson Parish, Louisiana  <b>Jefferson Parish</b> <b>Department of Engineering</b> 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123  <b>Nolan Carreras</b> , 504-736-6515 ncarreras@jeffparish.net	BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet.
Completion Date (Actual or estimated:)	Estimated Cost:
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"><b>Entire Project:</b></div> <div style="width: 45%; text-align: center;"><b>Work for which Firm was Responsible:</b></div> </div>
May 2024	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;">N/A</div> <div style="width: 45%; text-align: center;">\$11,310 (fee)</div> </div>

### PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:
<b>West Napoleon Avenue Extension (Highway Park Subdivision)</b> , Jefferson Parish, Louisiana  <b>Linfield Hunter &amp; Junius, Inc.</b> 3608 18th Street Metairie LA 70002  <b>Mark Annino</b> , 504-833-5300	BFM provided Route Topographic Surveying services for the West Napoleon Avenue Extension Project, located at the Highway Park Subdivision in Jefferson Parish. The Phase 1 Limits of Survey were noted to be from the apparent right-of-way to apparent right-of-way along the Airport Access Road, from and extend approximately 225 feet North and South from the projected centerline of West Napoleon Avenue.
Completion Date (Actual or estimated:)	Estimated Cost:
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"><b>Entire Project:</b></div> <div style="width: 45%; text-align: center;"><b>Work for which Firm was Responsible:</b></div> </div>
January 2021	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;">N/A</div> <div style="width: 45%; text-align: center;">\$10,095 (fee)</div> </div>



## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Lapalco Boulevard Survey Update,</b> Jefferson Parish, Louisiana  <b>Hartman Engineering</b> 527 W Esplanade Ave Ste 300 Kenner LA 70065  <b>Jared Monceaux, P.E.,</b> 504-467-5667 jmonceaux@harteng.com	BFM prepared a Site Specific Update Survey for the project, which built on previous BFM surveys for the location. The field survey recovered and verified the horizontal and vertical control (from previous BFM projects noted). Spot elevations were taken; existing improvements within the designated Limits of Survey were noted. The survey also located utilities, pipes (drainage, water, sewerage), and trees. For the update, BFM specifically located newly-installed steel power poles and steel transmission towers, as well as the structures fronting along Lapalco Boulevard. Project deliverables included comprehensive/updated physical and digital files combining all new & previous survey data.	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
January 2021	N/A	\$20,480 (fee)

<b>PROJECT NO. 4</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Manhattan Boulevard Southbound Lanes Widening,</b> Harvey, Jefferson Parish, Louisiana  <b>Professional Engineering Consultants Corporation (PEC)</b> 3702 Bienville Avenue New Orleans LA 70119  <b>John Shires,</b> 504-345-4842 jshires@pecla.com	BFM executed a Route Topographic Survey of the Manhattan Boulevard southbound lanes from the West Bank Expressway to Gretna Boulevard; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Work consisted of multiple project elements over several years.	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
January 2021	N/A	\$77,733 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Cousins Boulevard Extension Project,</b> Harvey, Jefferson Parish, Louisiana  <b>Digital Engineering</b> 527 W Esplanade Ave Ste 200 Kenner LA 70065  <b>Frank T. Liang, P.E.,</b> 504-468-7515 fliang@deii.net	BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details.	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
August 2018	N/A	\$49,300 (fee)

<b>PROJECT NO. 6</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Metairie Road Drainage Evaluation,</b> Metairie, Jefferson Parish, Louisiana  <b>GEC, Inc.</b> 3445 N Causeway Blvd Ste 401 Metairie LA 70002-3779  <b>Jerome Lohmann,</b> 504-207-6926 jlohmann@gecinc.com	BFM Corporation provided Route Topographic Surveying for this Drainage Evaluation Project (PW 2018-024-DR) in Jefferson Parish. The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent R/W of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope.	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
May 2020	N/A	\$18,350 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396),</b> Jefferson Parish, Louisiana</p> <p><b>Hardesty &amp; Hanover</b> 3850 N Causeway Blvd Ste 1850 Metairie LA 70002</p> <p><b>Dr. Babak Naghavi, P.E.,</b> 504-962-9212 bnaghavi@hardestyhanover.com</p>	<p>BFM Corporation provided extensive surveying services for a topographic &amp; hydrographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2020	N/A	\$478,744 (fee)

<b>PROJECT NO. 8</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard),</b> Jefferson Parish, Louisiana</p> <p><b>Burk-Kleinpeter, Inc.</b> 4176 Canal Street New Orleans LA 70119</p> <p><b>Mark K. Roberts, P.E.,</b> 504-486-5901 mroberts@bkusa.com</p>	<p>BFM provided surveying services for the Lapalco Boulevard Turn Lane project (JPPW 2017-048-RBP), which involved a westbound left turn lane to southbound Lapalco Boulevard. BFM's scope included a Route Topographic Survey of Lapalco Boulevard at Barataria Boulevard; the full scope plan &amp; profile included all services, utilities, properties, elevations, cross sections, and items necessary to perform any and all engineering and construction work. The project site was subject to road closures during the survey and preliminary construction/preparation phase.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2018	N/A	\$46,854 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Power Boulevard at Vintage Drive,</b> Kenner, Jefferson Parish, Louisiana  <b>GEC, Inc.</b> 8282 Greenwood Boulevard Baton Rouge LA 70806  <b>Jerome Lohman, 225-612-3000</b>	A survey update was provided by BFM, which was a continuation of a previous surveying project executed by the company. The scope of work included updating or addition of topographic survey at the intersection of Vintage Drive and Power Boulevard, and shooting two cross sections along the canal adjacent to a proposed bridge location. BFM further located the waterline, new monument along Power Boulevard, and located the monument of Lot 7 and adjacent property line along Janice Street and Vintage Boulevard.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2019	N/A	\$11,390 (fee)

<b>PROJECT NO. 10</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Metairie Road Smart Growth: Causeway Boulevard and Metairie Road,</b> Metairie, Jefferson Parish, Louisiana  <b>H. Davis Cole &amp; Associates, Inc.</b> 1340 Poydras Street Suite 1850 New Orleans LA 70112  <b>David Martin, P.E., 504-836-2020</b>	BFM prepared a topographic survey of the project site for the Metairie Road Smart Growth Program. This included Metairie Road beneath the Causeway Boulevard Overpass. BFM established a baseline parallel to Metairie Road, set up two temporary benchmarks (TBMs), and located all existing improvements. Cross sections for the project area were taken on a 25 ft. grid within established limits.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2019	N/A	\$12,660 (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>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</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 EXPERIENCE**

Established in 1982, **BFM Corporation, LLC, Professional Land & Hydrographic Surveying**, provides services to public & private concerns throughout Louisiana and the Gulf South. For over 40 years, BFM has provided surveying services covering all facets of engineering, construction, and forensics; topographic, and hydrographic, as well as drone-based surveying and high-definition laser scanning.

**BFM Corporation 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 & LiDAR and 3D Laser Scanning
- Bathymetric / Hydrographic Surveys
- Property, Boundary, and Right-of-Way Surveys
- Maps, Cross-Sections, & Data Sets; Benchmarks



## TEC Professional Services Questionnaire

N. continued.

- Construction-Related Surveying and 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 allowing 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 provides **bathymetric surveying** to handle **any hydrographic surveying tasks**. For large rivers and bodies of water, we are 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. We use Hypack Software to process collected data. Further, BFM can execute multi-beam scans, side scans and magnetometer surveys upon request.

**Please refer to our projects included in Item L and in our personnel listings in Item K for specific type project examples and an overview of our surveying experience with this project type.**

### CRITERIA 2 | 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.

## TEC Professional Services Questionnaire

N. continued.

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 3 | CAPACITY FOR TIMELY COMPLETION

BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by a contract or project engineer. It is our 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**, Executive Vice President, 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.

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

**Gary J. Lambert, Jr., PLS**, Vice President is a **registered Professional Land Surveyor** and provides Project Management & Drafting Oversight and is the first point of contact for clients on technical matters. He meets with engineering, architectural, and government officials to discuss various project needs.

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 4 | PAST PERFORMANCE ON PARISH CONTRACTS

BFM Corporation 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 State 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 over 40 years with BFM. **He has provided professional surveying services for thousands of projects for and throughout Jefferson Parish.**

## TEC Professional Services Questionnaire

N. continued.

### CRITERIA 5 | LOCATION OF THE 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 6 | LEGAL STATEMENT

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 7 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

For over 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 Dept.**  
(504-736-6783 | JPPW@jeffparish.net)

**José A. Gonzales, CAO, City of Kenner**  
(504-468-4090 | jgonzalez@kenner.la.us)

**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)

**Ben Lapine, Acting Director, Department of Drainage, Jefferson Parish**  
(504-736-6661 | JPSewerage@jeffparish.net)

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

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

Signature: \_\_\_\_\_

Print Name: Chad M. Poché, P.E.

Title: Executive Vice President


Date: June 20, 2024

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	09/30/2025	Mr. Ralph P. Fontcuberta Jr. # PLS.0004329



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**      **09/30/2024**

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**      **09/30/2024**

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**      **03/31/2026**

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. William Mead Farber**

License/Certificate Type - Number      Expiration Date  
**EI.0033903**      **03/31/2025**

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 9/13/2023 to 9/13/2024 .

Certification No. 9551

Stephanie Hartman,  
Director, Entrepreneurial Services





**City of Kenner**

1926 18th Street  
Kenner, LA 70062

BFM CORPORATION  
15 VETERANS BLVD  
KENNER, LA 70062

**\*\* NOTICE \*\***

This license becomes null & void if ownership, business name or address is changed. Licensee must apply within 10 days of such change for transfer. Fee will apply. All applicable building & zoning regulations pertaining to business location must be followed.

BFM CORPORATION, LLC  
15 VETERANS MEMORIAL BLVD  
KENNER, LA 70062

**2024**

**Business License ID**  
407

**Type**  
LIMITED LIABILITY COMPANY  
SURVEYING SERVICES

**Business  
License**

**Number**  
1595

**Issued**  
01/09/2024

**Valid thru**  
12/31/2024

**\*\*\* POST THIS LICENSE IN A CONSPICUOUS PLACE \*\*\***

**Jefferson Parish TEC  
Professional Services Questionnaire**

**For**

**GSET, Inc.**

## TEC Professional Services Questionnaire

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

Provision of Routine Engineering Services for

### Streets Projects in Jefferson Parish

SOQ **24-021** | Resolution No. **144319**

**B. Firm Name & Address:**



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

15 Veterans Memorial Boulevard | Kenner LA 70062

**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:**

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

504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com

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

**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:**

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

504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com

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

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

<u>7</u>	Administrative	<u>      </u>	Estimators	<u>      </u>	Specification Writers
<u>      </u>	Architects (Licensed)	<u>      </u>	Geologists	<u>      </u>	Structural Engineers
<u>      </u>	Chemical Engineers	<u>2</u>	Geotechnical Engineers	<u>      </u>	Graduate Engineers
<u>      </u>	Civil Engineers	<u>      </u>	Interior Designers	<u>1</u>	Project Managers
<u>10</u>	Construction Inspectors	<u>      </u>	Landscape Architects	<u>      </u>	Clerical ( <i>see Administrative</i> )
<u>      </u>	Ecologists	<u>      </u>	Land Surveyor ( <i>Apprentice</i> )	<u>      </u>	Grant/Funding Specialist
<u>      </u>	Electrical Engineers	<u>      </u>	Mechanical Engineers	<u>      </u>	Sanitary Engineers
<u>      </u>	Engineer Intern	<u>      </u>	Environmental Engineers	<u>1</u>	CMT Supervisor
<u>1</u>	Professional Land Surveyors	<u>      </u>		<u>1</u>	Construction Svcs Manager
				<u>4</u>	Laboratory Personnel
				<u>3</u>	Soil Boring Personnel
				<u>30</u>	<b>TOTAL</b>

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

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

## TEC Professional Services Questionnaire

<b>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.</b>		
<b>1.</b> <div style="text-align: center; font-size: 1.2em;">N/A</div>		
<b>2.</b>		
<b>H. Has this JOINT-VENTURE previously worked together? Please check:</b> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>YES_____</span> <span>NO_____</span> <span>N/A</span> </div>		
<b>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.</b>		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
<b>1.</b> <div style="text-align: center; font-size: 1.2em;">N/A</div>		
<b>2.</b>		
<b>3.</b>		
<b>J. Please specify the total number of support personnel that may assist in the completion of the Project:</b> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border-bottom: 1px solid black; width: 100px; text-align: center; font-size: 1.2em;">30</div> <span style="margin-left: 10px;">(all personnel will be available for assignment to the project)</span> </div>		

## 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 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:**

**Chad M. Poché, P.E.**

Executive Vice President / Registered Professional Geotechnical Engineer

**Project Assignment:**

Geotechnical Engineer / Principal In Charge

**Name of Firm with which associated:**



**Years' experience with this Firm:**

13 years (founded Gulf South in 2011);  
31 years total (1993)

*BFM Corporation, LLC | 2017 to present*  
*Gulf South Engineering and Testing, Inc. | 2011 to present*  
*Ardaman and Associates, Inc. | 2007 to 2011*  
*Eustis Engineering | 1996 to 2001*  
*Soil Testing Engineers, Inc. | 1993 to 1996*

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

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

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

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

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

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

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



## TEC Professional Services Questionnaire

Other experience and qualifications: **Chad M. Poché, P.E. (continued)**

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.

**Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA.** Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (fee); 2022)

**Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)


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

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

**Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA.** Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. (\$8,500 (fee); 2015)

**Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA.** Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations. (\$8,000 (fee); 2015)

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	
<b>Bryson S. Beard, P.E., ACI</b> Associate Geotechnical Engineer/Field Engineer	
<b>Project Assignment:</b>	
Associate Geotechnical Engineer/Field Engineer	
<b>Name of Firm with which associated:</b>	
<div style="display: flex; align-items: center;">  <div> <b>ENGINEERING AND TESTING, INC.</b>            Geotechnical &amp; Materials Consultants         </div> </div>	
<b>Years' experience with this Firm:</b>	
2 years (joined Gulf South in 2022); 3 years total (2021)	<i>Gulf South Engineering and Testing, Inc.   2022 to present</i> <i>TetraTech, Inc.   2021 to 2022</i>
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S., Geological Engineering (2021; University of Mississippi)	
<b>Active Registration: Year first registered/discipline:</b>	
Louisiana P.E. License Passed October 2023 Georgia, Engineering Intern (No. EIT029180, 2022)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Bryson S. Beard, P.E., is an Associate Geotechnical Engineer/Field Engineer who serves as a Project Manager. He has performed geotechnical engineering analyses consisting of shallow and deep foundations, slope stability, TRS and sheetpile wall design, settlement, pavement design, etc., and has prepared engineering reports. Mr. Beard's experience in the field includes surface and subsurface soil sampling, water sampling, and soil classification. His work experience further includes core logging and oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. He is experienced with laboratory sample preparation and testing as well as air sampling and soil gas sampling.</p> <p><b>Mr. Bryson recently passed his Louisiana Professional Engineering test and will be a noted P.E. for the State of Louisiana once he fulfills the apprenticeship requirements set forth by LAPELS.</b></p> <p><b>Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA.</b> Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (fee); 2022)</p>	

## TEC Professional Services Questionnaire

Other experience and qualifications: **Bryson S. Beard, P.E., ACI (continued)**

**Barber Road Bank Stabilization, Paradis, St. Charles Parish, LA.** Geotechnical engineering services for portions of the road that have failed or are failing into the ditch along Barber Road in Paradis, LA. Gulf South's scope includes drilling five borings (depth of 40 feet below ground surface), laboratory testing, engineering analyses (slope stability analyses, pavement design) and general construction procedures and recommendations. (\$12,000 (fee); 2022)

**Geotechnical Exploration Proposal: Off System Road Bridge Replacement, Lock No. 2 Road, St. Tammany Parish, LA.** Geotechnical engineering services for the project which consists of the construction of a replacement bridge across an existing canal off Lock No. 2 Road in St. Tammany Parish, LA. The new bridge will be pile supported and designed in accordance with Louisiana DOTD standards. The scope of services included subsurface exploration, associated geotechnical laboratory testing, and engineering services based upon project requirements. Gulf South's scope includes field exploration (drilling of soil borings), laboratory testing, engineering analyses (pile load capacities, settlement estimates, flexible pavement design recommendations, sieve analyses of stream bed soils) and general construction procedures and recommendations. (\$12,500 (fee); 2022)


**Brewster Road/LA 1077 Drainage Improvements, Madisonville, St. Tammany Parish, LA.** Geotechnical engineering services for drainage improvements at the existing parish canal off LA-1077 and Galatas Road in Madisonville, St. Tammany Parish, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet (2 locations) and 30 feet (3 locations) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$20,000 (fee); 2022)

**E. Minnesota Park Roundabout Study (Minnesota Park Rd. and S. Range Rd.), Hammond, Tangipahoa Parish, LA.** Geotechnical engineering services for the construction of a new paved roundabout roadway intersection at Minnesota Park Road and S. Range Road in Hammond, LA. Gulf South's scope includes drilling five undisturbed soil borings each to a depth of 10 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations for Rigid or Flexible pavements. (\$8,500 (fee); 2023)

**New Roundabout (Lowes Ave at LA Hwy 44), Gonzales, Ascension Parish, LA.** Geotechnical engineering services for the construction of a paved roundabout at the intersection of Lowes Avenue and Louisiana Highway 44 in Ascension Parish, LA. Gulf South's scope includes drilling four undisturbed soil borings (3 borings through existing pavement and 1 boring within an unpaved area) to depths of 10 feet below the ground surface, pavement coring, traffic control, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$9,500 (fee); 2023)

**Level Street Overlay, Town of Abita Springs, St. Tammany Parish, LA.** Geotechnical engineering services for the mill and overlay of Level Street (overall length of approx. 10,000 ft.) in Abita Springs, LA. Gulf South's scope of services included drilling 10 undisturbed soil borings to depths of four feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$4,500 (fee); 2023)

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	
<b>Joseph H. “Trey” Binder, III, ACI</b> Laboratory Manager	
<b>Project Assignment:</b>	
Laboratory Manager; Laboratory Technician	
<b>Name of Firm with which associated:</b>	
<div style="display: flex; align-items: center;">  <div> <b>ENGINEERING AND TESTING, INC.</b>            Geotechnical &amp; Materials Consultants         </div> </div>	
<b>Years’ experience with this Firm:</b>	
13 years (joined Gulf South in 2011); 13 years total (2011)	<i>Gulf South Engineering and Testing, Inc.   2011 to present</i> <i>Ardaman and Associates, Inc.   2007 to 2011</i> <i>Soil Testing Engineers, Inc.   2006 to 2007</i>
<b>Education: Degree(s)/Year/Specialization:</b>	
A.D., General Studies (2006; Nunez Community College)	
<b>Active Registration: Year first registered/discipline:</b>	
HAZMAT Awareness HAZMAT Operations Training ACI Aggregate Base Testing Technician ACI Concrete Strength Testing Technician	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Trey Binder has direct experience with field and laboratory testing services. Mr. Binder’s field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.</p> <p><b>Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA.</b> Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South’s scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (fee); 2022)</p> <p><b>Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), Jefferson Parish, LA.</b> Gulf South provided the materials testing and inspection during construction. Gulf</p>	

## **TEC Professional Services Questionnaire**

Other experience and qualifications: **Joseph H. "Trey" Binder, III, ACI (continued)**

South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)

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

**West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA.** Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$10,000 (fee); 2019)

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

**FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA.** Perform asphalt and roadway testing and inspection as requested. (\$15,000 (fee); 2014)


**FEMA Submerged Roads Program (CMT): Phase 3, Metairie, Jefferson Parish, LA.** Perform asphalt and roadway testing and inspection as requested. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. Gulf South also provided asphalt batch plant inspection. (\$10,000 (fee); 2016)

**Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA.** Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. (\$8,500 (fee); 2015)

**Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA.** Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations. (\$8,000 (fee); 2015)



## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	
<b>Eric A. Paille, C.E.T., ACI</b> Construction Services Manager	
<b>Project Assignment:</b>	
Construction Services Manager	
<b>Name of Firm with which associated:</b>	
<div style="display: flex; align-items: center;">  <div> <b>ENGINEERING AND TESTING, INC.</b>            Geotechnical &amp; Materials Consultants         </div> </div>	
<b>Years' experience with this Firm:</b>	
13 years (joined Gulf South in 2011); 35 years total (1989)	<i>Gulf South Engineering and Testing, Inc.   2011 to present</i> <i>Ardaman and Associates, Inc.   2007 to 2011</i> <i>Soil Testing Engineers, Inc.   1988 to 2007</i>
<b>Education: Degree(s)/Year/Specialization:</b>	
High School Diploma	
<b>Active Registration: Year first registered/discipline:</b>	
<i>ACI-I Field Technician (since 1991; No. 929012)</i> <i>Certified Engineering Technician (since 1992)</i> <i>Nuclear Gauge Safety Training (since 1994; No. 061321)</i> <i>Pile Driving Analyzer/CAPWAP, OSHA 40 HAZWOPER</i>	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Eric A. Paille, C.E.T., ACI, serves as Gulf South's Construction Services Manager as well as the manager of our Gonzales office. He has experience as a technician, inspector, and testing manager, and is knowledgeable in all aspects of construction materials testing and construction inspection. Mr. Paille has performed all applicable field and soil tests over the past 30+ years. In addition, he is certified in the safe use and handling of the nuclear density gauge. He received PDA training in 2003 and has knowledge of PDA testing along with significant experience with pile driving analyzers. Mr. Paille is one of the most knowledgeable people in our industry.</p> <p><b>Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA.</b> Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 &amp; 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. (\$8,500 (fee); 2015)</p>	

## TEC Professional Services Questionnaire

Other experience and qualifications: **Eric A. Paille, C.E.T., ACI (continued)**

**FEMA Submerged Roads Program (CMT): Phase 3, Metairie, Jefferson Parish, LA. Perform asphalt and** roadway testing and inspection as requested. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. Gulf South also provided asphalt batch plant inspection. (\$10,000 (fee); 2016)

**FEMA Submerged Roads Program (CMT): Phase 4, Metairie, Jefferson Parish, LA.** Project consisted of the construction of new paving and roadways for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing concrete and asphalt testing and inspection, and earthwork testing and inspection including soil sampling and field density tests. (\$7,500 (fee); 2015)

**FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA.** Perform asphalt and roadway testing and inspection as requested. (\$15,000 (fee); 2014)

**New Orleans Streets Program (RR 010), Broadmoor Group A, City of New Orleans LA.** Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$54,081 (fee); 2020)

**MLK Boulevard, Claiborne to St. Charles Avenue (DPW573), City of New Orleans, LA.** Gulf South is providing construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$52,000 (fee); 2023)


**West End Group B (RR194), New Orleans, LA.** Gulf South is provided construction materials testing and inspection during construction of the Mid City Group B Project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$21,691 (fee); 2023)

**Roadway and Drainage Infrastructure Improvements (Destrehan Drive and River Oaks Drive), Destrehan, St. Charles Parish, LA.** Gulf South provided geotechnical engineering services for drainage improvements at two existing roadways sites within the City of Destrehan in St. Charles Parish, LA. Scope of services includes drilling six undisturbed soil borings (depths of 10 ft. below the ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$4,500 (fee); 2021)

**Central City Group A (RR021), City of New Orleans, LA.** Gulf South is providing construction materials testing and inspection during construction of the Central City Group A Project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$49,062 (fee); 2023)

**St. James Road Program 2023 (Nicole Street), Paulina, St. James Parish, LA.** Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests and asphalt inspection. (\$7,220 (fee); 2023)

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	
<b>Ian Kerner Poché, ACI</b> Assistant Laboratory Supervisor	
<b>Project Assignment:</b>	
Assistant Laboratory Supervisor	
<b>Name of Firm with which associated:</b>	
<div style="display: flex; align-items: center;">  <div> <b>ENGINEERING AND TESTING, INC.</b>            Geotechnical &amp; Materials Consultants         </div> </div>	
<b>Years' experience with this Firm:</b>	
7 years (joined Gulf South in 2017); <span style="float: right;">Gulf South Engineering and Testing, Inc.   2017 to present</span> 7 years total (2017)	
<b>Education: Degree(s)/Year/Specialization:</b>	
High School Diploma	
<b>Active Registration: Year first registered/discipline:</b>	
ACI Concrete Field Testing Technician - Grade 1 (exp 2028 03) ACI Aggregate Testing Technician - Level 1 (exp 2029 02 27)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Ian Poché has worked in Gulf South's laboratory for several years and has experience with virtually every type of soil test. He has also helped when needed in the CMT department and has concrete testing experience, and is an ACI-certified Concrete Field Testing Technician.</p> <p><b>Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA.</b> Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (fee); 2022)</p> <p><b>Kinler &amp; Paul Fredrick Street Drainage Improvements, Luling, St. Charles Parish, LA.</b> Geotechnical investigation for paved and/or reconstruction of Kinler and Paul Frederick Streets in Luling in St. Charles Parish, LA. Scope included drilling a total of 10 undisturbed soil borings for the project (5 borings within each roadway; 10 feet bps). Geotechnical laboratory testing was performed on selected samples collected during the exploration in accordance with appropriate ASTM standards; this included strength tests (unconfined and/or triaxial) and classification tests (Atterberg Limits and/ or particle size). Following the collection of the field and laboratory data, a geotechnical engineer performed the evaluations necessary to characterize the subsoil conditions of the site and develop the engineering recommendations and analyses. This included current pavement materials and thicknesses, flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2022)</p>	

## TEC Professional Services Questionnaire

Other experience and qualifications: **Ian Kerner Poché, ACI (continued)**

**New Orleans Streets Program (RR 010), Broadmoor Group A, City of New Orleans LA.** Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$54,081 (fee); 2020)

**Geotechnical Exploration Proposal for the Lafreniere Park Healthtrack, Metairie, Jefferson Parish, LA.** Gulf South was selected to provide a Geotechnical Exploration for the project site which consists of the reconstruction of the existing exercise walkway and the addition of approximately 1,000 feet of new walkway at Lafreniere Park in Metairie, LA. The existing walkway is approximately 2.5 miles long and will consist of the removal and reconstruction of the pavement and base using an asphalt paved section. The new section will consist of a concrete paved walkway. Gulf South's scope of work includes subsurface exploration, associated geotechnical laboratory testing, and engineering services based upon outlined project requirements. (\$12,000 (fee); 2022)

**Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, LA.** Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report. (\$48,000 (fee); 2024)

**Geotechnical Exploration Report for New Fire Station 18, Metairie, Jefferson Parish, LA.** Gulf South prepared a Geotechnical Exploration Report for the construction of a new first station facility (Fire Station No. 18) (with associated parking and driveways) at 3222 Melville Dewey drive in Metairie, Louisiana. The study included drilling soil test borings and the performance of soil mechanics laboratory tests to evaluate the soil's physical characteristics. Engineering analyses were made and based on the field and laboratory test data to develop recommendations for the project. Scope included drilling three undisturbed soil borings to depths of 70 feet and 8 feet below the pavement surface. Soil testing consisted of natural moisture content, unit weight, Atterberg limits, and unconfined strength testing. The analyses and recommendations presented in the report provided recommendations for design and construction of the building and parking & roadway surfaces. (\$8,500 (fee); 2023)

**New Building and Paved Areas, Jefferson Parish Transit Facility, Jefferson Parish, LA.** Gulf South provided geotechnical engineering services for the construction of a new two-story (7,300 sf) building located at 1118 David Drive in Kenner, LA. Field investigation included drilling four undisturbed soil borings (depths below the ground surface of 60 ft for the new building and 10 feet for the new paved area) and sampled on 5 foot centers. Laboratory testing included strength tests, classification tests, with other testing as appropriate. Geotechnical engineering evaluation characterized the subsoil conditions of the site and developed engineering recommendations and analyses (allowable soil bearing values, allowable pile load capacities, estimate of settlement, pavement design, and general construction procedures and recommendations. (\$8,900 (fee); 2020)

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<b>Brandon A. Paille, ACI</b> Construction Materials Testing (CMT) Supervisor/Project Manager	
Project Assignment:	
Construction Materials Testing (CMT) Supervisor/Project Manager	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <b>ENGINEERING AND TESTING, INC.</b>            Geotechnical &amp; Materials Consultants         </div> </div>	
Years' experience with this Firm:	
5 years (2012-2016; 2023 to present); 14 years total (2010)	<i>Gulf South Engineering and Testing, Inc.   2023 to present</i> <i>Ascension Parish Sheriff's Office   2016 to 2023</i> <i>Gulf South Engineering and Testing, Inc.   2012 to 2016</i> <i>Ardaman and Associates, Inc.   2010 to 2012</i>
Education: Degree(s)/Year/Specialization:	
High School Diploma	
Active Registration: Year first registered/discipline:	
APNGA Nuclear Gauge Safety ACI Field Technician Level 1 OSHA Safety Training – 8 hr.	
Other experience and qualifications relevant to the proposed Project:	
<p>Brandon A. Paille, ACI has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, hydrometers, Atterberg limits, organic contents, moisture contents, proctor compaction tests, sieve analyses, as well as extrusion of samples. Mr. Paille's field experience includes soil inspection and testing consisting of nuclear density testing, soil boring logging, concrete testing and inspections, timber and precast pile logging and vibration monitoring. In Mr. Paille's years in the construction materials testing industry, he has obtained a vast amount of knowledge and experience which makes him an integral part of our Gulf South Team.</p> <p><b>St. James Road Program 2023 (Nicole Street), Paulina, St. James Parish, LA.</b> Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests and asphalt inspection. (\$7,220 (fee); 2023)</p> <p><b>FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA.</b> Perform asphalt and roadway testing and inspection as requested. (\$15,000 (fee); 2014)</p> <p><b>FEMA Study - Flood Damaged Roads (Parish-Wide), Ascension Parish, LA.</b> Gulf South performed over 30 pavement cores to measure in place base and surface material types and thickness, and collected samples for testing. The firm further performed laboratory analyses and engineering evaluation to determine the effects of flooding and submerged time on various base types. (\$20,000 (fee); 2017)</p>	



## TEC Professional Services Questionnaire

Other experience and qualifications: **Brandon A. Paille, ACI (continued)**

**Submerged Roads Program: District 5, Project 1, Jefferson Parish, LA.** Gulf South performed asphalt testing and inspection as instructed by the client. (\$12,000 (fee); 2013)

**New North Terminal – Roads, Louis Armstrong New Orleans International Airport, LA.** Gulf South performed field and laboratory testing during construction of various roads at the New North Terminal at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Gulf South provided QA oversight of the contractor for the owner for this \$1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. (\$250,000 (fee); 2019)

**2015 Road Maintenance Project (Phase 2), Ascension Parish, LA.** Gulf South performed inspection and field and laboratory testing during construction of road maintenance projects throughout Ascension Parish. These projects consisted of many roads and thousands of linear feet of new road sections. Scope of work included asphalt coring, thickness and density measurements, base course testing and inspection, and asphalt testing & inspection. (\$31,000 (fee); 2016)

**2015 Road Maintenance Project (ENG-15-001), Ascension Parish, LA.** Gulf South performed inspection and field and laboratory testing during construction of the road maintenance projects throughout Ascension Parish. These projects consisted of many roads and thousands of linear feet of new road sections. Scope of work included asphalt coring, thickness and density measurements, base course testing and inspection, and asphalt testing & inspection. (\$29,729 (fee); 2016)

**2014 Road Maintenance Project, Ascension Parish, LA.** Gulf South performed inspection and field and laboratory testing during construction of the road maintenance in Ascension Parish. (\$65,000 (fee); 2015)

**CNO Touro - Roads, Sidewalk and Curb, New Orleans, LA.** Perform construction material testing and inspection during construction of the CNO Touro Roads, Sidewalk and Curb in New Orleans. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. (\$10,000 (fee); 2014)

**FEMA Submerged Roads Program, Bayou St. John & Fairgrounds Neighborhoods, City of New Orleans, LA.** Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thickness and material types). This investigation was for the Seventh Ward Neighborhoods in New Orleans, LA. Scope of work included drilling 8 pavement cores and 2 soil borings to a depth of 5 feet (2 in concrete, 4 in asphalt, 2 in combo. concrete/asphalt), performing laboratory testing, and providing engineering reports of our findings. (\$7,786 (fee); 2014)

**FEMA Submerged Roads Program, Florida Avenue Neighborhood, City of New Orleans, LA.** Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thicknesses and material types). This investigation was for the Florida Avenue Neighborhood in New Orleans, LA. Scope of work included drilling 19 pavement cores and soil borings to a depth of 5 feet (13 in asphalt and 6 in concrete), performing laboratory testing, and providing engineering reports of our findings. (\$20,945 (fee); 2013)

## TEC Professional Services Questionnaire

- L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this project. Please include 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:
<b>Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.),</b> City of Kenner, Jefferson Parish, Louisiana  <b>Hartman Engineering, Inc.</b> 527 W Esplanade Ave Ste 300 Kenner LA 70065  <b>B.K. Sneed, 504-466-5667</b> bksneed@harteng.com	Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations.
Completion Date (Actual or estimated:)	Estimated Cost:
	Entire Project:      Work for which Firm was Responsible:
June 2022	N/A      \$14,000 (fee)

### PROJECT NO. 2

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

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Latigue Road Extension (Phase I; Live Oak Blvd. to Foundry Rd.),</b> Jefferson Parish, Louisiana  <b>ECM Consultants, Inc.</b> 4409 Utica Street Suite 200 Metairie LA 70006  <b>Sunina Shrestha, P.E.,</b> 504-885-4080 sshrestha@ecmconsultants.com	Geotechnical investigation for a new paved extension road (approx. 1,000 lf) between Live Oak Boulevard and Foundry Road in Jefferson Parish, LA. Gulf South's scope includes drilling undisturbed soil borings (three at 10 ft.), lab testing, and engineering analyses including flexible pavement design recommendations and general construction procedures & recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2018	N/A	\$7,000 (fee)

<b>PROJECT NO. 4</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Airline Park Boulevard Rehabilitation and Drainage Upgrade (West Napoleon to Camphor),</b> Jefferson Parish, Louisiana  <b>PECC</b> 3702 Bienville Avenue, Suite C New Orleans LA 70119  <b>John Shires, P.E.,</b> 800-749-2810 jshires@pecla.com	Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor in Metairie, LA. Gulf South's scope of work included drilling four soil borings to depths of 15 and 50 feet, laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
February 2015	N/A	\$8,500 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<b>David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive),</b> Jefferson Parish, Louisiana  <b>Rahman &amp; Associates, Inc.</b> 3645 Williams Blvd Ste 208 Kenner LA 70065  <b>Tafoor Hameed, P.E.,</b> 504-469-0022 tafoor@bellsouth.net	Geotechnical investigation for the reconstruction of David Drive and the construction of drainage improvements (approx. 3000 ft.) along David Drive from W. Esplanade Avenue to Bruin Drive in Metairie. Gulf South's scope includes drilling four soil borings each to a depth of 20 feet, lab testing, and geotechnical engineering analysis including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, pavement design recommendations, and general construction recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2015	N/A	\$7,500 (fee)

<b>PROJECT NO. 6</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.),</b> Jefferson Parish, Louisiana  <b>Jefferson Parish Department of Engineering</b> 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123  <b>Ryan Breaux, P.E.,</b> 504-736-6514 rabreaux@jeffparish.net	Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	N/A	\$17,500 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Trudeau Drive Drainage Improvements at West Metairie Canal</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Hatch Mott MacDonald</b> 650 Poydras Street, Suite 2025 New Orleans LA 70130</p> <p><b>Many Heymann, P.E.</b>, 504-799-0437 many.heyman@hatchmott.com</p>	<p>Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
October 2015	N/A	\$8,000 (fee)

<b>PROJECT NO. 8</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Green Acres Road – New Street Lighting</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Pivotal Engineering, LLC</b> 1515 Poydras St Ste 1875 New Orleans LA 70112</p> <p><b>Yoseph Shifare, P.E., PTOE, PMP</b> 504-799-3653 yshifare@pivotaleng.com</p>	<p>Geotechnical investigation for construction of a new street lighting along Green Acres Road (Airline Highway to West Metairie Boulevard) in Metairie, LA. Gulf South's scope includes drilling two undisturbed soil borings (depths of 24 ft), lab testing, and engineering analyses including subsoil properties, and general construction procedures and recommendations.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
February 2019	N/A	\$4,500 (fee)



## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue),</b> Jefferson Parish, Louisiana  <b>Perrin &amp; Carter, Inc.</b> 3501 Ridgelake Drive Metairie LA 70002  <b>Georgia Dufresne, 504-831-7958</b> gdufresne@perrincarter.com	Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2019	N/A	\$10,000 (fee)

<b>PROJECT NO. 10</b>		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<b>West Esplanade Avenue Restoration (Tartan Drive to Haring Road),</b> Metairie, Jefferson Parish, Louisiana  <b>APTIM Environmental &amp; Infrastructure, Inc.</b> 2424 Edenborn Avenue, Suite 450 Metairie LA 70001  <b>Gene Gillen, 504-832-4878</b> gene.gillen@aptim.com	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.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2019	N/A	\$10,000 (fee)

## TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.		
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.	<div style="border: 1px solid black; padding: 10px; margin: 5px;"> <p><i>Gulf South Engineering and Testing, Inc. is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i></p> </div>	
2.		
3.		
4.		

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



**ENGINEERING AND TESTING, INC.**  
Geotechnical & Materials Consultants

### CRITERIA 1 | PROFESSIONAL TRAINING AND 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 nearly three dozen employees.

**Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and 300 construction materials testing and inspection projects each year.** These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection.

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

#### **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.

## TEC Professional Services Questionnaire

N. continued.

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. Further, 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 & inspection services for structures, earthwork, foundations, pipelines, and pavements. The range of services provided includes:

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

## TEC Professional Services Questionnaire

### N. continued.

- Concrete testing and inspection
- Soil testing (field and laboratory)
- Asphalt testing
- Pile (driven & augercast) and shaft installation monitoring
- Load tests
- Earthwork/proof roll inspection
- Welding inspection
- Steel inspection
- Noise monitoring
- Prepare daily field reports and/or field books
- Maintain records per the client's directive

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

**Please refer to our projects included in Item L and in our personnel listings in Item K for specific type project examples and an overview of our professional experience with this project type.**

#### CRITERIA 2 | SIZE OF FIRM

At over 30 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 can readily meet the time and budget constraints for projects assigned to this contract. Our current workload is such that we can expeditiously complete projects for this contract.

#### CRITERIA 3 | CAPACITY FOR TIMELY COMPLETION

Activity is dependent on the scope of work as well as site access and conditions, however; typically soil borings can be started within one week of receiving notice to proceed with a final product delivered within 3 to 4 weeks of completing the borings. Gulf South's workload & scheduling, coupled with our headquarters being nearby, will allow for assignment of key personnel shortly after any project is assigned.

#### CRITERIA 4 | 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. 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.

#### CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

**Gulf South Engineering and Testing has been headquartered in Jefferson Parish since beginning operations in 2011;** our principal office is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner. We also maintain an office in Gonzales, LA.

## TEC Professional Services Questionnaire

N. continued.

### CRITERIA 6 | LEGAL STATEMENT

As stated in Item M, Gulf South has had no litigation, past or present, with Jefferson Parish, nor any of our clients.

### CRITERIA 7 | 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. Founding principal and Executive Vice President of Gulf South, Chad M. Poché, P.E., has been a practicing registered geotechnical engineer in South Louisiana since 1998. He has specialized training and experience in geotechnical engineering throughout Louisiana.

As evidenced in the provided projects and personnel résumés, key personnel 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 can submit data in formats acceptable and customized to our clients' needs.

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

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

**Ben Lepine, Acting Director, Drainage Department, Jefferson Parish**  
(504-736-6751 | JPDrainage@jeffparish.net)

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

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

**Michael B. Cooper, Parish President, St. Tammany Parish**  
(985-898-2362 | president@stpgov.org)

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

**José A. Gonzales, CAO, City of Kenner**  
(504-468-4090 | jgonzalez@kenner.la.us)

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

Signature: \_\_\_\_\_

Print Name: Chad M. Poché, P.E.

Title: Executive Vice President

Date: June 20, 2024



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, PE15 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	03/31/2025	Mr. Chad Mitchell Poche# PE.0027667



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

09/30/2024

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

09/30/2024

Status: **Active**



**DIVISION OF SMALL BUSINESS SERVICES**

This certification acknowledges that

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

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

This certification is valid from 12/27/2023 to 12/27/2024 .

Certification No. 11011

Stephanie Hartman,  
Director, Entrepreneurial Services



**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:**

**06 MAY 2024 AT 14:40 HOURS**

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 05/03/2026**

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

**AGGREGATE**

Aggregate - C 128 - Specific Gravity & Absorption in Fine Aggregate  
Aggregate - C 566 - Total Moisture Content  
Aggregate - C 702 - Reducing Samples to Testing Size

**CONCRETE**

Concrete - C 31 - Making and Curing Test Specimens in the Field  
Concrete - C 39 - Compressive Strength of Cylindrical Specimens  
Concrete - C 138 - Unit Weight and Air Content by Gravimetric  
Concrete - C 143 - Slump  
Concrete - C 172 - Sampling  
Concrete - C 231 - Air Content by Pressure \*\*\*required if C173 not performed\*\*\*  
Concrete - C 511 - Moist Cabinets, Moist Rooms, Water Storage Tanks  
Concrete - C 1064 - Temperature of Concrete  
Concrete - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)  
Concrete - C 1231 - Unbonded Caps

**SOILS**

Soils - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection  
Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants  
Soils - D 422 - Particle Size Analysis (Sieve and Hydrometer)  
Soils - D 698 - Compaction Characteristics by Standard Effort  
Soils - D 1140 - Material Finer than 75  $\mu$ m (No. 200) Sieve  
Soils - D 1556 - Density & Unit Weight by Sand Cone  
Soils - D 1557 - Compaction Characteristics by Modified Effort  
Soils - D 2166 - Unconfined Compressive Strength  
Soils - D 2216 - Water Content  
Soils - D 2487 - Classification of Soils  
Soils - D 2488 - Description & Identification of Soils (Visual-Manual Procedure)  
Soils - D 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils  
Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index  
Soils - D 4643 - Determination of Water Content of Soil by Microwave Oven  
Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method



## 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](https://aashtoresource.org)).

  
Jim Tymon,  
AASHTO Executive Director

  
Moe Jamshidi,  
AASHTO COMP Chair

This certificate was generated on 04/11/2024 at 12:54 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://aashtoresource.org/aap/accreditation-directory)



**Diversity Champion**  
Award 2023

THIS CERTIFICATE IS PROUDLY PRESENTED TO

*Gulf South Engineering and Testing, Inc.*

8/15/2023

DATE



SIGNATURE

