

PARISH OF JEFFERSON

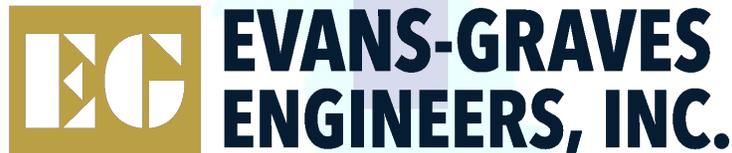
STATEMENT OF QUALIFICATIONS

FOR

INDEPENDENCE PARK DRAINAGE PUMP STATION

RESOLUTION No. 144443
SOQ 24-029

SUBMITTED BY:

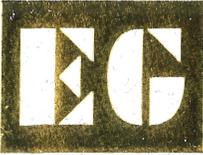


909 POYDRAS STREET, SUITE 3050
NEW ORLEANS, LOUISIANA 70112

IN ASSOCIATION WITH:



August 29, 2024



EVANS-GRAVES ENGINEERS, INC.

Engineering Consultants
Est. 1954

John A. Graves, P.E., P.L.S. (1941-2021)
Ashlyn A. Graves, President
Gerald G. Menard, P.E.
P. Stephen Lundgren, Jr., P.E.
Jack Carr Morgan, P.E., P.L.S.
Max O. Usrey, III, P.E., P.L.S.

Keith M. Meyer, P.E.
Lisa A. Blanchard, P.E.
Brett D. Blanchard, P.E., L.S.I.
Logan P. Betzer, E.I.
Alexander J. Young, E.I.
Zachary P. Hebert, E.I.

August 29, 2024

Jefferson Parish Purchasing Department
c/o Mr. Mark Buttery, Purchasing Specialist II
General Government Building
200 Derbigny St., Suite 4400
Gretna, LA 70053

Re: Letter of Interest
Independence Park Drainage Pump Station
Resolution No. 144443

Dear Mr. Buttery:

Evans-Graves Engineers, Inc. (EG) is pleased to submit our Statement of Qualifications in response to Jefferson Parish's solicitation requesting professional engineering services for a new drainage pump station serving the Independence Park neighborhood in Metairie, Louisiana (Resolution No. 144443).

Within this submittal of qualifications, EG demonstrates that we have the required personnel, experience, Jefferson Parish knowledge, and presence to deliver a quality project. Evans-Graves Engineers, Inc. will comply with the terms specified in the RFQ and is qualified to complete all tasks associated with this type of work.

Evans-Graves will staff this project with many of the same personnel that successfully completed the projects listed in our Statement of Qualifications, Section L. Mr. P. Stephen Lundgren Jr., P.E. will be the Senior Project Manager. Mr. Lundgren is Chief Engineer of our New Orleans office and is an experienced Project Manager on projects similar to this.

Evans-Graves hereby commits its total resources and 70 years of experience to provide you with a successful project. Evans-Graves appreciates the opportunity to respond to Jefferson Parish and we look forward to working with you on this important work for the Parish.

Sincerely,
EVANS-GRAVES ENGINEERS, INC.

Ashlyn A. Graves
President

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Independence Park Drainage Pump Station
Resolution #144443

B. Firm Name & Address

Evans-Graves Engineers, Inc.
909 Poydras Street, Suite 3050
New Orleans, LA 70112

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:

P. Stephen Lundgren Jr., P.E.
Principal / Chief Engineer
909 Poydras Street, Suite 3050
New Orleans, LA 70112
(504) 836-8190
slundgren@evans-graves.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.

P. Stephen Lundgren Jr., P.E.
Principal / Chief Engineer
909 Poydras Street, Suite 3050
New Orleans, LA 70112
(504) 836-8190
slundgren@evans-graves.com

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

<u>8</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u>1</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>6</u> Civil Engineers	<u> </u> Interior Designers	<u>1</u> Project Managers
<u>1</u> Construction Inspectors	<u> </u> Landscape Architects	<u>2</u> Clerical
<u> </u> Ecologists	<u>6</u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>2</u> Engineer Intern	<u> </u> Environmental Engineers	
<u>1</u> Professional Land Surveyors		<u>28</u> TOTAL

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

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

TEC Professional Services Questionnaire

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

1.
N/A

2.
N/A

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

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

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

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

12

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:

Please see attached resumes for Professional in Charge as well as Key Personnel.

Project Assignment:

Name of Firm with which associated:

Years' experience with this Firm:

Education: Degree(s)/Year/Specialization:

Active registration: Year first registered/discipline:

Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

P. Stephen Lundgren Jr., P.E., Chief Engineer / Principal

Project Assignment:

Project Manager

Name of Firm with which associated:**Years' experience with this Firm: 19****Education: Degree(s)/Year/Specialization:**

M.S. / 1993 / Civil Engineering

B.S. / 1992 / Civil Engineering

Active Registration: Year first registered/discipline:

1999 / P.E. / Civil Engineer LA License No. 28222

Other experience and qualifications relevant to the proposed Project:

Mr. Lundgren is a civil engineer with a focus on site development, drainage design, roadway design, utilities, and hydrologic and hydraulic design. He has over 32 years of experience working closely with government agencies, having developed engineering reports, Master Plans, and construction plans and specifications for various site improvement projects, including pump stations, detention ponds, canal/culvert improvements, and basin-wide hydrologic and hydraulic modeling, analysis, and design.

Prescott Canal Pump Station, Control Gates, and Flood Stage Analysis – St. Charles Parish, LA – Mr. Lundgren served as the **Project Manager** and **lead design engineer** for project involving **design, permitting, and construction** of a **new pump-station consisting of (3)-30” hydraulic pumps, gated bypass culvert, and sheet pile closure structure** adjacent to Airline Highway (U.S. 61) in the Prescott Canal; and two (2)-102”x48” stainless steel **slide gates** on one side of an existing quadruple 4’x4’ DOTD concrete box culvert in a **drainage canal** crossing under Airline Highway (U.S. 61) feeding the Prescott Canal. The project provided **flood control** and protection to the Montz area of St. Charles Parish. Cost: \$900,000.

Oak Street Pump Station Improvements - St. Charles Parish, LA – Mr. Lundgren served as **Project Manager** and **lead design engineer** for the design of **capacity improvements** to the existing Oak Street Pump Station in St. Charles Parish. Mr. Lundgren performed a **hydraulic study** of the project area, which included a **delineation of the pump station’s drainage area**, to determine the **peak 10-year flowrate** into the pump station. Further duties included the preparation of **conceptual plans** including **schedule** and **cost estimate** development, design of **preliminary** and **final plans** and **specifications** for the replacing of one (1) 24” pump with a 36” pump with associated discharge piping upgrades, and **permitting services—including the permitting of a utility crossing under the Canadian National Railroad**. Additional services performed included **bidding** and **construction administration**.

Engineers Canal Pump Station Improvements – St. Charles Parish, LA – Mr. Lundgren, as **Project Manager** and **lead design engineer**, performed a **hydraulic study** and **conceptual design** report prior to designing **preliminary** and **final plans** and **specifications** for the addition of one (1) 20,000 gpm stormwater pump in an existing concrete sump along with associated discharge piping upgrades. As part of the project, Mr. Lundgren also completed a **Hydrologic Modification Impact Analysis** for the pump’s discharge into the Bonnet Carré Spillway. Project was completed in 2020.

Schexnaydre Pump Station Improvements – St. Charles Parish, LA – Mr. Lundgren served as **Project Manager** and **lead design engineer** for the design of **capacity improvements** to the existing Schexnaydre Drainage Pump Station in New Sarpy, LA. Mr. Lundgren was responsible for the design of **preliminary** and **final plans** and **specifications** and obtained LDNR and USACE **permits** for the project. Additional services performed by Mr. Lundgren include **bidding, construction administration, and oversight of resident inspection services**.

Eighty Arpent Pump Station Improvements - St. Charles Parish, LA – Project involved **increasing the capacity** of the **Eighty Arpent pump station** to **accommodate increased drainage flows from new and possible future subdivision developments** in St. Charles Parish. Mr. Lundgren served as the **lead design engineer** and **project manager** for the project, including oversight of all **structural design** components of the project. Mr. Lundgren’s responsibilities included a **feasibility study**, development of **plans and specifications, cost estimates, permits, and construction administration**.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jack Carr Morgan, P.E., P.L.S., Civil Engineer

Project Assignment:

Project Engineer

Name of Firm with which associated:**Years' experience with this Firm: 23****Education: Degree(s)/Year/Specialization:**

B.S. / 1977 / Civil Engineering

Active Registration: Year first registered/discipline:

1984 / P.E. / Civil Engineer LA License No. 28625

2021 / P.L.S. / Professional Land Surveyor LA License No. 5266

Other experience and qualifications relevant to the proposed Project:

St. Charles Parish Urban Flood Control Study, St. Charles Parish, LA - As **Project Manager** and **lead design engineer**, Mr. Morgan managed and designed several **drainage pump stations** for areas protected by the **St. Charles Parish HPL** including **Cross Bayou Pump Station, Bayou Trepagnier Pump Station, and Walker/Almedia Pump Station**. Combined, Mr. Morgan was responsible for the design of pump stations with a total maximum capacity of 2.2 billion gallons per day (gpd). He conducted the **HEC2** and **HEC-RAS** analyses to size the original pump stations, then included that work in the **HEC-RAS** and **FLO2D** Urban Flood Study that covered all of the East Bank of the Parish. This work was later included in the **IPET model** and is the basis for the pump stations' **Benefit Cost Analysis**. The project includes a **Feasibility Study** to install as many as **five new drainage pump stations** in the east bank of St. Charles Parish HPL to control local protected-side flooding. A 200-foot portion of the HPL was replaced with **T-walls** designed by Mr. Morgan.

Jones Point and Trahan Pump Stations, Jefferson Parish, LA – Mr. Morgan, as **Project Manager** and **lead design engineer**, managed the **design** and development of **construction plans** and **specifications** for **two (2) new pump stations** in the Jones Point basin, both with **two (2) 7.5 CFS vertical axial-flow drainage pumps, two (2) 30 HP TEFC vertical electric motors, control panels, SCADA systems, and each supported by a 125 kw diesel-driven standby generator**. Additional work included design of new 12.75” steel drainage pipes. Total estimated construction cost is \$5MM.

Ormond/New Sarpy Interior Drainage Study, St. Charles Parish, LA - Mr. Morgan is the **project manager** on a **comprehensive drainage study** of the area enclosed by ring levees that are currently being analyzed for **FEMA certification**. The study consists of an area of **2200 acres** of fully developed mixed use land. Mr. Morgan performed an **H&H model** of the study areas using **SWMM H&H software** due to the area's dynamic flow regime. The existing drainage system being modeled includes **250 drainage areas with 300,000 feet of pipe, 140,000 feet of ditches and canals, 700 manholes, 2600 catch basins, 20 detention basins, and four pump stations**. The project utilizes **high-resolution LIDAR and aerial photography, field surveying, as-built plans, prior studies and reports, and first-hand observations**. The final report will be presented to FEMA to **delineate flood boundaries** inside the ring levee.

Airport Pump Station Upgrades, St. John the Baptist Parish, LA – Mr. Morgan, as **Project Manager** and **lead design engineer**, managed the **design** and development of **construction plans** and **specifications** for the **removal, rebuilding, and replacement of three diesel engines, gear drives, and pumps** in the Airport Pump Station in St. John Parish. Mr. Morgan worked with manufacturers' staff and support to determine **suitability** of equipment for rebuild, **extent** of rebuild necessary, **contingencies**, and the **process** for equipment removal and replacement and shipping.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Keith M. Meyer, P.E., Structural Engineer

Project Assignment:

Structural Engineer

Name of Firm with which associated:**Years' experience with this Firm: 20****Education: Degree(s)/Year/Specialization:**

B.S. / 1985 / Civil Engineering

Active Registration: Year first registered/discipline:

1992 / P.E. / Civil Engineer LA License No. 24638

Other experience and qualifications relevant to the proposed Project:

Mr. Meyer has over 47 years of experience in the civil engineering field. His experience includes:

Oak Street Pump Station Improvements - St. Charles Parish, LA – Structural Engineer for the design of **capacity improvements** to the existing Oak Street Pump Station in St. Charles Parish. Mr. Meyer assisted with the preparation of **conceptual plans** including **schedule** and **cost estimate** development, design of **preliminary** and **final plans** and **specifications** for the replacing of one (1) 24” pump with a 36” pump with associated discharge piping upgrades, and **permitting services**— **including the permitting of a utility crossing under the Canadian National Railroad**. Additional services performed included **construction administration**.

Schexnaydre Pump Station Improvements – St. Charles Parish, LA – Structural Engineer for the design of **capacity improvements** to the existing Schexnaydre Drainage Pump Station in New Sarpy, LA. Mr. Meyer assisted with the design of **preliminary** and **final plans** and **specifications**, **bidding**, and **construction administration**.

Sunset Drainage Pump Station Improvements - St. Charles Parish, LA – Mr. Meyer served as **Structural Engineer** and performed all structural calculations and structural related design for the addition of **two (2) new pumps** to an **existing drainage pump station** in St. Charles Parish.

Eighty Arpent Pump Station Improvements - St. Charles Parish, LA – Project Engineer responsible for the design of **structural features** included in the expansion of an **existing pump station** to allow the addition of **two new pumps**. Structural features included the design of **bar screen cleaner modifications** and **sheetpile wingwalls** with tie-back system for canal embankment and **erosion control features**.

St. Charles Parish Urban Flood Control Study, Cross Bayou Pump Station – St. Charles Parish, LA - Project Engineer responsible for the **structural design** of the entire **40-foot x 180-foot pump station facility substructure (foundation)** and **structural supports** for the **five - 160 million gallon per day (gpd) pumps** and **one - 35 million gpd pump station** with **6 -72" diameter discharge lines** with **30 pile supported bents** with **capbeams**, and the **structural design** of the **inverted "I" floodwall stem** and **base slab** in accordance with the US Army Corps of Engineers guidelines.

St. Charles Parish Urban Flood Control Study, Walker/Almedia Pump Station – St. Charles Parish, LA – Project Engineer responsible for the **structural design** of the entire **40' x 180' facility substructure (foundation)** and **structural supports** for the **6 – 250 cfs (pumps) pumping station**, with **6 - 72" diameter discharge lines** with **30 pile supported bents** with **capbeams**, and the structural design of the **inverted "T" floodwall stem** and **base slab** in accordance with the **US Army Corps of Engineers guidelines**.

Repair of St. Bernard Parish Stormwater Pump Stations – St. Bernard, LA – Project Manager and engineer of record for the repair of **3 storm water drainage pump stations** and the design and replacement of **5 drainage pump stations** damaged and/or destroyed by Hurricane Katrina all **in accordance with FEMA guidelines**. Funded by the Federal Emergency Management Administration (FEMA) and administered by the St. Bernard Parish Government, Mr. Meyer was responsible for developing **plans** and **specifications** and the **monitoring of construction** for the repair and/or replacement of the eight (8) storm water drainage pump stations. Total project cost: \$3.21 million.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Lee Z. Walker
Project Assignment: Environmental Specialist
Name of Firm with which associated:  EVANS-GRAVES ENGINEERS, INC.
Years' experience with this Firm: 19
Education: Degree(s)/Year/Specialization Post-Graduate / 2003 / Riparian Ecology and Conservation M.S. / 2003 / Environmental Studies B.S. / 1999 / Ecology, Evolution and Organismal Biology
Active registration: Year first registered/discipline: N/A
Other experience and qualifications relevant to the proposed Project: <p>Ms. Walker has over 22 years of experience in project management; NEPA environmental compliance; Environmental Assessments; Section 10, 401, 404, and 408 permitting; coastal use permits; and Coastal Zone Management Consistency Determinations for local agencies, state agencies and private entities.</p> <p>USACE Environmental and Regulatory Compliance, HSDRRS – Orleans, Jefferson, and St. Bernard Parishes, LA – Ms. Walker was responsible for managing the environmental compliance program for Hurricane and Storm Damage Risk Reduction System (HSDRRS) projects, serving on the Project Delivery Team (PDT) for the levees and floodwalls program. As the environmental representative on these PDTs, she was responsible for maintaining open lines of communication with the program execution branch and project management staff and provided technical input on designs to ensure environmental compliance. She was also responsible for providing technical input as to how environmental compliance and permitting could impact cost, schedule, design, and project execution. She was responsible for preparation of environmental reports such as NEPA documents (as per 40 CFR Part 1500), 404 (b)(1) evaluations, Endangered Species Act coordination letters, Notices of Intent for coverage under NPDES permits, applications for Water Quality Certifications, and Coastal Zone Management Plan consistency determinations.</p> <p>Louisiana International Terminal (LIT) Program Management and Program Controls (PMPC) Team – St. Bernard Parish, LA – As the Environmental Specialist for the project, Ms. Walker's responsibilities have included participation and consultation on committees responsible for the development of project execution and strategy planning activities for the program. In this capacity, Ms. Walker has led project delivery activities that have included the integration of planning, design, NEPA compliance, risk management, budget, and scheduling decisions for the \$1.5B Louisiana International Terminal (LIT). Additional work has included the submission and monitoring of joint permit applications for preliminary design work including geotechnical borings within identified wetlands and in the Mississippi River, as well as permitting for remediation activities related to subsurface contamination from an existing oil well adjacent to the proposed project footprint.</p> <p>Pontchartrain Levee District (PLD) Spill Prevention, Control, and Countermeasure Plan and Spill Response Assistance – St. Charles Parish, LA – As Environmental Specialist, Ms. Walker conducted a site survey and staff interviews in order to develop a SPCC Plan for PLD facilities, including the Cross Bayou Pump Station in St. Charles Parish. The Plan provided PLD staff with an overview of fuel storage at the site, an inventory of the containment, discharge controls, and inspection requirements, countermeasures for discharge discovery, response, clean up, and reporting requirements. Shortly after PLD's adoption of the plan, a diesel spill occurred at the Cross Bayou Pump Station for which PLD staff utilized the plan to begin implementation of appropriate spill countermeasures. Ms. Walker assisted PLD leadership with determining the cause and source of the spill, volume assessment, oversight of clean up and recovery efforts, acquisition of necessary state and federal permits for cleanup efforts, and development of required Unauthorized Discharge Notification Report for the Louisiana Department of Environmental Quality.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Jason J. Tripkovich
Project Assignment: Resident Inspector
Name of Firm with which associated:  EVANS-GRAVES ENGINEERS, INC.
Years' experience with this Firm: 4
Education: Degree(s)/Year/Specialization N/A
Active registration: Year first registered/discipline: N/A
Other experience and qualifications relevant to the proposed Project: <p><u>Schexnaydre Pump Station Improvements – St. Charles Parish, LA</u> – Mr. Tripkovich served as the construction inspector for the construction of pump station improvements in St. Charles Parish. Tasks included documenting construction sites, compiling detailed daily and weekly reports, assessing allowable rain delays, keeping track of contractual obligations from the specifications/plans, and effectively and proactively communicating with project participants.</p> <p><u>Engineers Canal Pump Station Improvements – St. Charles Parish, LA</u> – Mr. Tripkovich served as the construction inspector for the construction of pump station improvements in St. Charles Parish. Tasks included documenting construction sites, compiling detailed daily and weekly reports, assessing allowable rain delays, keeping track of contractual obligations from the specifications/plans, and effectively and proactively communicating with project participants.</p> <p><u>Hydraulic Bottleneck Near Destrehan P.S. No. 2 – St. Charles Parish, LA</u> – Mr. Tripkovich served as the construction inspector for the construction of improvements for drainage conveyance near Destrehan P.S. No. 2 in St. Charles Parish. Tasks included documenting construction sites, compiling detailed daily and weekly reports, assessing allowable rain delays, keeping track of contractual obligations from the specifications/plans, and effectively and proactively communicating with project participants.</p> <p><u>17th Street Canal – Mitigation of Outfall Canal Erosion, Southeast Louisiana Flood Protection Authority – East – New Orleans, LA</u> - Mr. Tripkovich served as the construction inspector for the construction of erosion control measures along the banks of the 17th Street outfall canal. Duties performed by Mr. Tripkovich included documenting construction sites, compiling detailed and well-organized daily and weekly reports, assessing allowable rain delays, keeping track of contractual obligations in the specifications and construction plans, and effectively communicating with owners, contractors, and engineers working together towards a quality end product.</p>

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Jones Point and Trahan Pump Stations Jefferson Parish, LA Lafitte Area Independent Levee District (LAILD) 2654 Jean Lafitte Blvd. Lafitte, LA 70067 Mayor Tim Kerner, Jr. (504) 233-1109	Evans-Graves, as the prime consultant, is responsible for the design and development of construction plans and specifications for two (2) new pump stations in the Jones Point basin of Lafitte, Louisiana. Both pump stations have been designed to include two (2) 7.5 CFS vertical axial-flow drainage pumps, two (2) 30 HP TEFC vertical electrical motors, control panels, SCADA systems, and each supported by a 125 kw diesel-driven standby generator. Additional work includes the design of new 12/74" steel drainage pipes, coordination and oversight of survey and geotechnical subconsultants, and performance of construction administration services.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$5,000 (in thousands) Construction	\$196.1 (in thousands) (EG Fee)

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Oak Street Pump Station Improvements St. Charles Parish, LA St. Charles Parish Government 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Evans-Graves, as the prime, designed capacity improvements to the existing Oak Street Pump Station, which serves a residential neighborhood on the Parish's East Bank. EG performed an engineering and hydraulic study of the project area to determine if the existing pump station was hydraulically capable of handling a 10 year storm. EG delineated the pump station's drainage area, determined the peak flowrate, and prepared a conceptual plan to expand the pump station including SOW, cost estimate, and schedule. The study led to the design of capacity improvements, which included preliminary and final plans and specifications, permitting (including with the CN Railroad), and construction administration.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (A)	\$959 (in thousands) (Construction)	\$89.1 (in thousands) (EG Fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Schexnaydre Pump Station Improvements St. Charles Parish, LA St. Charles Parish Government 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Prime consultant responsible for the design of capacity improvements to the existing drainage pump station in New Sarpy, LA. Designed capacity improvements include the replacement of one (1) 30" stormwater pump with one (1) new 48" pump on the existing pump station slab with associated discharge piping upgrades. Evans-Graves was responsible for preliminary and final design of all improvements, plans and specifications for construction, permitting, bidding, and construction administration services.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (A)	\$896.5 (in thousands) (Construction)	\$68.6 (in thousands) (EG Fee)

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Charles Urban Flood Control Study St. Charles Parish, LA Pontchartrain Levee District / St. Charles Parish DPW Ms. Monica Gorman (225) 869-9721	Evans-Graves performed a Feasibility Study to identify and evaluate possible alternatives available for reducing flood damages associated with rainfall within the East Bank of St. Charles Parish. EG performed a detailed hydraulic analysis of the area using HEC-RAS, HEC-HMS, and GEO-RAS H&H models developed by the firm. Following the results of the Feasibility Study, Evans-Graves prepared construction documents for four (4) separate drainage pump stations--three (3) of which were constructed or approved for construction. All pump stations were designed in accordance with USACE design criteria. Additional work has included bidding, construction administration, and preparation of O&M manuals for the new pump stations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$27,500 (in thousands) (Construction)	\$6,300 (in thousands) (EG Fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Engineers Canal Pump Station Improvements St. Charles Parish, LA St. Charles Parish Government 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Evans-Graves, as the prime, designed capacity improvements to an existing drainage pump station in Norco, LA. Improvements included the addition of one (1) 20,000 gallon per minute (gpm) pump on the existing concrete sump and associated 286 linear feet of 26" diameter at-grade steel pipeline across the Bonnet Carre Spillway lower guide levee on an existing concrete slab. EG produced a hydraulic study and conceptual design report followed by preliminary and final plans and specifications, permitting, bidding, and construction administration services. Work also included completion of a Hydrologic Modification Impact Analysis for pump discharge into the spillway.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (A)	\$937.3 (in thousands) (Construction)	\$144.5 (in thousands) (EG Fee)

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Sunset Pump Station Improvements St. Charles Parish, LA St. Charles Parish Government 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Prime consultant for pump station improvements to prevent potential flooding in the area being caused by the back up of the existing pumps during intense rainfall events. The original capacity of the pump station was not able to handle the increased flow from additional developments and increased runoff flows in the supported areas. Improvements included two (2) additional 30" pumps with discharge piping and replacing the station's deteriorated erosion control structure with new riprap. EG produced plans and specifications for construction and was responsible for the permitting and construction administration for the project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 (A)	\$1,050 (in thousands) (Construction)	\$89 (in thousands) (EG Fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Airport and Homewood Pump Stations St. John the Baptist Parish, LA St. John the Baptist Parish 1801 West Airline Hwy. LaPlace, LA 70068 Mr. Clayton "Snookie" Faucheux (985) 652-4815	Prime consultant for the preparation of plans and specifications for the complete factory rebuild of three (3) diesel engines, three (3) right-angle gear drives, and three (3) vertical-lift pumps at the Airport pump station that had been in operation since 1987. Evans-Graves worked with various manufacturers to develop specifications to guide the contractor in having each piece of equipment rebuilt, and to what level of rehabilitation. EG also developed a detailed project sequencing schedule to ensure that two of the three pump assemblies remain operational at all times.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 (A)	\$4,300.0 (in thousands) (Construction)	\$303.7 (in thousands) (EG Fee)

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Ormond/New Sarpy LAMP Interior Drainage Model St. Charles Parish, LA St. Charles Parish, DPW 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Evans-Graves, as the prime consultant, performed a comprehensive interior drainage model of the project area using SWMM H&H software. EG determined that the EPA's SWMM software would be the most appropriate model to use for the project due to the dynamic flow regime present in the study area, coupled with the presence of an extensive subsurface storm sewer system. Roughly 50 miles of pipe and 30 miles of ditches and canals were modeled. The model provides information on where trouble spots are likely to occur and what is likely contributing to the problem. The model has shown the need for modifications to two (2) pump stations serving the study area and will be used to make detailed sizing calculations for the pump station modifications.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$750.0 (in thousands) (Engineering Cost)	\$750.0 (in thousands) (EG Fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Charles Parish East Bank Master Plan and Drainage Canal Stabilization Project St. Charles Parish, LA St. Charles Parish, DPW 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	For over 12 years, Evans-Graves, as the prime consultant, provided project management, permitting, engineering design, construction administration, and construction inspection services to St. Charles Parish. Tasks completed included projects involving: drainage control structures (pumps, gates, and culverts); earthen canal bank stabilization and erosion control; and studies and investigations into neighborhood-scale flooding and drainage issues. Work included associated permitting for canal cleaning, drainage maintenance, and work in wetlands and coastal areas.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (A)	\$5,700 (thousands) (Construction)	\$620.3 (in thousands) (EG Fee)

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Prescott Canal Pump Station, Control Gates, and Flood Stage Analysis St. Charles Parish, LA Pontchartrain Levee District / St. Charles Parish DPW Ms. Monica Gorman (225) 869-9721	Evans-Graves, as the Prime consultant and lead design engineer for the project, performed design, permitting, and construction services for a new pump station consisting of three (3) 30" hydraulic pumps, gated bypass culvert, and sheet pile closure structure adjacent to Airline Highway (U.S. 61) in the Prescott Canal; and two (2) 102"x48" stainless steel slide gates on one side of an existing quadruple 4'x4' DOTD concrete box culvert in a drainage canal crossing under Airline Highway (U.S. 61) feeding the Prescott Canal. Additional work included an assessment of the new pump station's impacts and considerations related to the construction of the USACE's Westshore Hurricane Protection Levee project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 (A)	\$925 (in thousands) (Total Cost)	\$925 (in thousands) (Total Cost)

TEC Professional Services Questionnaire

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

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

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

Please see attached.

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

Signature: *Ashlyn Graves* Print Name: Ashlyn A. Graves
 Title: President Date: August 29, 2024

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

EVANS-GRAVES ENGINEERS, INC.

In accordance with the Parish of Jefferson Request for Qualifications, Evans-Graves Engineers, Inc. (EG) understands that the Parish is seeking firms interested in providing professional engineering services for a new drainage pump station serving the Independence Park neighborhood of Metairie, Louisiana (Resolution No. 144443).

In response to the Jefferson Parish notification, Evans-Graves Engineers, Inc. hereby offers our statement of qualifications as well as our specific responses to the general selection criteria.

GENERAL

Evans-Graves Engineers, Inc. (EG) was founded in Baton Rouge, Louisiana in 1954. The firm was organized to provide professional engineering services in the fields of Civil and Structural Engineering.

The company has a staff of over 28 people located in the New Orleans and Baton Rouge offices, including eight (8) licensed Professional Engineers, two (2) licensed Professional Land Surveyors, two (2) Engineer Interns, and a corresponding support staff. Today, EG has expanded its services by providing surveying, civil, structural, and traffic engineering, project management, and construction management. Personal service is the organization's keynote. Every project receives the benefit of the firm's experience and engineering knowledge provided by the principals of the firm and the firm's key personnel, all of whom are residents of the New Orleans and Baton Rouge areas.

The projects profiled throughout this TEC Professional Services Questionnaire demonstrate that EG has been involved with a wide variety pump station and drainage projects in the Greater New Orleans and surrounding areas.

A closer look will reveal significant experience on civil and structural design for pump stations and hydraulic structures, erosion control, storm water management studies, utilities planning and design for residential and commercial developments and project management. Evans-Graves has provided these services to both public and private sector clients, including individuals, developers, local municipalities such as Jefferson Parish DPW, St. Charles Parish, St. John the Baptist Parish, St. Bernard Parish, Plaquemines Parish, Ascension Parish, SLFPA-E, and the U.S. Army Corps of Engineers.

PROJECT TEAM

Evans-Graves Engineers' expertise is primarily in the areas of civil and structural engineering design services and land surveying services. Given the type of design work, available manpower, and local expertise required for this project, Evans-Graves has partnered with BFM Corporation, LLC for all survey and Gulf South Engineering and Testing, Inc. for all geotechnical engineering and testing services required for the

Independence Park Drainage Pump Station project. Mr. P. Stephen Lundgren Jr., P.E. will be project manager and point of contact for Evans-Graves Engineers and is located in the firm's New Orleans office, which is within minutes of the Jefferson Parish public works department. Mr. Lundgren has worked on and managed projects for the Parish and is familiar with the design standards and criteria of the Parish. Mr. Lundgren also has experience on projects funded by FEMA as well as grant funded projects (e.g., CDBG).

Evans-Graves Engineers, Inc. (Prime) – project management, design, permitting, bidding, and construction administration.

BFM Corporation, LLC (Subconsultant) – surveying

Gulf South Engineering and Testing, Inc. (Subconsultant) – geotechnical engineering and testing

SELECTION EVALUATION FACTOR RESPONSES

1. Professional training and experience both generally and in relation to the type and magnitude of work required for the particular project.

Evans-Graves Engineers, Inc. is a locally owned and operated consulting engineering firm with a staff of over twenty-eight (28) people in Baton Rouge and New Orleans. Evans-Graves is led by Ms. Ashlyn A. Graves. Ms. Graves has over 25 years of hands-on experience in the management and oversight of the firm's businesses lines. All engineering and project management personnel, which consists of eight (8) professional engineers, two (2) Engineer Interns, and a corresponding support staff, will report directly to Mr. Lundgren—the designated PM for this work.

Following is a brief summary of experience of the key personnel to be involved in this project. Complete resumes of these personnel along with other design and support personnel can be found in Section K.

PERSONNEL EXPERIENCE

Mr. P. Stephen Lundgren Jr., P.E. – Principal-in-Charge / Project Manager

Principal who is a registered professional engineer in the State of Louisiana.

Professional in Charge of the Project, Professional Engineer registered in Louisiana with a minimum of five (5) years experience in the disciplines involved.

Mr. P. Stephen Lundgren Jr., P.E. serves as the Principal-in-Charge for this project is Chief Engineer of the firm's New Orleans area office. Mr. Lundgren will be the Project Manager for this work, handling the day to day activities and overseeing all surveying and engineering work performed for the Parish under this contract. Mr. Lundgren has over 32 years of experience in the design and management of various engineering projects. Mr. Lundgren has prepared hydraulic

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

studies, design reports, permits, and plans and specifications for numerous drainage conveyance and drainage pump station projects for various municipalities, including Jefferson and the surrounding Parishes, for pump stations, open canal/closed conduit/street drainage (inlet capacity and subsurface drains), and detention ponds. Mr. Lundgren's technical background, local experience, and familiarity with the unique characteristics of the Jefferson Parish drainage network and pumping stations, geography, geology, and topography have enabled him to successfully manage and design many drainage projects from start to finish. **Mr. Lundgren is a lifelong resident of Jefferson Parish. He has been a registered P.E. in the state of LA for the past 25 years and also holds a Master's degree in Civil Engineering from Tulane University. Mr. Lundgren will be the Project Manager for this work and his office is within 15 minutes of Jefferson Parish Department of Public Works.**

Mr. Jack Carr Morgan, P.E., P.L.S. – Project Engineer
Professional Engineer registered in the State of Louisiana in the field of expertise.

Mr. Morgan has over 51 years of experience as a Civil Engineer, Surveyor, and General Contractor. Mr. Morgan's background includes management, design, layout, and construction of projects involving pump stations, channel improvements, storm water management, drainage structures, flood gates, flow control devices, levees, drainage studies, HEC and SCS hydraulics and hydrologic modeling, USACE and FEMA regulations and standards, construction, and construction surveying. Mr. Morgan is a licensed drone pilot and has performed aerial surveys and assessments of municipal drainage systems for entities such as St. Bernard Parish and the SLFPA-E. Mr. Morgan is thoroughly familiar with the Jefferson Parish standards and design criteria.

Mr. Keith Meyer, P.E. – Project Engineer
Professional Engineer registered in the State of Louisiana in the field of expertise.

Mr. Meyer has over 47 years of experience ranging from civil engineering design to project management and quality control. As a Civil Engineer, Mr. Meyer has extensive experience in the design and improvement of major pump stations, canal embankments, and drainage facilities. His work has involved performing hydraulic analysis including HEC-RAS analysis; analysis and design of new drainage systems and modifications to existing drainage systems, project management of repairs and replacements of existing pump stations; and the replacement of drainage pump stations to meet most current FEMA and State guidelines. Mr. Meyer has also designed and managed Interstate and State Highway projects for the LADOTD, AHTD, and TXDOT, and completed various civil works projects for the U.S. Army Corps of Engineers. Additional work has included the design municipal roads, determination of drainage studies for pre and post land development projects, and Construction Management. Mr. Meyer's expertise also includes the

preparation of feasibility studies, design reports, plans and specifications, and project cost estimating. Mr. Meyer has a degree in Civil Engineering from Tulane University.

2. Size of firm considering the number of professional and support personnel required to perform the type of engineering tasks, including project evaluation, project design, drafting of technical plans, development of technical specifications and construction administration.

The Evans-Graves Staff currently consists of over 28 people located in offices in New Orleans and Baton Rouge. For the past fifteen years, the staff level has remained constant with ten to fifteen professional registered engineers and land surveyors. **We exceed the minimum manpower requirements listed in the RFQ, we have the manpower available to immediately begin work, and our firm size is well suited to complete any tasks assigned by Jefferson Parish. All Evans-Graves personnel are residents and tax payers of the State of Louisiana.**

3. Capacity for timely completion of newly assigned work, considering the factors of type of engineering task, current unfinished workload, and person or firm's available professional and support personnel.

Evans-Graves Engineers currently has one (1) active project with Jefferson Parish, which is expected to be 100% complete within a month's time. Considering our staff of over twenty-eight (28) people, which includes eight (8) licensed engineers, EG has more than enough capacity to perform this work in accordance with Jefferson Parish's schedule. The company's overall workload is low with several larger projects having recently been completed.

All of the personnel mentioned in this proposal will be available as needed to work on this project and to complete each task in accordance with the timeframe proposed by Jefferson Parish. All of the work will be managed by Mr. Lundgren and coordinated from our New Orleans Office, which is within 15 minutes of the Jefferson Parish Government building.

4. Past performance by person or firm on projects of or similar comparable size, scope, and scale.

This particular category can only be addressed by our clients; however, if timely and successful completion of numerous projects in a responsive and comfortable working relationship is key, then we feel our performance has been more than satisfactory. **Projects completed by EG have experienced few problems during construction. Over the past 70 years, we have developed a solid reputation among our clients and feel that Jefferson Parish has shared that view. We have consistently provided quality work and maintained a professional working relationship with Jefferson Parish.**

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

All of our projects have been completed to the satisfaction of our clients and no claims or disputes have ever been levied against Evans-Graves by our clients.

The quality of work generated by Evans-Graves can be demonstrated by our ACASS performance evaluations from the USACE, which the firm has received since 1995. These ratings have been 'Excellent' or 'Above Average', and none have been 'Unsatisfactory'. In addition, all of the evaluations recommended Evans-Graves for future contracts. All of EG's ratings from the Louisiana Department of Transportation and Development are well above the state average. **We feel these ratings from both the USACE and LADOTD, supported by the fact that we continue to be selected for work from these agencies, is a true testament to the value of our work and our work ethic.**

5. Location of principal office

Evans-Graves will manage and perform all Jefferson Parish work entirely out of our New Orleans office, which is located at:



909 Poydras Street, Suite 3050
New Orleans, LA 70112

Our Project Manager, Mr. Stephen Lundgren Jr., P.E., is located in this office and has worked closely with Jefferson Parish on many projects, both past and present. Mr. Lundgren is quite familiar with the policies and personnel of the Parish. The company's entire history consists of working in the Louisiana area. All of the company's personnel reside in and pay taxes in the State of Louisiana.

6. Adversarial legal proceedings between the Parish and the person or firm performing professional services

Evans-Graves Engineers, Inc. has had no litigation matters with Jefferson Parish or any other public entity. In addition, during our 70 year existence, Evans-Graves has never been judged at fault in any litigation arising out of our work product. At Evans-Graves, we consider our record of integrity and professionalism as our major accomplishments, both past and present.

7. Prior successful completion of projects of the type and nature of routine engineering services, as defined, for which firm has verifiable references.

Evans-Graves has completed pump station and drainage projects directly for Jefferson Parish and we feel our performance on this work was timely and professional. All of this work was completed on time and within budget.

EG is proud of the firm's reputation with Jefferson Parish and would welcome the Parish to reach out to the following individuals as references for the quality of EG's work:

Mayor Tim Kerner Jr.

Mayor, Town of Jean Lafitte
(504) 689-8808
ncooper@townofjeanlafitte.com

Mr. Chris Humphreys, P.E.

Director, Southeast Louisiana Flood Protection Authority – East
(504) 286-3100
chumphreys@floodauthority.org

Ms. Monica Salins Gorman

Director
Pontchartrain Levee District (PLD)
(225) 869-9721
mgorman@leveedistrict.org

Mr. Clayton "Snookie" Fauchaux

Director of Public Works, St. John the Baptist Parish and Former DPW Director, St. Charles Parish
(985) 652-9569
c.fauchaux@stjohn-la.gov

Mr. Brian Fontaine

City of New Orleans, DPW
(504) 658-8000
bfontaine@nola.gov

Over the past 70 years, Evans-Graves has designed numerous projects which have received recognition as engineering achievements. Included among them are highway and bridge projects such as I-49 Section 10, I-10 and I-12 widening projects, John James Audubon Bridge (Won Engineering News Record's Top Project of 2012) and Sunshine Bridge Rehabilitation, Fremaux Interchange which won an award from the American Concrete Institute and street projects such as Read Blvd. and Michoud Blvd. in the City of New Orleans.

While the engineering accomplishments are gratifying, the senior management of this firm would point out other accomplishments as equally gratifying. Evans-Graves Engineers, Inc. over the many years has provided a stable base of employment, and has never had any staff reductions due to lack of work. In the same time period, the company has established and maintained a reputation for integrity, quality work, and professionalism in all areas of business relations.

SUMMARY

As part of this submittal, Evans-Graves Engineers commits and guarantees the following:

- We have sufficient manpower resources for timely accomplishment of all professional engineering services

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

necessarily for the successful completion of the Independence Park Drainage Pump Station project.

- The staff proposed for this contract has recent experience relevant to this type of work.
- All EG staff proposed in this submittal are current employees of Evans-Graves Engineers.
- Upon notice of award, all listed personnel included in Section K will be made available for the Independence Park Drainage Pump Station project, as required.
- Our entire staff is residents and taxpayers of the State of Louisiana.

Evans-Graves Engineers, Inc. has successfully executed a wide range of engineering projects for our clients. Our professional staff has the technical capability and experience to provide Jefferson Parish with a quality product within the allotted time period. The personnel to adequately staff this project are available and the company's resources will be committed to this work.

Evans-Graves Engineers, Inc. welcomes the opportunity to provide Jefferson Parish with our services and we would like to thank Jefferson Parish for your consideration of our team's qualifications.

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

Name:	Public Address:
Evans-Graves Engineers, Inc.	9029 Jefferson Highway, Suite 200 Baton Rouge, Louisiana 70809

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000300	Active	09/14/1984	09/30/2025	Mr. Philip Stephen Lundgren Jr. # PE.0028222

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

Name:

Evans-Graves Engineers, Inc.

Public Address:

9029 Jefferson Highway, Suite 200
Baton Rouge, Louisiana 70809

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000050	Active	09/14/1984	09/30/2025	Mr. Max Overton Usrey III # PLS.0004737

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Independence Park Drainage Pump Station

SOQ **24-029** | Resolution No. **144443**

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	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u>1</u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u>2</u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical (<i>see Administrative</i>)
<u> </u> Ecologists	<u>1</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> <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> TOTAL

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

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

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.		
1. N/A		
2.		
H. Has this JOINT-VENTURE previously worked together? Please check: YES _____ NO _____ N/A		
I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2.		
3.		
J. Please specify the total number of support personnel that may assist in the completion of the Project: <u>26</u> (all personnel will be available for assignment to the project)		

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:

- Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA
- Levee Intake Pump Station Cell Inspection at the New East Bank Water Treatment Plant, Jefferson Parish, LA
- Veterans Boulevard Pump Station, Metairie, Jefferson Parish, LA
- Timberview Lane Sewer Pump Station, Harvey, Jefferson Parish, LA
- Orange Lane Drainage Pump Station Project (Drainage Mapping), Grand Isle, Jefferson Parish, LA
- Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, LA
- Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA
- North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA
- Fisher School Phase 2 Levee, Lafitte, Jefferson Parish, LA
- Paillet Basin Tidal Protection Levee, Town of Jean Lafitte, Jefferson Parish, LA
- Westwego Drainage Pump Station No. 1, Jefferson Parish, LA
- Parish Line Pump Station No. 5, Kenner, Jefferson Parish, LA
- Hero Pump Station, Harvey, Jefferson Parish, LA
- Fulton Street Pump Station, Jefferson Parish, LA
- Improvements to Bayou Segnette Drainage Pump Station No. 1, Jefferson Parish, LA
- Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA
- Drainage Pump Station, Veterans North & South, Right-of-Way, 17th Street Canal, Jefferson Parish, LA
- Drainage Pump Station, West Esplanade and 17th Street Canals, Jefferson Parish, LA
- Ames Boulevard Drainage Pump Station Warehouse, Jefferson Parish, LA
- Bayou Segnette Fronting Protection/New Pump Station, Westwego, Jefferson Parish, LA
- Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA
- Morton & Ingrid Pump Station, Jefferson Parish, LA
- Estelle Bridge Crossing at Canal G (Estelle Pump Station No. 2), Jefferson Parish, LA
- Storm Proofing, Ames & Duncan Drainage Pump Stations, Jefferson Parish, LA
- Upper Kraak Pump Station, Jefferson Parish, LA
- Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA
- Clearview Drainage Pump Station and St. Peter's Ditch, Jefferson Parish, LA

TEC Professional Services Questionnaire

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

- Effluent Pump Station & Structures at Harvey Wastewater Treatment Plant, Jefferson Parish, LA
- Paillet Pump Station Access Road and Drainage Improvements, Jefferson Parish, LA
- Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA
- Parish Line Pump Station (Pump Station No. 5), Jefferson Parish, LA
- Estelle Pump Station Survey Update, Jefferson Parish, LA
- Westwego Pump Station No. 2, Jefferson Parish, LA
- Canal "D" Drainage Improvements, Westwego Pump Station Nos. 1 & 2, Jefferson Parish, LA
- Parish-Wide Safe House Program: Planters Pump Station Safe House, Jefferson Parish, LA
- Estelle Pump Station No. 2, Jefferson Parish, LA
- Lake Cataouatche Pump Station, Jefferson Parish, LA
- Estelle Pump Station Boundary Survey, Jefferson Parish, LA
- Harahan Pump-to-the-River, Jefferson Parish, LA
- Emergency Generators at 13 Pump Station Sites, Jefferson Parish, LA
- Parish-Wide Safe House Program: West Bank Water Treatment Plant Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: East Bank Water Plant Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Waverly Street Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Whitney-Barataria Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Westwego No. 1 Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Lake Cataouatche II Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Canal Street Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Bonnabel Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Parish Line Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Westminster-Lincolnshire PS Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Bayou Segnette Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Estelle Pump Station No. 2 Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Cousins Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Duncan Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Suburban Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Elmwood Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Hero Pump Station Safe House, Jefferson Parish, LA
- Lift Stations F6-11 & G6-4, Jefferson Parish, LA
- Rehabilitation of Sewer Lift Station F7-13 at Veterans Blvd & Neyrey Dr, Metairie, Jefferson Parish, LA
- Rehabilitation of Sewer Lift Station D4-7A at Sauve Rd & Generes Dr, Harahan, Jefferson Parish, LA
- Sewer Lift Station at Midway Drive & Soniat Canal, Harahan, Jefferson Parish, LA
- Proposed Sewer Lift Station Near Ehret Road & Broas Drive, Jefferson Parish, LA
- Sewer Lift Station D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, LA

TEC Professional Services Questionnaire

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

- 2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, LA
- Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA
- Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA
- Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA
- Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA
- Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA
- Lift Station F8-3, Metairie, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Harvey, Jefferson Parish, LA
- Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA
- Sewer Lift Station Upgrades (5th Avenue and 9th Street), Harvey, Jefferson Parish, LA
- Lift Station E3-2 (Elmwood & Citrus), Metairie, Jefferson Parish, LA
- Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Lift Station K-11-3, Marrero, Jefferson Parish, LA
- Lift Station F7-12 (Grace King and Rockford), Metairie, Jefferson Parish, LA
- Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA
- Lift Station E5-4, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA
- Lift Station G4-2B Sewer Lift Station Rehabilitation (Scott St at Causeway Blvd), Jefferson Parish, LA
- Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Kennedy Heights Sewer Lift Station C9-2 (Live Oak Boulevard), Westwego, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA
- Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA
- Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA
- Lakeside Mall Lift Station Servitude, Jefferson Parish, LA
- Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Chad M. Poché, P.E. Executive Vice President / Registered Professional Geotechnical Engineer
Project Assignment:
Engineering Liaison
Name of Firm with which associated:

Years' experience with this Firm:
7 years (became partial owner of BFM in 2017); 31 years total (1993)
<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>Soil Testing Engineers, Inc. 2001 to 2007</i> <i>Eustis Engineering 1996 to 2001</i> <i>Soil Testing Engineers, Inc. 1993 to 1996</i>
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:
<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)**

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

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

Fulton Street Pump Station, Jefferson Parish, LA. BFM Corporation provided boundary with topographic survey for the Fulton Street Pump Station project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Hero Pump Station, Harvey, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$16,380 (fee); 2018)

Westwego Drainage Pump Station No. 1, Jefferson Parish, LA. BFM Corporation provided services for a Limited Topographic Survey at the project site, Westwego Drainage Pump No. 1. The scope of services first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (BFM No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities. (\$4,725 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Gary J. Lambert, Jr., PLS Vice President / Registered Professional Land Surveyor</p>	
Project Assignment:	
Project Manager/Drafting Supervisor	
Name of Firm with which associated:	
	
Years' experience with this Firm:	
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>
Education: Degree(s)/Year/Specialization:	
B.S., 2018, Geomatics, Nicholls State University B.S., 2014, Construction Management, Louisiana State University	
Active Registration: Year first registered/discipline:	
2021, Professional Land Surveyor (Louisiana No. 5929)	
Other experience and qualifications relevant to the proposed Project:	
<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)**

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

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

Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, LA. BFM Corporation provided surveying services to verify horizontal and vertical control for the project site; an extension of a previous BFM project (#9303) where the firm provided topographic surveying services. Full documentation for the horizontal and vertical values of the control points established was provided. (\$550 (fee); 2020)

Veterans Boulevard Pump Station, Metairie, Jefferson Parish, LA. BFM executed a Survey Control Verification for the project; scope included locating and verifying the horizontal and vertical control points from a previous BFM surveying project (No. 8244; 2013/2014); a minimum of 2 horizontal and 1 vertical control points were to be provided per site. Project deliverables included a detailed indelible print with an aerial background image clearly showing point location, Northing, Easting, elevation, and description, and a high-resolution PDF of the document. (\$2,975 (fee); 2023)

Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)

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.

Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA. BFM provided boundary and topographic surveying services; this included obtaining available title data, supplemented with courthouse research. Located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks, taking elevations, and plotting the location of improvements & topographic features, both natural and man-made. Also included producing cross sections and plotting spot elevations on paving or other hard surfaces. (\$11,905 (fee); 2016)

Fulton Street Pump Station, Jefferson Parish, LA. BFM provided boundary with topographic survey for the project. The scope included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

TEC Professional Services Questionnaire

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

Westwego Drainage Pump Station No. 1, Jefferson Parish, LA. BFM Corporation provided services for a Limited Topographic Survey at the project site, Westwego Drainage Pump No. 1. The scope of services first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (BFM No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities. (\$4,725 (fee); 2018)

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, LA. BFM Corporation provided surveying services to verify horizontal and vertical control for the project site; an extension of a previous BFM project (#9303) where the firm provided topographic surveying services. Full documentation for the horizontal and vertical values of the control points established was provided. (\$550 (fee); 2020)

Levee Intake Pump Station Cell Inspection at the New East Bank Water Treatment Plant, Jefferson Parish, LA. BFM was selected by Jefferson Parish to provide a cell inspection survey for the project. Diving services were subcontracted to Specialty Diving of Louisiana, with BFM personnel supervising all data collection and resultant underwater 3D scanning (Teledyne BlueView BV5000, 3D Mechanical Scanning Sonar). (\$8,175 (fee); 2023)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Procurement Director (Proposals & Project Management Support)

Project Assignment:

Project Management Support

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

16 years (joined BFM in 2008); *BFM Corporation, LLC | 2008 to present*
17 years total (2007) *Delle Land Surveying | 2007 to 2008*

Education: Degree(s)/Year/Specialization:

Certificate, 2015, Land Surveying Services
B.S., 2007, Physical Education, Trevecca Nazarene University

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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.

Westwego Drainage Pump Station No. 1, Jefferson Parish, LA. BFM provided services for a Limited Topographic Survey at the project site. The scope first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities. (\$4,725 (fee); 2018)

Hero Pump Station, Harvey, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$16,380 (fee); 2018)

Fulton Street Pump Station, Jefferson Parish, LA. BFM provided boundary with topographic survey for the project. The scope included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

TEC Professional Services Questionnaire

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

Improvements to Bayou Segnette Drainage Pump Station No. 1, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$13,650 (fee); 2016)

Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the project. The scope of services included obtaining available title data, supplemented with courthouse research. BFM located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks (TBM), taking elevations, and plotting the location of improvements and topographic features, both natural and man-made. The scope of services included producing cross sections and plotting spot elevations on paving or other hard surfaces. (\$11,905 (fee); 2016)

Drainage Pump Station, West Esplanade and 17th Street Canals, Jefferson Parish, LA. Topographic survey with right of way and underground utilities for proposed pump stations. (\$5,976 (fee); 2014)

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

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

Harahan Pump-to-the-River, Jefferson Parish, LA. Starting in the mid 00s, BFM Corporation has been providing various surveying services to the Pump To The River project located in Harahan, Louisiana. Project work has involved setting offsite control; this included tying in to the baseline with station/offset (with northing and easting). BFM also surveyed the route for the pipeline and pump station site, starting at Mazoue Ditch/Soniat Canal intersection, and over to land adjacent to the existing Sewer treatment plant (parallel with Hickory Avenue to the Mississippi River). For the next element, BFM took soundings in the River; two lines 75 ft. apart and 200 ft. out into the river every 25 ft. BFM created legals for permanent and temporary servitudes, and provided additional topographic surveying necessary for a west-ward shift. BFM later provided updates to the overall topographic survey and provided surveying for the right-of-way and DOTD boundary. The most recent element involved writing legals for permanent and temporary servitudes for the outfall portion of the project. (2005 thru 2012)

Upper Kraak Pump Station, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$14,895 (fee); 2010)

Paillet Pump Station Access Road and Drainage Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$19,637 (fee); 2009)

Effluent Pump Station & Structures at Harvey Wastewater Treatment Plant, Jefferson Parish, LA. BFM provided surveying services to locate the effluent pump station and all structures for a section of the Harvey WWTP in Jefferson Parish. The project also included all necessary topographic surveying services. (\$2,418 (fee); 2009)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

15 years (joined BFM in 2009);
27 years total (1997)

BFM Corporation, LLC | 2009 to present
Fluor Corporation | 2007 to 2009
Geographic Computer Technologies, LLC | 2000 to 2007

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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.

Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the project. The scope of services included obtaining available title data, supplemented with courthouse research. BFM located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks (TBM), taking elevations, and plotting the location of improvements and topographic features, both natural and man-made. The scope of services included producing cross sections and plotting spot elevations on paving or other hard surfaces. (\$11,905 (fee); 2016)

Fulton Street Pump Station, Jefferson Parish, LA. BFM Corporation provided boundary with topographic survey for the Fulton Street Pump Station project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

TEC Professional Services Questionnaire

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

Westwego Drainage Pump Station No. 1, Jefferson Parish, LA. BFM Corporation provided services for a Limited Topographic Survey at the project site, Westwego Drainage Pump No. 1. The scope of services first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (BFM No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities. (\$4,725 (fee); 2018)

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

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

Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, LA. BFM Corporation provided surveying services to verify horizontal and vertical control for the project site; an extension of a previous BFM project (#9303) where the firm provided topographic surveying services. Full documentation for the horizontal and vertical values of the control points established was provided. (\$550 (fee); 2020)

Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician (AutoCADD Drafting Services)

Project Assignment:

CADD Technician (AutoCADD Drafting Services)

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

13 years (joined BFM in 2011); *BFM Corporation, LLC | 2011 to present*
33 years total (1991) *Krebs LaSalle Lemieux / GEC | 2008 to 2011*
Doug Connally and Associates Land Surveying (Dallas, TX) | 1995-2008
Electrician | 1991 to 1995
City of Plano TX (Part-Time Drafting Services) | 1991

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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 & profile, etc.) in both drafting and field environments.

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

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either

TEC Professional Services Questionnaire

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

direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the project. The scope of services included obtaining available title data, supplemented with courthouse research. BFM located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks (TBM), taking elevations, and plotting the location of improvements and topographic features, both natural and man-made. The scope of services included producing cross sections and plotting spot elevations on paving or other hard surfaces. (\$11,905 (fee); 2016)

Parish Line Pump Station No. 5, Kenner, Jefferson Parish, LA. BFM's surveying services included setting control points (recover existing control references) and verification of existing control (horizontal & vertical values on new control points). (\$2,175 (fee), 2018)

Hero Pump Station, Harvey, Jefferson Parish, LA. BFM Corporation provided topographic surveying services for the project. (\$16,380 (fee); 2018)

Improvements to Bayou Segnette Drainage Pump Station No. 1, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$13,650 (fee); 2016)

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

Drainage Pump Station, West Esplanade and 17th Street Canals, Jefferson Parish, LA. Topographic survey with right of way and underground utilities for proposed pump stations. (\$5,976 (fee); 2014)

Ames Boulevard Drainage Pump Station Warehouse, Jefferson Parish, LA. BFM provided topographic surveying services for a new warehouse building at the Ames Boulevard Pumping Station. (2014)

Bayou Segnette Fronting Protection/New Pump Station, Westwego, Jefferson Parish, LA. BFM's surveying services included establishment of vertical control for a new pump station. Total Station services were utilized for the project. (\$3,435 (fee); 2012)

Morton & Ingrid Pump Station, Jefferson Parish, LA. BFM executed a topographic survey, beginning at the Morton & Ingrid Pump Station, with said survey running along Morton Street to Elizabeth Street then continuing along Elizabeth Street towards West Napoleon Avenue and ending at the Elizabeth Street Pump Station. (\$27,500 (fee); 2012)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician (AutoCADD Drafting Services)

Project Assignment:

CADD Technician (AutoCADD Drafting Services)

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

6 years (joined BFM in 2018);	<i>BFM Corporation, LLC 2018 to present</i>
39 years total (1985)	<i>J.V. Burkes and Associates 2017 to 2018</i>
	<i>Evans-Graves Engineers 2003 to 2017</i>
	<i>J. Ray McDermott 2002 to 2003</i>
	<i>MECO (Drafting Dept) 2002 to 2003</i>
	<i>Advanced Commercial Contracting (Drafting Dept) 1999 to 2002</i>
	<i>SOTEC (Drafting Dept) 1999</i>
	<i>UNO Purchasing & Physical Plant Depts. 1985 to 1997</i>

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Kevin Roberts has direct drafting experience with civil engineering, offshore engineering, water purification systems, and general architectural and construction design & terminology. He joined BFM in 2018 and provides drafting services to the firm.

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

TEC Professional Services Questionnaire

Other experience and qualifications: **Kevin A. Roberts (continued)**

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Fisher School Phase 2 Levee, Lafitte, Jefferson Parish, LA. For this project, BFM established a Temporary Benchmark (TBM) on both ends of the proposed Fisher School Phase 2 Levee project in order to establish site elevations for the project's engineer. BFM further confirmed the Top of Wall elevation near the end of the Phase 1 project location, which was at Fleming Park Road. Per engineer request, a second TBM was set near the project site's pump station. (\$950 (fee); 2019)

Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)

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)

Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA. 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)

Lafitte Drainage Project, Town of Jean Lafitte, Jefferson Parish, LA. BFM Corporation provided Route Topographic Surveying services for a proposed drainage servitude project in the Town of Jean Lafitte in Jefferson Parish, LA. The project built on a previous BFM project (No. 10309). The project also included provision of boundary surveying in order to provide a servitude plat with legal description. The topographic survey element included establishing a baseline along the route, location of existing improvements, location of drainage, sewerage, and water structures, locating trees and drip lines, and taking spot elevations. For the Servitude Survey, BFM located property corners on the affected properties, and adjacent lots, to verify the boundary. Deliverables included a detailed indelible prints and high-resolution PDFs, cross sections & Three-Point TIE worksheet, a metes-and-bounds legal description of the servitude, and AutoCAD drawing files in DWG format. (\$11,875 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Will Farber, E.I. Land Surveyor Apprentice/Drafting Services	
Project Assignment:	
Land Surveyor Apprentice/Drafting Services	
Name of Firm with which associated:	
 Professional Land & Hydrographic Surveying	
Years' experience with this Firm:	
2 years (joined BFM in 2022); 12 years total (2012)	<i>BFM Corporation, LLC 2022 to present</i> <i>Statewide Land Surveying 2022</i> <i>AKS Engineering & Forestry 2020 to 2022</i> <i>Bridge Diagnostics Inc. 2018 to 2020</i>
Education: Degree(s)/Year/Specialization:	
B.S., 2018, Civil Engineering (minor in Surveying), LSU	
Active Registration: Year first registered/discipline:	
2018, Engineer Intern (Louisiana, No. 33903)	
Other experience and qualifications relevant to the proposed Project:	
<p>Will Farber, E.I., serves as a Land Surveyor Apprentice; his work with BFM includes survey field services and CADD drafting services (including Civil 3D). His experience also includes working with Leica Infinity, Carlson, InfraWorks, and ReCap, and has worked with Total Station for land surveying, bathometry, and photogrammetry. Will's past experience includes providing services as an NDE Field Engineer for numerous projects with several types of field inspection testing & monitoring methods; this included Photogrammetry, ultraseismic testing, ground penetrating radar (GPR), and infrared thermography, among others. This project work has included bridge dams, culverts, telecommunication structures, pavements, and other civil infrastructures.</p> <p>Veterans Boulevard Pump Station, Metairie, Jefferson Parish, LA. BFM executed a Survey Control Verification for the project; scope included locating and verifying the horizontal and vertical control points from a previous BFM surveying project (No. 8244; 2013/2014); a minimum of 2 horizontal and 1 vertical control points were to be provided per site. Project deliverables included a detailed indelible print with an aerial background image clearly showing point location, Northing, Easting, elevation, and description, and a high-resolution PDF of the document. (\$2,975 (fee); 2023)</p> <p>Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Will Farber, E.I. (continued)**

Levee Intake Pump Station Cell Inspection at the New East Bank Water Treatment Plant, Jefferson Parish, LA. BFM Corporation was selected by Jefferson Parish to provide a cell inspection survey for the project. Diving services were subcontracted to Specialty Diving of Louisiana, with BFM personnel supervising all data collection and resultant underwater 3D scanning (Teledyne BlueView BV5000, 3D Mechanical Scanning Sonar). (\$8,175 (fee); 2023)

Central Avenue Roadway Drainage & Water Main Improvements, Jefferson Parish, LA. BFM Corporation provided surveying services for the project; the scope of which consisted of verifying pipe sizes and inverts for drainage structures along the west side (only) of Central Avenue, which was located during a previous BFM project. BFM located any new drainage structures within the previous survey limits and determined the depth, size, and type of pipes within each drainage structure which were shown on the previous survey. This included catch basins, drop inlets, and ditch culvert pipes. Alterations/updates were noted on an updated version of the previous survey. (\$2,850 (fee); 2022)

Rehabilitation of Sewer Lift Station D4-7A at Sauve Road and Generes Drive, Harahan, Jefferson Parish, LA. BFM was contracted to prepare a Topographic Survey of an existing sewer lift station in Harahan. The project involved establishing a baseline as well as a Construction Benchmark and Temporary Benchmark. The survey further located improvements, utilities, and applicable trees. Spot elevations were taken at 25 foot intervals. (\$6,830 (fee); 2022)

Rehabilitation of Sewer Lift Station F7-13 at Veterans Boulevard and Neyrey Drive, Metairie, Jefferson Parish, LA. BFM was contracted to prepare a Topographic Survey of an existing sewer lift station in Metairie. The project involved establishing a baseline as well as a Construction Benchmark and Temporary Benchmark. The survey further located improvements, utilities, and applicable trees. Spot elevations were taken at 50-foot intervals. Property corners were located to establish the rights-of-way, with the final survey showing the ROW and adjacent boundary information. (\$11,570 (fee); 2022)

Sewer Lift Station at Midway Drive & Soniat Canal, Harahan, Jefferson Parish, LA. BFM Corporation executed a Topographic Surveying of the Sewer Lift Station at Midway Drive & Soniat Canal in Harahan, LA. The project included establishing a baseline and setting a Construction Benchmark, located improvements, utilities, and applicable trees, with spot elevations taken at 25 foot intervals. Apparent right-of-ways were shown on the final survey. Deliverables included detailed indelible prints, a Three-Point Tie Worksheet, and Construction Benchmark Certificate. (\$6,560 (fee); 2022)

Bonnabel Canal, from W. Esplanade Avenue to Veterans Boulevard, Metairie, Jefferson Parish, LA. The project, being executed for the Jefferson Parish Department of Capital Projects, involves establishing a baseline and setting Temporary Benchmarks. Scope includes location of improvements, utilities, and applicable trees. Spot elevations are included. The project is utilizing established Jefferson Parish GIS to show the apparent rights-of-way. The project involves 4100 lf of topographic survey along the Bonnabel Canal, from West Esplanade Avenue to Veterans Memorial Boulevard. (\$63,000 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Curtis "Jay" Barrios
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

34 years (joined BFM in 1990);
39 years total (1985)

BFM Corporation, LLC | 1990 to present
Benson Mercedes Benz | 1989 to 1990
SECO Electric | 1987
Frishhertz Electric | 1986 to 1987
Plain Construction | 1985 to 1986

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger
Basic OSHA Training Class Completion
Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

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&T).

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Veterans Boulevard Pump Station, Metairie, Jefferson Parish, LA. BFM executed a Survey Control Verification for the project; scope included locating and verifying the horizontal and vertical control points from a previous BFM surveying project (No. 8244; 2013/2014); a minimum of 2 horizontal and 1 vertical control points were to be provided per site. Project deliverables

TEC Professional Services Questionnaire

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

included a detailed indelible print with an aerial background image clearly showing point location, Northing, Easting, elevation, and description, and a high-resolution PDF of the document. (\$2,975 (fee); 2023)

Fulton Street Pump Station, Jefferson Parish, LA. BFM Corporation provided boundary with topographic survey for the Fulton Street Pump Station project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

East Bank Water Treatment Plant Improvements Project (including Laser Scanning), Jefferson Parish, LA. BFM provided surveying services for Tasks 1 (topographic) and 2 (boundary) of the project, part of a major improvements project for the East Bank Water Treatment Plant located at 3600 Jefferson Highway in Jefferson Parish. This included executing a 3D Laser Scan for an As-Built Utilities survey. Draft surveying (in conjunction with the Prime Firm) as well as provision of final survey were prepared as directed. (\$166,230 (fee); 2017)

Lafitte Drainage Project, Town of Jean Lafitte, Jefferson Parish, LA. BFM Corporation provided Route Topographic Surveying services for a proposed drainage servitude project in the Town of Jean Lafitte in Jefferson Parish, LA. The project built on a previous BFM project (No. 10309). The project also included provision of boundary surveying in order to provide a servitude plat with legal description. The topographic survey element included establishing a baseline along the route, location of existing improvements, location of drainage, sewerage, and water structures, locating trees and drip lines, and taking spot elevations. For the Servitude Survey, BFM located property corners on the affected properties, and adjacent lots, to verify the boundary. Deliverables included a detailed indelible prints and high-resolution PDFs, cross sections & Three-Point TIE worksheet, a metes-and-bounds legal description of the servitude, and AutoCAD drawing files in DWG format. (\$11,875 (fee); 2022)

Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA. BFM executed Topographic Surveying services involving location & elevations of the drainage structures for monitoring of the Taft Park Pump Station. The survey encompassed the area extending from 33rd Street (Vernon Street) to West Napoleon Avenue. The scope included establishing a project baseline that could be recovered for construction; elevations & spot elevations, and; cross sections. The survey also plotted the location of improvements within the designated limits of survey. (\$23,531 (fee); 2009)

Parish-Wide Safe House Program, Jefferson Parish, LA. BFM provided surveying services associated with elevated safe houses at multiple locations throughout Jefferson Parish; this was part of a Parish-wide project to establish safe houses for pumping stations at multiple locations which will allow pump operators to safely remain at their station, ensuring the pumps continue to operate, during a hurricane event. (\$112,490 (fee); 2005 - 2007)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Gladney II
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

B F M CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

10 years (joined BFM in 2014);
23 years total (2001)

BFM Corporation, LLC | 2014 to present
Seatech Industries | 2010 to 2012
Richmond W. Krebs & Associates, LLC | 2008 to 2010
Krebbs, LaSalle, LeMieux Consultants Inc. | 2003 to 2008

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger
Basic OSHA Training Class Completion
Norfolk Southern Roadway Worker Protection Contractor Safety Certificate
Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)

TEC Professional Services Questionnaire

Other experience and qualifications: **Eric Gladney II (continued)**

Central Avenue Roadway Drainage & Water Main Improvements, Jefferson Parish, LA. BFM Corporation provided surveying services for the project; the scope of which consisted of verifying pipe sizes and inverts for drainage structures along the west side (only) of Central Avenue, which was located during a previous BFM project. BFM located any new drainage structures within the previous survey limits and determined the depth, size, and type of pipes within each drainage structure which were shown on the previous survey. This included catch basins, drop inlets, and ditch culvert pipes. Alterations/updates were noted on an updated version of the previous survey. (\$2,850 (fee); 2022)

The Westshore Enhancements Storm Surge Protection Project (Phase 1 & 2), Ascension Parish, LA. BFM provided Boundary and Route Topographic and Hydrographic Surveying for the project in Ascension Parish, LA; as established, the project was executed in two phases. For both phases, BFM established a baseline along the route with the beginning, end, and points of intersection referenced by three-point ties to topographic features in the area. Existing improvements within the designated Limits of Survey were located; as were above ground and underground utilities. The survey also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures. Deliverables for both phases included detailed prints, a Three-Point Tie Worksheet, and a high-resolution PDF and AutoCAD DWG files. (\$477,340 (fee); 2023)

Proposed Sewer Lift Station Near Ehret Road & Broas Drive, Jefferson Parish, LA. BFM Corporation provided boundary with topographic surveying services for the proposed Sewer Lift Station project located near Ehret Road and Broad Drive. The survey was incorporated into BFM previous project #10009 (Sewer Lift Station L-1 3-6; February 2019). Project included establishing a baseline, taking spot elevations, locating improvements & utilities, and preparing a Construction Benchmark. The scope also involved property acquisition surveys, including setting property corners. (\$9,760 (fee); 2022)

Proposed Baton Rouge Ground Storage Tank, East Baton Rouge Parish, City of Baton Rouge, LA. For the project, BFM Corporation provided boundary and topographic surveying services, including establishing a baseline and setting both a Construction Benchmark (CBM) and Temporary Benchmark (TBM). The survey further located improvements, utilities, property corners, edge of wooded areas, geotechnical bore holes, and swale (minor swales/ditches & existing sewer manholes) for sewer trunkline. Spot elevations were also taken, as were finished floor elevations (FFE). (\$46,210 (fee); 2021)

Route Topographic Survey for Jefferson Parish Waterline Replacement Project, Central Avenue, Karen Avenue, and Newman Avenue, JPPW 2023-007-WRB, Jefferson Parish, LA. BFM Corporation was selected to prepare a Route Topographic Survey for the project (approximately 5,650 linear feet). The project will establish a baseline throughout the project, a Construction Benchmark (CBM), and set Temporary Benchmarks (TBMs) along each route. Existing improvements and utilities will be located. BFM will determine depth, size, and type of pipes and locate and identify trees. BFM will also locate property corners to establish the rights-of-way. BFM has provided surveying on multiple Waterline Projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$67,740 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Zachary D. Pittman
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

1 year (joined BFM in 2023);
27 years total (1997)

BFM Corporation, LLC | 2023 to present
Atwell Oil and Gas | 2020 to 2023
Universal Pegasus-Hill | 2017 to 2020
Altura Land Consultants (CO) | 2017 to 2017
NOLA Construction | 2016 to 2017
Gandolfo Kuhn | 2014 to 2016
Cavada Surveyors (CO) | 2013 to 2014
McClone Construction (CO) | 2013 to 2013
GEC Engineering (fm Krebs Lasalle Lemeiux Eng) | 2010 to 2013
Jerry Rugg PLS | 2007 to 2010
Mike Duty PLS | 2006 to 2007
Sage Alliance Co Engineers (AZ) | 2006 to 2006
Tommy Semmes Jr. Surveying | 2005 to 2005
Mike Duty PLS | 2004 to 2005
Cross Country Surveyors | 2002 to 2003
Falcon Surveying (CO) | 2002 to 2002
Charlie Peterson PLS (FL) | 2002 to 2002
Maroney Engineering | 2001 to 2002
Eastside Glass and Sealants (WA) | 2000 to 2000
Jerry Rugg PLS | 1999 to 2000
Mike Duty PLS | 1997 to 1999

Education: Degree(s)/Year/Specialization:

High School Diploma
Bachelor of Arts Coursework (2 years), University of Louisiana at Monroe

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Zachary Pittman has worked in the industry since 1997 and has vast experience in surveying services, including a multitude of project types and thousands of projects throughout the region, having served as both Survey Crew Chief and Instrumentman/Rodman. As a field layout engineer, he was in charge of layout and quality control for a large concrete construction company and

TEC Professional Services Questionnaire

Other experience and qualifications: **Zachary D. Pittman (continued)**

further served as a part-time foreman for oversight of foundation, wall, and caisson crews. Mr. Pittman's project experience includes topographic and hydrographic surveying tasks, including ALTA, boundary, elevation certificates, land planning, lot stakeouts, construction layout, and civil engineering projects. Projects have included cell towers, large and small pipeline construction programs, a large light rail project, sports complex buildings, bridge layouts, gas compressor station as-built and natural gas projects, meter stations and main line replacements, and industrial/gas plants and mines.

Mr. Pittman has Multiple Operator Qualifications for all aspects of pipeline locating and surveying, and is experienced with all instrumentation and various other aspects of surveying involved. This includes Static and RTK GPS; Leica, TDS, Trimble, and Topcon operating systems; Robotic Total Station, and Leica, Trimble, and FARO scanning systems. He also is knowledgeable with JSA, job task, and quality control documents as well as Bluebeam Construction Software, Trimble Business Center, Captivate, and CAD.

Lift Stations F6-11 & G6-4, Jefferson Parish, LA. BFM provided Topographic & Right-of-Way Surveying; scope included establishing a baseline, taking spot elevations (25 ft intervals), location of existing improvements and natural elements as well as utilities (above- and below-ground) and piping (drainage, sewerage, and water structures). BFM also located property corners to establish the rights-of-way and property ownership for the two sites. Project deliverables included prints, high-resolution PDF, Three-Point Tie Worksheet, and AutoCAD drawing files. A Construction Benchmark Certificate was provided for each site. (\$17,860 (fee); 2024)

Bonnabel Canal Right-Of-Way Survey, Jefferson Parish, LA. BFM was selected to provide Right-of-Way Surveying services for the project area along a portion of the Bonnabel Canal; the survey established the easterly & westerly right-of-way for Bonnabel Canal in relation to the properties along the east of the canal (Bonnabel Place Subdivision) and the westerly side of the canal (Beverly Garden Extension). Scope included providing an abstract to trace the chain of title (including any known or recorded servitudes), and locating property corners and the top of bank along the east and west of Bonnabel Canal to show it in relation to the rights-of-way/servitude. Project deliverables included a Signed & Sealed Survey Plat and high-resolution PDF. (\$47,680 (fee); 2024)

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)

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:	
<p>Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, Louisiana</p> <p>ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70006</p> <p>Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com</p>	<p>BFM provided a Route Topographic Survey with Hydrographic Survey; the levee and hydrographic survey area was noted as 400 ft. wide (200 ft. in either direction of the extended centerline of Colonial Heights Rd.). The hydrographic survey extended 500 ft. into the river from the water's edge. Project scope also included research of public land records; location of property corners; establishing a baseline along the rear property line, and; establishing Temporary Benchmarks. Existing improvements were located, as well as above & below-ground. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2020	N/A	\$89,780 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Fulton Street Pump Station, Jefferson Parish, Louisiana</p> <p>Burk-Kleinpeter, Inc. 4176 Canal Street New Orleans LA 70119</p> <p>Tony Moschella, 504-486-5901 tmaschella@bkiusa.com</p>	<p>BFM provided boundary with topographic survey for the project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2017	N/A	\$11,890 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Orange Lane Drainage Pump Station Project (Drainage Mapping), Grand Isle, Jefferson Parish, Louisiana</p> <p>AIMS Group, Inc. 4421 Zenith Street Metairie LA 70001</p> <p>Lowell Pitré, P.E., 504-887-7045 ljp@aimsgroupinc.com</p>	<p>The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue in Grand Isle, Louisiana. The scope of services includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2020	N/A	\$32,280 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Westwego Drainage Pump Station No. 1, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Drainage 1221 Elmwood Park Blvd Ste 907 Harahan LA 70123</p> <p>Ben Lepine, 504-736-6759 blepine@jeffparish.net</p>	<p>BFM provided services for a Limited Topographic Survey at the project site, Westwego Drainage Pump No. 1. The scope of services first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (BFM No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2018	N/A	\$4,725 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>North Arnoult Drainage Pump Station Improvements, Jefferson Parish, Louisiana</p> <p>Hartman Engineering, Inc. 527 W. Esplanade Ave Suite 300 Kenner LA 70065</p> <p>Rolland A. Mura, 504-466-5667 rmura@harteng.com</p>	<p>The project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2019	N/A	\$6,870 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Timberview Lane Pump Station, Harvey, Jefferson Parish, Louisiana</p> <p>H. Davis Cole & Associates, Inc. 1340 Poydras Street Suite 1850 New Orleans LA 70112</p> <p>H. Davis Cole, P.E., 504-836-2020 hdcole@hdaviscole.com</p>	<p>BFM was selected to provide topographic surveying services for the project, which involved establishing a baseline and construction benchmark, locating improvements and above & below ground utilities (for each utility, BFM located the upstream/downstream structures), and taking spot elevations at 10 ft. intervals.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2022	N/A	\$4,530 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Veterans Boulevard Pump Station, Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Engineering 1221 Elmwood Pk Blvd Ste 802 Jefferson LA 70123</p> <p>Matthew Zeringue, 504-736-6500 meringue@jeffparish.net</p>	<p>BFM executed a Survey Control Verification for the project; scope included locating and verifying the horizontal and vertical control points from a previous BFM surveying project (No. 8244; 2013/2014); a minimum of 2 horizontal and 1 vertical control points were to be provided per site. Project deliverables included a detailed indelible print with an aerial background image clearly showing point location, Northing, Easting, elevation, and description, and a high-resolution PDF of the document.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2023	N/A	\$2,975 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, Louisiana</p> <p>ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70006</p> <p>Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com</p>	<p>BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2023	N/A	\$6,775 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Drainage 1221 Elmwood Park Blvd Ste 907 Harahan LA 70123</p> <p>Ben Lepine, 504-736-6759 blepine@jeffparish.net</p>	<p>BFM Corporation provided surveying services to verify horizontal and vertical control for the project site; an extension of a previous BFM project (#9303) where the firm provided topographic surveying services. Full documentation for the horizontal and vertical values of the control points established was provided.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2020	N/A	\$550 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, Louisiana</p> <p>CB&I Coastal, Inc. 2424 Edenborn Ave Ste 450 Metairie LA 70001-6463</p> <p>Gene S. Gillen, P.E., 504-832-4878 gene.gillen@CBI.com</p>	<p>BFM provided boundary and topographic surveying services for the project. The scope of services included obtaining available title data, supplemented with courthouse research. BFM located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks (TBM), taking elevations, and plotting the location of improvements and topographic features, both natural and man-made. The scope of services included producing cross sections and plotting spot elevations on paving or other hard surfaces.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2016	N/A	\$11,905 (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.	<p><i>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i></p>	
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.

Please refer to our projects noted in our personnel listings in Item K as well as the representative projects shown in Item L for specific project examples and an overview of our surveying experience with Jefferson Parish.

BFM’s capabilities include the following and more:

- Topographic Surveying
- Drone Surveying / Photogrammic and LiDAR

TEC Professional Services Questionnaire

N. continued.

- Bathymetric / Hydrographic Surveys
- Property, Boundary, and Right-of-Way Surveys
- Maps, Cross-Sections, and Data Sets
- 3D Laser Scanning
- Benchmarks
- Construction-Related Surveying
- Builder's Package Surveys
- American Land Title Association (ALTA) Surveys

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

Our **Survey Field Crews** are equipped with Leica 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). Crews are outfitted with Leica TS series robotic total stations, simplifying and expediting projects. Furthermore, BFM has photogrammetry included into our GPS Receivers that allow our technicians to capture and utilize point cloud data in the field. The tilt functionality built into the GPS receivers allows for shooting without leveling the rod; this greatly increases speed of fieldwork while keeping accuracy and precision intact. BFM's crews are trained to use this equipment to its full potential to maximize efficiency and accuracy in the field.

BFM's Drone Surveying features a DJI Matrice drone; this allows BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

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

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

TEC Professional Services Questionnaire

N. continued.

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.

As noted in **item E** of this form, BFM currently has a **full-time staff of over 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.

Our workload will allow for quick assignment of key personnel to any project assigned under this task. Our 40+ year history with the Parish is evidence of our responsiveness and our commitment to the Parish, its Departments, and its citizens.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 4 | PAST PERFORMANCE

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.**

Please refer to our projects noted in our personnel listings in Item K as well as the representative projects shown in Item L for specific project examples and an overview of our surveying experience with Jefferson Parish.

CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

BFM has called Jefferson Parish home since the firm's inception in 1982; our 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 | REFERENCES

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).** We invite you to discuss our project work with the references noted for each project.

BFM Corporation 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)

TEC Professional Services Questionnaire

N. continued.

Angela DeSoto, P.E., Director of Engineering, Jefferson Parish

(504-736-6511 | ADeSoto@jeffparish.net)

Sid Trouard, P.E., Program Manager, Jefferson Parish Sewerage Capital Improvement Program

(504-736-6386 | STrouard@jeffparish.net)

Ben Lapine, Acting Director, Department of Drainage, Jefferson Parish

(504-736-6661 | JPSewerage@jeffparish.net)

Michael B. Cooper, Parish President, St. Tammany Parish

(985-898-2362 | president@stpgov.org)

José A. Gonzales, CAO, City of Kenner

(504-468-4090 | jgonzalez@kenner.la.us)

Khalid L. Saleh, PhD, Capital Program Administrator, New Orleans Public Works Dept.

(504-658-8000 | khsaleh@nola.gov)

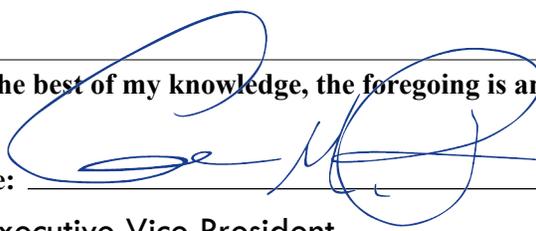
Greg Cromer, Mayor, City of Slidell

(985-646-4333 | gcromer@cityofslidell.org)

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

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

Signature: _____



Print Name: Chad M. Poché, P.E.

Title: Executive Vice President

Date: August 22, 2024

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

Name: Public Address:

15 Veterans Memorial Boulevard
Kenner, Louisiana 70062
BFM Corporation, LLC

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

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Independence Park Drainage Pump Station
SOQ 24-029 | Resolution No. 144443

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>1</u> Construction Svcs Manager
		<u>4</u> Laboratory Personnel
		<u>3</u> Soil Boring Personnel
		<u>30</u> TOTAL

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

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

TEC Professional Services Questionnaire

<p>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.</p>		
<p>1. N/A</p>		
<p>2.</p>		
<p>H. Has this JOINT-VENTURE previously worked together? Please check: YES _____ NO _____ N/A</p>		
<p>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.</p>		
<p>Name & Address:</p>	<p>Specialty:</p>	<p>Worked with Firm Before (Yes or No):</p>
<p>1. N/A</p>		
<p>2.</p>		
<p>3.</p>		
<p>J. Please specify the total number of support personnel that may assist in the completion of the Project: _____ 30 _____ (all personnel will be available for assignment to the project)</p>		

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.

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)

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

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

Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Morton & Ingrid Pump Station Rehabilitation, Jefferson Parish, LA. Geotechnical investigation for below grade pump station replacement. Gulf South drilled 1 boring to 30 feet below the ground surface, provide laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding, and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,900 (fee); 2012)

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric A. Paille, C.E.T., ACI
Construction Services Manager

Project Assignment:

Construction Services Manager

Name of Firm with which associated:

Years' experience with this Firm:

13 years (joined Gulf South in 2011);
35 years total (1989)

Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Soil Testing Engineers, Inc. | 1988 to 2007

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

ACI-I Field Technician (since 1991; No. 929012)
Certified Engineering Technician (since 1992)
Nuclear Gauge Safety Training (since 1994; No. 061321)
Pile Driving Analyzer/CAPWAP, OSHA 40 HAZWOPER

Other experience and qualifications relevant to the proposed Project:

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.

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

Replacement of Sewer Pump Station (SPS) 8, Sewerage & Water Board of New Orleans, LA. This \$15 million project consisted of the replacement of a sewer pump station for the Sewerage &

TEC Professional Services Questionnaire

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

Water Board of New Orleans. Gulf South provided field and laboratory inspection and testing of materials during construction (CMT). Our scope of services included performing: a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including field density tests, and steel inspection. (\$103,411 (fee); 2019)

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

Westwego Pump Station #1, Jefferson Parish, LA. Gulf South performed field and laboratory testing during pump station #1 installation. Scope of services included field density tests, concrete testing and inspection, laboratory testing, and vibration monitoring. (\$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)

Pump Station A Investigation (St. Ann St. & Essence Way), Sewerage & Water Board of New Orleans, LA. Geotechnical investigation for determining existing pile foundation conditions for Pump Station A in the Treme-Lafitte neighborhood of New Orleans, LA. Gulf South's scope includes drilling three soil borings each to a depth of 120 feet, laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable pile load capacities and general construction recommendations for repair of the damaged areas. (\$24,325 (fee); 2015)

Violet Pump Stations (3 Sites), St. Bernard Parish, LA. Geotechnical investigation for St. Bernard Parish at three proposed pump/lift station sites. Gulf South's scope of work included performing three soil borings each to a depth of 120 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, bedding and backfill recommendations, uplift pressures, estimates of settlement, and general construction recommendations. (\$15,000 (fee); 2014)

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Brandon A. Paille, ACI

Construction Materials Testing (CMT) Supervisor/Project Manager

Project Assignment:

Construction Materials Testing (CMT) Supervisor/Project Manager

Name of Firm with which associated:


ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years' experience with this Firm:

5 years (2012-2016; 2023 to present);
14 years total (2010)

Gulf South Engineering and Testing, Inc. | 2023 to present
Ascension Parish Sheriff's Office | 2016 to 2023
Gulf South Engineering and Testing, Inc. | 2012 to 2016
Ardaman and Associates, Inc. | 2010 to 2012

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:

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.

New Sewer Lift Station (Butler Drive & Grambling Street) E-10-1, Waggaman, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$30,000 (fee); ongoing)

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

TEC Professional Services Questionnaire

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

Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)

East Bank Transit Operations Facility, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; soil density tests; earthwork inspection and testing; pile inspection and modeling; vibration monitoring; asphalt inspection; backfill compaction testing, and; static pile load testing. (\$16,000 (fee); 2024)

Northbound Manhattan Boulevard Widening, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes asphalt inspection; concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$11,000 (fee); 2023)

Bonanza Pump Station Flood Protection, Houma, Terrebonne Parish, LA. Geotechnical investigation for replacement of an existing bulkhead at Terrebonne Parish's Bonanza Pump Station in Houma, LA. Gulf South's scope of work included performing a soil boring to a depth of 80 feet, laboratory testing, and geotechnical engineering analyses consisting of bulkhead design parameters (tip depth, bending moment, anchor force, etc.), and general construction recommendations. (\$4,500 (fee); 2013)

Taft Park Drainage Improvements, Jefferson Parish, LA. Perform inspection and testing during construction of various drainage improvements at Taft Park. 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. (\$25,000 (fee); 2015)

Drainage System Engineering Analysis – CCTV Drain Line Inspections, City of New Orleans, LA. Project management and oversight of cleaning/flushing and inspection of sewer drainage pipelines in New Orleans, LA. Gulf South oversaw field operations and coordinated project phases with subcontractors. Subcontractor's inspection methods will utilize CCTV camera equipment to record drain line data. During post processing phase, all data was compiled and consolidated to create a digital database of the drain line information. (\$20,000 (fee); 2014)

Casing Installation - 40 Arpent Canal Floodwall, Chalmette, St. Bernard Parish, LA. Geotechnical investigation for casing installations at 40 Arpent Canal floodwall in Chalmette, LA. Casings installed to perform sonic tests to determine sheet pile lengths. Casings installed to depths of 40 to 60 feet below the ground surface and within 15 feet of the existing sheet pile. (\$18,900 (fee); 2014)

Grand Gulf Nuclear Station, Port Gibson, Claiborne County, MS. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing, soil density tests, earthwork inspection and testing. Safety requirements and badging to enter facility were extensive. (\$50,000 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>James Tiner, ACI Laboratory Manager/Field Supervisor</p>	
Project Assignment:	
Laboratory Manager/Field Supervisor	
Name of Firm with which associated:	
	
Years' experience with this Firm:	
<p>11 years (2013 to present); 27 years total (1997)</p>	<p><i>Gulf South Engineering & Testing, Inc. 2013 - present</i> <i>Ardaman & Associates, Inc. 2007 - 2013</i> <i>Soil Testing Engineers, Inc. 1997 - 2007</i></p>
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
American Concrete Institute (ACI) Grade 1 Certification	
Other experience and qualifications relevant to the proposed Project:	
<p>James Tiner, ACI, has a quarter-century of experience in both field and laboratory testing & inspection. His field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, steel inspection, augercast pile inspection, vibration monitoring, drilled shaft inspection, static and dynamic pile load tests, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring.</p> <p>In the laboratory, Mr. Tiner 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>Westwego Pump Station #1, Jefferson Parish, LA. Gulf South performed field and laboratory testing during pump station #1 installation. Scope of services included field density tests, concrete testing and inspection, laboratory testing, and vibration monitoring. (\$10,000 (fee); 2016)</p> <p>Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); ongoing)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **James Tiner, ACI (continued)**

Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)

East Bank Transit Operations Facility, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; soil density tests; earthwork inspection and testing; pile inspection and modeling; vibration monitoring; asphalt inspection; backfill compaction testing, and; static pile load testing. (\$16,000 (fee); 2024)

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

Wastewater Treatment Plant (WWTP) No. 3 Expansion, City of Kenner, LA. Geotechnical investigation for expansion of the City of Kenner's WWTP. Expansion consists of new clarifiers, buildings, above and below grade piping, and pump stations. Services consist of drilling 11 soil borings to depths of 20 to 110 feet below ground surface, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, allowable pile load capacities, bedding and backfill recommendations, seismic classification, earth pressures, estimates of settlement, and general paving design recommendations. (\$39,000 (fee); 2012)

Replacement of Sewer Pump Station (SPS) 8, Sewerage & Water Board of New Orleans, LA. This \$15 million project consisted of the replacement of a sewer pump station for the Sewerage & Water Board of New Orleans. Gulf South provided field and laboratory inspection and testing of materials during construction (CMT). Our scope of services included performing: a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including field density tests, and steel inspection. (\$103,411 (fee); 2019)

Bonanza Pump Station Flood Protection, Houma, Terrebonne Parish, LA. Geotechnical investigation for replacement of an existing bulkhead at Terrebonne Parish's Bonanza Pump Station in Houma, LA. Gulf South's scope of work included performing a soil boring to a depth of 80 feet, laboratory testing, and geotechnical engineering analyses consisting of bulkhead design parameters (tip depth, bending moment, anchor force, etc.), and general construction recommendations. (\$4,500 (fee); 2013)

Bonanza Pump Station Flood Protection, Houma, Terrebonne Parish, LA. Geotechnical investigation for replacement of an existing bulkhead at Terrebonne Parish's Bonanza Pump Station in Houma, LA. Gulf South's scope of work included performing a soil boring to a depth of 80 feet, laboratory testing, and geotechnical engineering analyses consisting of bulkhead design parameters (tip depth, bending moment, anchor force, etc.), and general construction recommendations. (\$4,500 (fee); 2013)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Bryson S. Beard, P.E., ACI
Associate Geotechnical Engineer/Field Engineer

Project Assignment:

Associate Geotechnical Engineer/Field Engineer

Name of Firm with which associated:

Years' experience with this Firm:

2 years (joined Gulf South in 2022); *Gulf South Engineering and Testing, Inc. | 2022 to present*
3 years total (2021) *TetraTech, Inc. | 2021 to 2022*

Education: Degree(s)/Year/Specialization:

B.S., Geological Engineering (2021; University of Mississippi)

Active Registration: Year first registered/discipline:

Louisiana P.E. License Passed October 2023
Georgia, Engineering Intern (No. EIT029180, 2022)

Other experience and qualifications relevant to the proposed Project:

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.

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.

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)

TEC Professional Services Questionnaire

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

Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Sewer Lift Station No. F6-2 (W. Napoleon Blvd.), Metairie, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for upgrading an existing below grade sewer lift station (No. F6-2) off West Napoleon Boulevard in Metairie, LA. Gulf South's scope includes drilling a single boring to a depth of 60 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations. (\$5,000 (fee); 2022)

Geotechnical Exploration Report for Multiple Sewer Lift Station Sites, Assumption Parish, LA. The Geotechnical Exploration Report's scope included drilling five undisturbed soil borings (each to a depth of 50 ft b.g.s.) 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. Soil mechanics laboratory tests consisted of classification tests (moisture, unit weight, Atterberg's, etc.) and unconfined/triaxial compression strength testing. Engineering analyses included soil classification, allowable pile load capacities, probe piles & pile load tests, vibration monitoring, etc.), and general construction procedures and recommendations. (\$20,000 (fee); 2024)

Lift Station Upgrade (24th St. and Delaware Ave.), City of Kenner, LA. Geotechnical engineering services for construction of a new generator pad and wet well located at 24th Street and Delaware Avenue in Kenner, LA. Gulf South's scope of services includes drilling two borings to a depths of 70 feet (1 boring for wet well) and 50 feet (1 boring for generator pad) below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Lift Station No. 4330 Upgrade (New Wet Well), City of Kenner, LA. Geotechnical investigation related to the upgrades (below grade wet well and valve vault structures) of the existing below-grade Sewer Lift Station No. 4330 at 131 W. Esplanade Ave. in Kenner, LA. Scope involved drilling two undisturbed soil borings to depths of 70 feet (1 boring for wet well) and 15 feet (1 boring for valve pit) below the existing ground surface. Geotechnical laboratory testing was performed in accordance with the appropriate ASTM standards, this included strength tests (unconfined and/or triaxial) and classification tests (Atterberg Limits and/or particle size). Geotechnical evaluations (necessary to characterize the subsoil conditions of the site and develop engineering recommendations and analyses) included allowable pile load capacities, estimates of settlement, below-grade foundations (as appropriate), bedding and backfill recommendations, and general construction procedures and recommendations. (\$8,500 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Joseph H. "Trey" Binder, III, ACI
Laboratory Manager

Project Assignment:

Laboratory Manager; Laboratory Technician

Name of Firm with which associated:

Years' experience with this Firm:

13 years (joined Gulf South in 2011);
13 years total (2011)

Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Soil Testing Engineers, Inc. | 2006 to 2007

Education: Degree(s)/Year/Specialization:

A.D., General Studies (2006; Nunez Community College)

Active Registration: Year first registered/discipline:

HAZMAT Awareness
HAZMAT Operations Training
ACI Aggregate Base Testing Technician
ACI Concrete Strength Testing Technician

Other experience and qualifications relevant to the proposed Project:

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.

Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side. (\$35,000 (fee); 2022)

TEC Professional Services Questionnaire

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

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)

Morton & Ingrid Pump Station Rehabilitation, Jefferson Parish, LA. Geotechnical investigation for below grade pump station replacement. Gulf South drilled 1 boring to 30 feet below the ground surface, provide laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding, and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,900 (fee); 2012)

Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

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

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

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

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Tyler W. Pregeant, ACI Engineering Technician; CMT/Laboratory Technician	
Project Assignment:	
Engineering Technician; CMT/Laboratory Technician	
Name of Firm with which associated:	
 GULF SOUTH ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants	
Years' experience with this Firm:	
5 years (joined Gulf South in 2019); Gulf South Engineering and Testing, Inc. 2019 to present 7 years total (2017)	
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i> <i>Currently attending UNO in Civil Engineering Program</i>	
Active Registration: Year first registered/discipline:	
<i>ACI Concrete Field Testing Technician - Grade I (02206931)</i>	
Other experience and qualifications relevant to the proposed Project:	
<p>Tyler Pregeant, ACI, serves as an engineering technician with the soil boring drill crew, within the soils' laboratory, and on construction projects as needed. His duties and responsibilities have included leading a drill crew, staking boring sites, supervising clearing contractors, data entry, testing soil for engineering properties of strength and classification, soil boring logging, vibration monitoring, and concrete testing and inspection. Laboratory tests performed include unconfined shear tests, moisture content tests, density tests, Atterberg limits tests, grain size sieve analyses, organic content tests and concrete strength breaks.</p> <p>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)</p> <p>Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); ongoing)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Tyler W. Pregeant, ACI (continued)**

New Sewer Lift Station (Butler Drive & Grambling Street) E-10-1, Waggaman, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$30,000 (fee); ongoing)

Geotechnical Exploration Report for Kennedy Heights Lift Station Generator, Avondale, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project. The study included drilling soil borings and lab testing to determine subsoil conditions and groundwater/moisture content. Deep foundation recommendations included allowable pile load capacities, pile driving recommendations, probe piles and pile load tests, vibration monitoring recommendations, drag load/group effect, estimated settlement for pile foundations, and recommendations for site preparation, fill placement, compaction, and materials. (\$6,500 (fee); 2024)

Geotechnical Exploration Report for Lift Station Generators (4 Sites - F6-1, F6-11, F6-13, G6-4), Metairie, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project. The study included drilling soil borings and lab testing to determine subsoil conditions and groundwater/moisture content. Deep foundation recommendations included allowable pile load capacities, pile driving recommendations, probe piles and pile load tests, vibration monitoring recommendations, drag load/group effect, estimated settlement for pile foundations, and recommendations for site preparation, fill placement, compaction, and materials. (\$24,000 (fee); 2024)

Geotechnical Exploration Report for Sewer Lift Station (Hillcrest Drive), Marrero, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project. The study included drilling soil borings and lab testing to determine subsoil conditions and groundwater/moisture content. Deep foundation recommendations included allowable pile load capacities, pile driving recommendations, probe piles and pile load tests, vibration monitoring recommendations, drag load/group effect, estimated settlement for pile foundations, and fill materials & fill placement and compaction. Recommendations for inspection and protection of the bearing surface and uplift pressures were also noted. (\$8,500 (fee); 2024)

Bucktown Paddlers Launch, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes building earthwork, paving & concrete, concrete testing, soil density tests, pile inspection and modeling, and vibration monitoring. (\$6,000; ongoing)

East Bank Transit Operations Facility, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; soil density tests; earthwork inspection and testing; pile inspection and modeling; vibration monitoring; asphalt inspection; backfill compaction testing, and; static pile load testing. (\$16,000 (fee); 2024)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Ian Kerner Poché, ACI Assistant Laboratory Supervisor	
Project Assignment:	
Assistant Laboratory Supervisor	
Name of Firm with which associated:	
 GULF SOUTH ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants	
Years' experience with this Firm:	
7 years (joined Gulf South in 2017); 7 years total (2017)	<i>Gulf South Engineering and Testing, Inc. 2017 to present</i>
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
<i>ACI Concrete Field Testing Technician - Grade 1 (exp 2028 03)</i> <i>ACI Aggregate Testing Technician - Level 1 (exp 2029 02 27)</i>	
Other experience and qualifications relevant to the proposed Project:	
<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>Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane in Grand Isle. Gulf South's scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall. (\$7,500 (fee); 2020)</p> <p>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)</p>	

TEC Professional Services Questionnaire

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

Pump Station 45 Upgrades (Clark Street), East Baton Rouge Parish, LA. Geotechnical investigation regarding the construction of a new pump station and a new 5 MG tank (with the option to build a second tank) at the existing PS 45 site along Clark Street in Baton Rouge, LA. Scope of services included drilling 11 undisturbed soil borings to depths of 80 to 120 ft. below the ground surface. Geotechnical laboratory testing were performed to ASTM standards and include strength test (unconfined and/or triaxial), classification tests (Atterberg Limits and/or particle size), consolidation tests, and others as appropriate. Geotechnical engineering analyses included allowable soil bearing values, shaft/pile load capacities, estimates of settlements, sludge loading analyses, and general construction procedures and recommendations. (\$68,000 (fee); 2023)

Dellwood Drainage Pump Station Improvement (Sun Valley Drive & Front Street), City of Slidell, LA. Geotechnical engineering services for construction improvements to the existing drainage pump station at the end of Sun Valley Drive and Front Street in Slidell, LA. Gulf South's scope of services includes drilling a single boring to a depth of 50 feet below the ground surface, laboratory testing, engineering analyses (bearing values, settlement, pile and shaft capacities) and general construction procedures and recommendations. (\$4,000 (fee); 2022)

Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); ongoing)

Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)

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

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

Lift Station Upgrade (24th St. and Delaware Ave.), City of Kenner, LA. Geotechnical engineering services for construction of a new generator pad and wet well located at 24th Street and Delaware Avenue in Kenner, LA. Gulf South's scope of services includes drilling two borings to a depths of 70 feet (1 boring for wet well) and 50 feet (1 boring for generator pad) below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations. (\$7,500 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Walter Jones Technician/Inspector	
Project Assignment:	
Technician/Inspector	
Name of Firm with which associated:	
 ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants	
Years' experience with this Firm:	
7 years (joined Gulf South in 2017); 19 years total (2005)	<i>Gulf South Engineering and Testing, Inc. 2017 to present</i> <i>Little Debbie Ind. Distributors 2013 to 2017</i> <i>Applied Business Concepts 2006 to 2013</i> <i>Royal Guard Corporation 2005 to 2006 & 2013</i>
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
American Portable Nuclear Gauge Assn. (APNGA) Certification OSHA Training	
Other experience and qualifications relevant to the proposed Project:	
<p>Walter Jones serves as a Technician/Inspector for Gulf South Engineering and Testing, Inc. He has provided services for a multitude of projects throughout the region since joining the firm in 2017.</p> <p>New Sewer Lift Station (Butler Drive & Grambling Street) E-10-1, Waggaman, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$30,000 (fee); ongoing)</p> <p>Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); ongoing)</p> <p>Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)</p>	

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:	
<p>Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, Louisiana</p> <p>MSMM Engineering, LLC 7640 S. Carrollton Ave Ste 220 New Orleans LA 70119</p> <p>Scott G. Chehardy, P.E., 985-233-9763 schehardy@msmmeng.com</p>	<p>Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station. 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.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2024	N/A	\$48,000 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lake Cataouatche Drainage Pump Station Replacement, Avondale, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Engineering 1221 Elmwood Park Blvd Ste 907 Jefferson LA 70123</p> <p>Mitch Theriot, P.E., 504-736-6742 mtheriot@jeffparish.net</p>	<p>Geotechnical engineering services for the construction of a replacement for the Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2019	N/A	\$12,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, Louisiana</p> <p>Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471</p> <p>Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com</p>	<p>Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane in Grand Isle. Gulf South's scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2020	N/A	\$7,500 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, Louisiana</p> <p>Burk-Kleinpeter, Inc. 4176 Canal Street New Orleans LA 70119</p> <p>Henry M. Picard, III, P.E., 504-486-5901 hpicard@bkiusa.com</p>	<p>Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022	N/A	\$7,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, Louisiana</p> <p>ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70001</p> <p>Susina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com</p>	<p>Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022	N/A	\$35,000 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, Louisiana</p> <p>Hatch Mott MacDonald 650 Poydras Street, Suite 2025 New Orleans LA 70130</p> <p>Many Heymann, P.E., 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>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2015	N/A	\$8,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Morton & Ingrid Pump Station Rehabilitation, Jefferson Parish, Louisiana</p> <p>Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471</p> <p>Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com</p>	<p>Geotechnical investigation for below grade pump station replacement. Gulf South drilled 1 boring to 30 feet below the ground surface, provide laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding, and backfill recommendations, estimates of settlement, and general construction recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2012	N/A	\$3,900 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, Louisiana</p> <p>Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471</p> <p>Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com</p>	<p>Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2013	N/A	\$5,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Works Department 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123</p> <p>Reda Youssef, P.E., 504-736-6783 JPPW@jeffparish.net</p>	<p>Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2016	N/A	\$110,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, Louisiana</p> <p>Digital Engineering 527 W Esplanade Ave Ste 200 Kenner LA 70065</p> <p>Frank T. Liang, P.E., 504-468-6129 fliang@deii.net</p>	<p>Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2021	N/A	\$20,000 (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: 5px; 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.



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.

Please refer to our projects noted in our personnel listings in Item K as well as the representative projects shown in Item L for specific project examples and an overview of our surveying experience with Jefferson Parish.

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

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

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

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

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.**

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.

TEC Professional Services Questionnaire

N. continued.

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
- 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.

CRITERIA 2 | SIZE OF FIRM

At 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

Gulf South has the manpower and equipment to expeditiously complete any task order assigned under this contract. The tasks which would be assigned under this contract are the types of projects we perform and complete each day. Gulf South is thoroughly familiar with the specialized and unique CMT needs required for the projects that may be issued under this contract.

The contract and contractual issues will be overseen by Chad M. Poché, P.E. The technical aspects of tasks assigned to the contract will be managed by Eric A. Paille, C.E.T., ACI, with support and oversight as needed from Brandon A. Paille, ACI; James Tiner, ACI; Joseph H. "Trey" Binder, III, ACI; and Gulf South's various department managers, technicians, and administrative support staff.

TEC Professional Services Questionnaire

N. continued.

As a task or project is awarded to the Gulf South Team, a file number is assigned to the project and all pertinent information is gathered (name, location, contacts, etc.). Brandon A. Paille, ACI will manage the project and assign appropriate personnel to accomplish the task. All field tests and reports are reviewed by Mr. Poché/Mr. Beard and Mr. Paille prior to being sent to the client.

Elements of our task work can include:

- meet with client to discuss project parameters and required tests/inspection
- collect any samples for testing for Proctor tests or pre approval to be used
- visit site as needed and requested to perform tests/inspections
- provide daily reports of findings and results

All field tests and reports are reviewed by Mr. Poché/Mr. Beard and Mr. Paille prior to being sent to the client.

All laboratory tests are reviewed by Gulf South's laboratory manager. Daily Field Reports are prepared and distributed by Gulf South's administrative personnel.

The Gulf South Team will provide all services in a safe and timely manner. We will coordinate with the Port's Project Manager(s) on a regular basis to keep them informed and to coordinate our schedule, work, and deliverables. We guarantee that every project or task assigned to this contract will be given high priority, be done efficiently, and completed accurately, on time, and within budget.

CRITERIA 4 | PAST PERFORMANCE

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.

Please refer to our projects noted in our personnel listings in Item K as well as the representative projects shown in Item L for specific project examples and an overview of our specialized experience and service.

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)

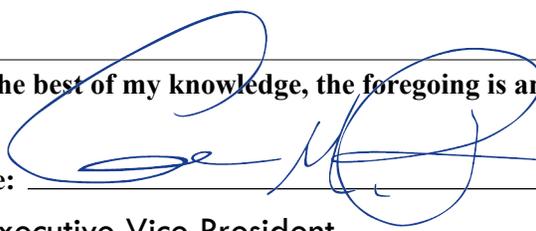
Mark R. Drewes, P.E., Director, Public Works Department, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

Michael B. Cooper, Parish President, St. Tammany Parish
(985-898-2362 | president@stp.gov.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: August 22, 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 μ 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.

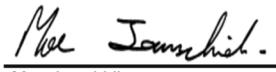
in

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).


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



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Gulf South Engineering and Testing, Inc.

8/15/2023

DATE



SIGNATURE

