

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:

**Meyer Engineers, Ltd.
4937 Hearst Street, Suite 1B
Metairie, LA 70001**



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:

**Donovan P. Duffy, P.E., President (License No. 41844)
4937 Hearst Street, Suite 1B
Metairie, LA 70001
504.885.9892
dduffy@mever-e-l.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.

**David H. Dupre, P.E., Vice President (License No. 23422)
4937 Hearst Street, Suite 1B
Metairie, LA 70001
504.885.9892
ddupre@mever-e-l.com**

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

| | | |
|-----------------------------------|-------------------------------|--------------------------------|
| <u>2</u> Administrative | — Estimators | <u>1</u> Specification Writers |
| <u>5</u> Architects (Licensed) | — Geologists | — Structural Engineers |
| — Chemical Engineers | — Geotechnical Engineers | <u>1</u> Graduate Engineers |
| <u>12</u> Civil Engineers | <u>1</u> Interior Designers | — Project Managers |
| <u>30</u> Construction Inspectors | — Landscape Architects | <u>7</u> Clerical |
| — Ecologists | — Land Surveyor | — Grant/Funding Specialist |
| — Electrical Engineers | <u>1</u> Mechanical Engineers | — Sanitary Engineers |
| <u>1</u> Engineer Intern | — Environmental Engineers | |
| — Professional Land Surveyors | | |
| | | <u>61</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.

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

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

| Name & Address: | Specialty: | Worked with Firm Before (Yes or No): |
|--|--------------------------|---|
| 1. Gulf South Engineering 15 Veterans Memorial Boulevard Kenner, LA 70062 | Geotechnical Engineering | Yes |
| 2. BFM Corporation 15 Veterans Memorial Boulevard Kenner, LA 70062 | Topographic Surveying | Yes |
| 3. | | |
| 4. | | |


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

5

TEC Professional Services Questionnaire

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

| PROFESSIONAL IN CHARGE OF PROJECT | |
|--|--|
| Name & Title: | Jitendra C. Shah, P.E., Vice President |
| Project Assignment: | Project Engineer / Civil Engineer |
| Name of Firm with which associated: | Meyer Engineers, Ltd. |
| Years' Experience with this Firm: | 40 |
| Education: Degree(s)/Year/Specialization: | B.S. Civil Engineering 1973 M.S. Civil Engineering 1975 |
| Active Registration: Year first registered/discipline: | 1981/Civil Engineering/LA License #19551 |



Other experience and qualifications relevant to the proposed project:

Jitendra C. Shah, P.E. has over fifty-one years of Civil Engineering experience and is involved in all aspects of administering engineering projects which include client contact, cost estimates, design, construction administration, contract closeout, and preparation of reports and plans and specifications. He participates in most facets of Civil Engineering Design including ***drainage pump stations***, structural, drainage, sanitary and storm sewerage, water, roads and bridges, water and sewerage treatment plants, green infrastructure, drainage and sewerage pump stations, and airport designs. ***He has completed the design of many drainage pump stations from 40-3,000 CFS, some of which included canal and levee improvements.***

Sylvia Estates Pump Station | St. Bernard Parish
 Project Manager for the Design and Construction Documents for a ***new 500 CFS drainage pump station***. The pump station will include three 54" vertical propeller axial flow pumps with diesel engines. The engines and control system will be housed in a steel building structure which will also include a crane system for removing and servicing the engines. Construction Cost: \$25.5M (EST)

Sharpe Road Pump Station | Jefferson Parish
 Project Manager for the ***drainage pump station*** in Crown Point. The project will provide drainage support for the levees that are being designed in the Crown Point Drainage Basin. The pump station will consist of two 24" pumps with a total capacity of 60 CFS, with 30" discharge pipes over the new T-wall levee. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform. Construction Cost: \$3.6M (EST)

Chaz Pizani Pump Station | Jefferson Parish
 Project Manager for the ***drainage pump station*** in Lafitte. The project will provide drainage support for the proposed T-wall levee and Pallet Drainage Improvements along Privateer Boulevard (LA 3257). The pump station will consist of two 16" pumps with a total capacity of 60 CFS, with 18" discharge pipes over the new T-wall levee supported on pile bents. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform. Construction Cost: \$2.8M (EST)

Glisson Park Pump Station | Jefferson Parish
 Project Manager for the ***drainage pump station*** in Crown Point. The project will provide drainage support for the levees that are being designed in the Crown Point Drainage Basin. The pump station will consist of two 24" pumps with a total capacity of 70 CFS, with 30" discharge pipes over the new T-wall levee. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform. Construction Cost: \$3.6M (EST)

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT | |
|---|--|
| Name & Title: | Donovan P. Duffy, P.E., President |
| Project Assignment: | Principal-in-Charge |
| Name of Firm with which associated: | Meyer Engineers, Ltd. |
| Years' Experience with this Firm: | 8 |
| Education: Degree(s)/Year/Specialization: | B.S. Civil Engineering 2013 |
| Active Registration: Year first registered/discipline: | 2017/Civil Engineering/LA License #41844 |
| Other experience and qualifications relevant to the proposed project: | |
| <p>Donovan Duffy, P.E. has over twelve years of experience in Civil and Structural Engineering and Construction Management. He has extensive experience leading design and construction administration operations within a diverse range of industries and government entities. He specializes in storm water management and drainage design, including hydraulic impact analysis. He is also involved in many fields of civil engineering design including roads, drainage, sanitary sewer: collection, lift stations, force mains, and treatment systems, water treatment and distribution networks, environmental and recreation. His experience in construction administration includes coordination with contractors and clients; organization, oversight and record-keeping of pre-construction and construction progress meetings; shop drawing review; evaluation of change orders and pay requests; and various other construction coordination responsibilities.</p> <p><u>Dellwood and Lee Street Drainage Pump Station Improvements St. Tammany Parish</u> Project Engineer for the <i>drainage pump station modifications</i> to the Dellwood and Lee Street drainage pump stations to remove the existing static bar screens and installing a new mechanical bar screen and rake system. The project will remove the reliability of the pump station during storm events. All electrical components, new and proposed, had to be elevated above the Base Flood Elevation, which is approximately 7-9' above existing grade. <i>The project was part of the statewide watershed initiative Phase 1, therefore Meyer provided design and all environmental permitting on the project, meeting CDBG/OC requirements.</i></p> <p><u>Reserve Relief Canal Pump Station St. John the Baptist Parish</u> Project Principal for the design, bidding, and construction administration for the construction of a <i>new 400 CFS drainage pump station</i>. The work consists of the jack and bore of drainage crossings and two railroad crossings to increase drainage conveyance to the pump station; removing existing hydraflo pumps, diesel engines and demolishing the pump station; construction of a new drainage pump station with 400 CFS capacity; discharge basin construction; 2,000 KW generator with switch gear, geo storage tank and other electrical work; coordination of a hoist or crane system; miscellaneous drainage and site grading; water and sewer house connections; and lighting for the pump station. Construction Cost: \$12.7M (EST)</p> <p><u>Montz Master Drainage Plan St. Charles Parish</u> Project Engineer who completed the <i>Drainage Master Plan</i>. The study limits are from LA 3217 in Laplace to the spillway levee in St. Charles Parish. The scope includes performing a <i>hydraulic impact study</i> for both existing and proposed conditions. This study includes work along Airline Highway and takes the future West Shore Levee Project into consideration.</p> <p><u>St. Bernard Master Drainage Plan St. Bernard Parish</u> Assisted with preparing the <i>Drainage Master Plan</i>. During the first phase maps were being prepared to identify flood prone areas, repetitive loss areas, and areas which have flooded in the past. The second phase of the project included hydraulic modeling, and impact hydraulic analysis for all major canals. During the third phase of the project, a preliminary probable construction cost, prioritized list of recommended projects and a final report were prepared.</p> | |



TEC Professional Services Questionnaire


| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT | |
|---|--|
| Name & Title: | Richard C. Meyer, P.E. |
| Project Assignment: | Principal/Civil Engineer |
| Name of Firm with which associated: | Meyer Engineers, Ltd. |
| Years' Experience with this Firm: | 43 |
| Education: Degree(s)/Year/Specialization: | B.S. Civil Engineering 1980 |
| Active Registration: Year first registered/discipline: | 1988 /Civil Engineering/LA License #24012 |
| <div style="text-align: right; width: 150px;">  </div> | |
| Other experience and qualifications relevant to the proposed project: | |
| <p>Richard C. Meyer has provided professional consultant services to the New Orleans area for over forty-three years. His experience includes overseeing architectural/engineering design, construction management and QA/QC contracts with various agencies at the Federal, State, and local levels in the Greater New Orleans Metropolitan area. He is involved with all aspects of administering architectural/engineering projects including client contact, cost estimates, design, contract administration, and contract closeout. He coordinates the architectural/engineering staff and has participated in most of Civil Engineering design including structural, sanitary and storm sewerage, roads and bridges, water and airport designs.</p> <p><u>Sharp Road Pump Station Jefferson Parish</u> Project Principal for the design of the <i>drainage pump station</i> in Crown Point. The project will provide drainage support for the levees that are being designed in the Crown Point Drainage basin. The pump station consists of two 24" pumps with a total capacity of 60 CFS, with 30" discharge pipes over the new T-wall levee. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform. Construction Cost: \$3.6M (EST)</p> <p><u>Whitney-Barataria Pump Station Jefferson Parish</u> Principal-in-Charge for the <i>\$21.5M drainage improvement project</i> on the West Bank of Jefferson Parish. Meyer designed and managed construction of the <i>new 3,000 CFS drainage pump station</i>, flood control structures, pre-stressed and post-tensioned concrete structures, bulkheads, dolphins, fenders, guide walls, jetties, highway work/roads, culverts and bridges, and associated buildings. The pump station consisted of three 11-foot diameter 1,000 CFS pumps, three 16-cylinder EMD diesel engines, an air suppression system, emergency generators, switchgears, gear reducers, overhead cranes, trash rakes, and operator's office. The project also included an intake canal consisting of steel sheet pile wall with a concrete cap and a pile supported concrete deadman, a concrete discharge basin, riprap revetment, concrete I-walls, dolphins, dredging, and modifications to an existing earthen levee at the Intracoastal Waterway.</p> <p><u>Sylvia Estates Drainage Pump Station St. Bernard Parish</u> Project Principal for the design and construction documents for a <i>new 500 CFS drainage pump station</i>. The pump station will include three 54" vertical propeller axial flow pumps with diesel engines. The engines and engine control systems will be housed in a steel building structure which will also use a crane system for removing and servicing the engines. Construction Cost: \$25.5M (EST)</p> <p><u>Harahan Master Drainage Study Jefferson Parish</u> Principal-in-Charge for preparing a <i>Master Drainage Plan</i> for the City of Harahan to create a Stormwater Management Program.</p> <p><u>Elmwood Business Park Drainage Study Jefferson Parish</u> Principal-in-Charge for the <i>Drainage Study</i> of the Elmwood Business Park area, which was bounded by Citrus Boulevard, G Street, Sams Avenue, and Edwards Avenue. The business park area studied was predominantly commercial establishments consisting of approximately 190 acres. The drainage analysis entailed applying the Rational Method for a 10-year storm event. At the time of the drainage analysis, the Mounes Street Extension was under construction from Edwards Avenue to Dickory Avenue. Drainage system upgrades were recommended for each street. If all streets within the study area have internal drainage improved, the estimated construction cost was estimated to be approximately \$10.2 Million.</p> <p><u>Soniat Canal/Earhart (Cross Canal) Physical Hydraulic Modeling Study, Jefferson Parish</u> Principal-in-Charge for preparing the Hydraulic Modeling & Report to summarize the losses within the intersection of Soniat Canal and Earhart (Cross Canal) and make recommendations for improvements.</p> | |

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| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT | |
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| Name & Title: | Eric Colwart, P.E., Civil Engineer |
| Project Assignment: | Civil Engineer |
| Name of Firm with which associated: | Meyer Engineers, Ltd. |
| Years' Experience with this Firm: | 18 |
| Education: Degree(s)/Year/Specialization: | B.S. Civil Engineering 2005 |
| Active Registration: Year first registered/discipline: | 2011/Civil Engineering/LA License #36290 |
| Other experience and qualifications relevant to the proposed project: | |
| <p>Eric Colwart, P.E. has over eighteen years of experience in Civil and Structural Engineering including client contact, cost estimates, design, construction administration, and preparation of reports, plans, and specifications. He specializes in structural engineering and city infrastructure projects. Structural engineering projects include analysis of existing structures and foundations, as well as design of concrete foundations and steel framing for new buildings and structures. City infrastructure projects include performing hydraulic analysis and geometric design for roadway and drainage projects. He has designed projects in accordance with DOTD's "Roadway Design Manual", "Hydraulics Manual", "Bridge Manual", AASHTO's "Green Book", the "Louisiana Standard Specifications for Roads and Bridges", "American Concrete Institute Standards" and the "AISC Manual of Steel Construction". His professional memberships include ASCE and SEI.</p> <p><u>Sylvia Estates Pump Station St. Bernard Parish</u> Project Engineer for the Design and Construction Documents for a <i>new 500 CFS drainage pump station</i>. The pump station will include three 54" vertical propeller axial flow pumps with diesel engines. The engines and control system will be housed in a steel building structure which will also include a crane system for removing and servicing the engines. Construction Cost: \$25.5M (EST)</p> <p><u>Sharpe Road Pump Station Jefferson Parish</u> Project Engineer for the <i>drainage pump station</i> in Crown Point. The project will provide drainage support for the levees that are being designed in the Crown Point Drainage Basin. The pump station will consist of two 24" pumps with a total capacity of 60 CFS, with 30" discharge pipes over the new T-wall levee. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform. Construction Cost: \$3.6M (EST)</p> <p><u>Chaz Pizani Pump Station Jefferson Parish</u> Project Engineer for the <i>drainage pump station</i> in Lafitte. The project will provide drainage support for the proposed T-wall levee and Paillet Drainage Improvements along Privateer Boulevard (LA 3257). The pump station will consist of two 16" pumps with a total capacity of 60 CFS, with 18" discharge pipes over the new T-wall levee supported on pile bents. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform. Construction Cost: \$2.8M (EST)</p> <p><u>Glisson Park Pump Station Jefferson Parish</u> Project Engineer for the <i>drainage pump station</i> in Crown Point. The project will provide drainage support for the levees that are being designed in the Crown Point Drainage Basin. The pump station will consist of two 24" pumps with a total capacity of 70 CFS, with 30" discharge pipes over the new T-wall levee. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform. Construction Cost: \$3.6M (EST)</p> | |



TEC Professional Services Questionnaire


| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT | |
|--|---|
| Name & Title: | David H. Dupré, P.E., Vice President |
| Project Assignment: | Civil Engineer |
| Name of Firm with which associated: | Meyer Engineers, Ltd. |
| Years' Experience with this Firm: | 36 |
| Education: Degree(s)/Year/Specialization: | B.S. Civil Engineering 1984 |
| Active Registration: Year first registered/discipline: | 1989/Civil Engineering/LA License #23422 |
|  | |
| Other experience and qualifications relevant to the proposed project: | |
| <p>David H. Dupré, P.E., has over thirty-nine years of experience in Civil and Structural Engineering, Project Management and Construction Management. He is involved with all aspects of administering engineering projects which include client contact, cost estimates, design plans and specification, construction administration, and preparation of reports. He participates in most facets of Civil Engineering design including recreational facilities, roads, bridges, <i>drainage</i>, sanitary sewer, water, and environmental. He specializes in Project Management and Infrastructure Design. Mr. Dupre is the Treasurer/Secretary on the State Board American Council of Engineering Consultants (ACEC). He was also the former New Orleans Chapter President. In 2016, Mr. Dupre was honored in receiving the Outstanding Civil Engineer award from the New Orleans Branch of the ACEC. He is also a member of SAME, ASCE, APWA, CMAA, and LES.</p> <p><u>Hackberry Pump Station St. Charles Parish</u> Project Manager for the design of <i>replacing the existing 15 CFS drainage pump station with a 30 CFS drainage pump station</i>. The work was in accordance with the 1995 Master Drainage Plan. The drainage pump station included dual 15 CFS vertical, single sheet, axial flow propeller pumps. Included were direct drive, 50 HP electrical motors with a backup generator. Also included was a cofferdam, bar screen with automatic rakes, hoist, and a 35' high pump station. The project also included a 48" RCPA, a large intake grating structure, utility offsets, and pavement repairs.</p> <p><u>Whitney Barataria Pump Station Jefferson Parish</u> Project Engineer for the <i>\$21.5M drainage improvement project</i> on the West Bank of Jefferson Parish under the Southeast Louisiana (SELA) Flood Control Program, including structural, civil, hydraulic, geotechnical, mechanical, electrical, environmental, and value engineering design; architecture; quality assurance; and construction management. Meyer designed and managed the construction of the <i>new 3,000 CFS drainage pump station</i>, flood control structures, pre-stressed and post-tensioned concrete structures, bulkheads, dolphins, fenders, guide walls, jetties, highway work/roads, culverts and bridges, and associated buildings. Meyer provided site layout, real estate right-of-way, architectural treatments, soil boring and tests, pile capacity curves, soil pressure assessments, seepage and dewatering analysis, stability analysis, surveys, and aerial photographic coverage. Meyer managed and performed design, construction management, QA inspection, and technical support during construction for the drainage pump station.</p> <p><u>Crown Point Drainage Improvements Jefferson Parish</u> Project Engineer for <i>two drainage improvement projects and two drainage pump stations</i> in Crown Point. The project will provide drainage support for the levees that are being designed in the Crown Point Drainage Basin. Drainage trunk lines vary in size from 24" RCPA to 60" RCPA. A 6' x 4' box culvert is designed to cross under LA 560. Flap gates on drain lines, road repair, and water line offsets are included. The project will also include <i>two drainage pumps stations that will convey 60 CFS and 70 CFS</i> respectively. Construction Cost: \$12.3M (EST)</p> | |

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| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT | |
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| Name & Title: | Mark A. Schutt, P.E., Project Engineer |
| Project Assignment: | Civil Engineer |
| Name of Firm with which associated: | Meyer Engineers, Ltd. |
| Years Experience with this Firm: | 25 |
| Education: Degree(s)/Year/Specialization: | B.S. Civil Engineering 1997 M.S. Civil Engineering 1999 |
| Active Registration: Year first registered/discipline: | 2003/Civil Engineering/LA License #30528 |
| Other experience and qualifications relevant to the proposed project: | |
| <p>Mark A. Schutt, P.E. has over twenty-seven years of experience in Civil Engineering and Structural Engineering, and Project Management. He is involved with many aspects of administering engineering projects which include client contact, cost estimates, design plans and specifications, construction administration, and preparation of reports. He participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, environmental, and structural. He has specialized experience in designing a variety of recreation projects to include boat launches, fishing piers, and bike paths, and has worked on several drainage and wastewater projects in the region. His professional memberships include ASCE, APWA, LES, and NSPE.</p> <p><u>Hackberry Pump Station St. Charles Parish</u> Project Engineer for the design of replacing the existing 15 CFS drainage pump station with a 30 CFS drainage pump station. The work was in accordance with the 1995 Master Drainage Plan. The drainage pump station included dual 15 CFS vertical, single sheet, axial flow propeller pumps. Included were direct drive, 50 HP electrical motors with a backup generator. Also included was a cofferdam, bar screen with automatic rakes, hoist, and a 35' high pump station. The project also included a 48" RCPA, a large intake grating structure, utility offsets, and pavement repairs.</p> <p><u>Whitney Barataria Pump Station Jefferson Parish</u> Assisted with the design for the \$21.5M drainage improvement project on the West Bank of Jefferson Parish under the Southeast Louisiana (SELA) Flood Control Program, including structural, civil, hydraulic, geotechnical, mechanical, electrical, environmental, and value engineering design; architecture; quality assurance; and construction management. Meyer designed and managed the construction of the new 3,000 CFS drainage pump station, flood control structures, pre-stressed and post-tensioned concrete structures, bulkheads, dolphins, fenders, guide walls, jetties, highway work/roads, culverts and bridges, and associated buildings. Meyer provided site layout, real estate right-of-way, architectural treatments, soil boring and tests, pile capacity curves, soil pressure assessments, seepage and dewatering analysis, stability analysis, surveys, and aerial photographic coverage. Meyer managed and performed design, construction management, QA inspection, and technical support during construction for the drainage pump station.</p> <p><u>Lafitte Drainage Pump Station Jefferson Parish</u> Assisted with the design of the Lafitte Drainage Pump Station. The project consisted of the construction of a 12 CFS pump station in Rosethorne Park. The pump station consisted of two single stage 6 CFS vertical shaft propeller pumps placed in single caisson. An intake canal was constructed to bring storm water to the pump station. 14" diameter pipes were routed above the levee crown to the discharge basin. An 80 KVA generator was installed for backup power. An access road from Highway 45 to the pump station was also constructed.</p> | |



TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT | |
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| Name & Title: | Matthew J. Falati, P.E., Project Engineer |
| Project Assignment: | Civil Engineer |
| Name of Firm with which associated: | Meyer Engineers, Ltd. |
| Years Experience with this Firm: | 21 |
| Education: Degree(s)/Year/Specialization: | B.S. Civil Engineering 1998 |
| Active Registration: Year first registered/discipline: | 2005/Civil Engineering/LA License #31848 |
|  | |
| Other experience and qualifications relevant to the proposed project: | |
| <p>Matthew J. Falati has over twenty-three years of experience in Civil and Structural Engineering, Project Management and Construction Management. He has extensive experience leading design and construction administration operations within a diverse range of industries and government entities. He possesses in-depth experience with government and private contracts, proposal development, development of scope of work, opinion of costs, preparation of reports, and plans and specifications for purposes of competitive bidding and negotiations. As a results-oriented professional, he is recognized for taking on major initiatives, adapting to rapidly changing environments and resolving mission critical issues to ensure bottom line success. He is a Board Member and Past President of APWA. His other professional memberships include LES, ASCE, and NSPE. <i>Mr. Falati served as Director of Public Works for St. Bernard Parish for four years from 2018-2022.</i></p> <p><u>18th Street / Edenborn Avenue Drainage Improvements Jefferson Parish</u> Project Engineer for the design, construction administration, and inspection for <i>drainage improvements</i> and beautification on 18th Street and Edenborn Avenue. The project consisted of diverting/splitting storm water from the Veterans Boulevard Canal No. 3 to W. Esplanade Canal No. 2. Approximately 1,300' of subsurface drainage was installed along 18th Street and in a future phase approximately 2,200' of subsurface drainage along Edenborn Avenue was upgraded. In addition to the storm water improvements, the existing 18th Street concrete roadway was completely replaced along with decorative stamp colored concrete sidewalks for pedestrian use. Phase 2 of the project included 72-inch and 84-inch reinforced concrete arch pipes to be installed along Edenborn Avenue toward the W. Esplanade Canal No. 2 to relieve the severely undersized outfall pipes presently utilized to drain the 18th Street corridor. Also utilized as an enhanced environmentally friendly construction procedure is pervious concrete sidewalk to manage runoff. Part of the design consisted of replacement of the water and sewer lines while maintaining service of the existing utilities. Overhead telephone and cable lines were buried under ground and new taller steel poles were erected for the overhead electrical power lines. Pedestrian lights were constructed. Construction Cost: \$7M (Both Phases)</p> <p><u>Pontchartrain Gardens Drainage Jefferson Parish</u> Project Engineer for the design, preparation of plans and specifications for the Pontchartrain Gardens Drainage Improvements. The intent of this project is to <i>upgrade the subsurface drainage system</i> on Lemon and Lime Streets as they are bounded by West Esplanade to the north and Veterans Boulevard to the south. The project included installation of a large subsurface storm water drainage pipe that discharges into the West Esplanade Canal No. 2 and Veterans Boulevard Canal No. 3. Tasks Mr. Falati completed included a hydraulic study of the area, design of the storm water drainage system, and preparation of construction documents to be advertised and bid through Jefferson Parish. Meyer completed construction administration and inspection. Mr. Falati coordinated work with Jefferson Parish Drainage, Water, Sewerage and Engineering Departments.</p> | |

TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT | |
|---|--|
| Name & Title: | Marshal Hayden, P.E., Civil Engineer |
| Project Assignment: | Hydraulic & Hydrologic Engineer |
| Name of Firm with which associated: | Thompson Engineering, Inc. |
| Years' Experience with this Firm: | 1 |
| Education: Degree(s)/Year/Specialization: | B.S. Civil Engineering 2016 M.S. Civil Engineering 2018 |
| Active Registration: Year first registered/discipline: | 2018/Civil Engineering/AL License #39033 |
| Other experience and qualifications relevant to the proposed project: | |
| <p>Marshall Hayden serves as the Hydraulic and Hydrologic Engineering Group Leader in Thompson Engineering's Mobile Office. His primary responsibilities include hydraulic and hydrologic (H&H) analysis and design to support studies as well as design and preparation of construction specifications and plans for flood risk management, ecosystem restoration, coastal, transportation, civil, and structural engineering related projects. Mr. Hayden is proficient in the use of H&H and coastal modeling and design software including HEC-RAS, HEC-HMS, HEC-SSP, HEC-FDA, HEC-DSS, ArcGIS, RMC-RFA, ADCIRC/STWAVE, FlowMaster, PondPack, StormCAD, WaterGEMS and Microstation.</p> <p><u>Forest Heights Levee Design Project, Gulfport, MS U.S. Army Corps of Engineers, Lead Hydraulic/Hydrologic Engineer</u> Project to rehabilitate existing National Resource Conservation Service ring levee surrounding historically significant Forest Heights community in Gulfport, MS. The project included raising approximately 6,800 ft of levee, clearing and snagging of adjacent stream, and design of interior drainage infrastructure. Project responsibilities as the Lead Hydraulic/Hydrologic Engineer included design and evaluation of crest elevation; evaluation of external floodplain impacts; design of interior drainage infrastructure including culverts, pumps, swales, and detention ponds; development of supporting hydraulic and hydrologic models; completion of levee breach and consequences modeling, participation in the project risk assessment to assess potential failure modes, and interagency coordination for National Flood Insurance Program accreditation.</p> <p><u>Base Flood Elevation and Sedimentation Study, Callao Naval Base, Callao, Peru U.S. Army Corps of Engineers, Lead Hydraulic/Hydrologic Engineer</u> Project established base flood elevations (BFEs) for planned infrastructure in the expansion of Callao Naval Base, a Marina de Guerra del Perú installation, under a Foreign Military Sales contract. As the Lead Hydraulic/Hydrologic Engineer, the hydrology and sedimentation potential of the Rimac River Basin were assessed to inform hydraulic modeling of the river and Callao Naval Base. Hydraulic model simulations of baseline flood risk, expected sedimentation, levee breaching, and alternate project conditions were completed to inform BFEs. Design Flood Elevations were developed from final BFEs in consideration of floodplain regulations and mapped for proposed infrastructure. Study results and recommendations were communicated with the Peruvian Navy for design contract implementation.</p> <p><u>Panama Canal Authority, Integrated Water Resource Management Study, Panama City, Panama U.S. Army Corps of Engineers, Lead Geospatial Engineer</u> Integrated water resource study to assess water supply and loss mitigation alternatives for the Panama Canal. Served as Geospatial Data Lead responsible for processing, management, and dissemination of all study spatial data for an integrated team of 50+ personnel including subject matter expert engineers and leadership across USACE and the Panama Canal Authority. Additionally, served as an H&H Team Member responsible for reservoir sedimentation and storage capacity analyses, water supply measure development and design, and hydrologic data analysis.</p> <p><u>RM Clayton Water Reclamation Center Levee Improvements, Atlanta, GA U.S. Army Corps of Engineers, Lead Hydraulic/Hydrologic Engineer</u> Improvement project to remediate levee segments along Chattahoochee River and Whetstone Creek which protect the RM Clayton Water Reclamation Center from flood hazards. Project design was executed through an A-E Design-Build Contract. Served as Lead H&H Engineer to complete up-front H&H analysis for RFP development. Tasks included establishment of crest elevation, assessment of project risk and consequences, and development of hydrologic loading curves. Co-led Risk Assessment which included evaluation of potential failure modes and consequences at the 35% design milestone.</p> | |



TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT | |
|---|---|
| Name & Title: | Randy Oustalet, Construction Inspector |
| Project Assignment: | Construction Manager |
| Name of Firm with which associated: | Meyer Engineers, Ltd. |
| Years' Experience with this Firm: | 27 |
| Education: Degree(s)/Year/Specialization: | B.S. Civil Engineering 1985 |
| Active Registration: Year first registered/discipline: | 2011/Civil Engineering/LA License #37680 |
|  | |
| Other experience and qualifications relevant to the proposed project: | |
| <p>Randy Oustalet has thirty-five years of experience working as a Project Manager and Construction Manager for Architectural and Engineering projects. He has worked on site at the USACE New Orleans District's Leake Avenue in the Construction Division, Contract Administration, Structures Branch, for USACE Emergency Procurement Construction Management and Related Services Contract. He prepared project estimates of ongoing projects, independent estimates of potential modifications excess of \$1M on existing contracts, implemented modifications to existing contracts using RMS, and negotiated with contractors on behalf of USACE. He has construction management experience in marine structures such as dolphins, jetties, guide walls, fenders, and bulkheads and has received OSHA 30 Certification. Subsequent to the above he has also obtained experience in Construction Management for USACE projects involving <i>construction of Pump Stations</i> in addition to LADOTD projects. He also has experience on multiple CMAR projects. While managing the West Closure Project, he <i>managed construction of Pump Stations</i> including implementation of dewatering and unwatering processes, braced excavation, pump model testing, monitoring of pile driving, both on shore and on marine barges and other geotechnical related topics. All aspects noted above were related to the USACE Hurricane Storm Damage Risk Reduction System implemented after Hurricane Katrina through Orleans, Jefferson, and Plaquemines Parishes.</p> | |
| <p><u>USACE Construction Management Services (2021-2026) Lafayette, East Baton Rouge, Jefferson, Orleans, Plaquemines & St. Bernard Parishes</u></p> <p>Construction Manager for USACE flood protection and dredging projects in the Greater New Orleans Area. The work includes drainage improvements under the SELA Program. Project types include earthen levees, concrete I-walls, concrete T-walls, steel sheet piling, dredging, flood gates, drainage pump stations, revetments, jetties, stone repair, relief wells, drainage canals, concrete flumes, and articulated concrete mattresses. He is currently managing all Project Engineers, Safety Coordinators, QA/QC/RPR in multiple parishes and coordinating daily with USACE Representatives.</p> | |
| <p><u>USACE Construction Management Contract Jefferson Parish</u></p> <p>GS-12 Equivalent Team Leader/Project Manager on the Gulf Intracoastal Waterway West Closure Complex (GIWW WCC). The project included a <i>\$1B drainage pump station and gate closure complex</i>. His duties included oversight of 15 quality assurance representatives and two project engineers primarily responsible for proper implementation of contractor's approved quality control plan, schedule and pay items. He was the primary representative on behalf of the USACE Construction Division working in conjunction with the Engineering Division for issuing contract modifications and various work packages through the Early Contractor Involvement Process (CMAR). He coordinated quality assurance testing for interior improvements including office and living quarters for the facility, and collaborated with clients, contractors, and engineers. The project consisted of sector gates, <i>pump stations</i>, cranes, levees, dolphins, and living quarters which were all under Mr. Oustalet's purview. The unique features of the project while not only contributing to Hurricane Storm Damage Risk Reduction in Jefferson Parish but building a pump station that serviced Jefferson and Orleans Parishes as well in the event of future storm surges. <i>The Gulf Intracoastal Waterway West Closure Complex was the largest of its kind built.</i></p> | |
| <p><u>Whitney Barataria Pump Station Jefferson Parish</u></p> <p>Construction Manager for the <i>\$21.5M drainage improvement project</i> on the West Bank of Jefferson Parish under the Southeast Louisiana (SELA) Flood Control Program, including structural, civil, hydraulic, geotechnical, mechanical, electrical, environmental, and value engineering design; architecture; quality assurance; and construction management. Meyer designed and managed the construction of the <i>new 3,000 CFS drainage pump station</i>, flood control structures, pre-stressed and post-tensioned concrete structures, bulkheads, dolphins, fenders, guide walls, jetties, highway work/roads, culverts and bridges, and associated buildings. Meyer provided site layout, real estate right-of-way, architectural treatments, soil boring and tests, pile capacity curves, soil pressure assessments, seepage and dewatering analysis, stability analysis, surveys, and aerial photographic coverage. Meyer managed and performed design, construction management, QA inspection, and technical support during construction for the drainage pump station.</p> | |

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

Design, Bidding and Construction Administration

Reserve Relief Canal Pump Station

St. John the Baptist,
Louisiana



St. John the Baptist Parish
1811 W. Airline Highway
Laplace, LA 70068
Mr. Peter Montz, CAO
985.652.9569

Email: p.montz@stjohn-la.gov

KEY PERSONNEL

Donovan P. Duffy, P.E.
Jitendra C. Shah, P.E.
Eric Colwart, P.E.

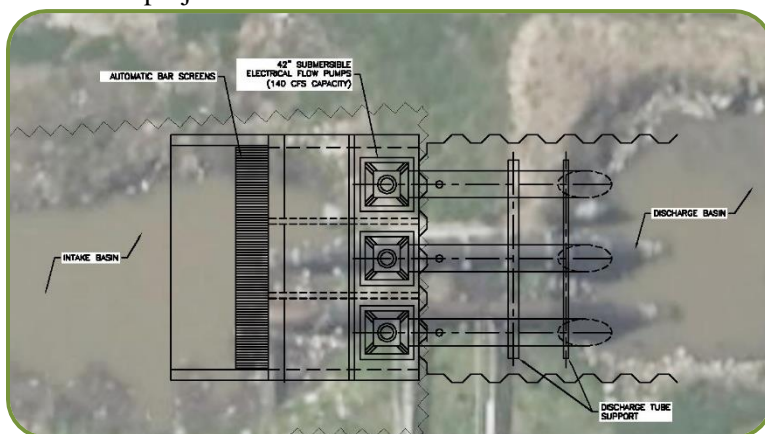
HIGHLIGHTS

-  Drainage Pump Station
-  Generator

The Reserve Relief Canal Pump Station project in St. John the Baptist Parish is part of the Louisiana Watershed Initiative (LWI) program to reduce flood risk. Meyer Engineers, Ltd. (Meyer) is responsible for the Design, Bidding, and Construction Administration for the **new 400 CFS drainage pump station** in addition to drainage improvements in the watershed to increase flow to the new station and maximize flood reduction benefits. In addition, Meyer prepared a Hydraulics and Hydrology report modeling the improvements and benefits per LWI requirements and is assisting the Parish in the LWI application process.

The new 400 CFS drainage pump station will include three (3) 42" vertical submersible electric pumps, with 48" discharge pipes, and automatic trash screens on a concrete, pile supported structure which will also include a bridge deck for maintenance access to the pumps and screens. The pumps will be controlled by variable frequency drive (VFD) motor controls which will be housed in a new metal building adjacent to the pump station. A new intake basin will be constructed by enlarging the canal area in front of the pump station and installing steel sheet pile with a concrete bottom slab.

In addition to the new pump station, several drainage improvements will be designed to increase storm water conveyance to the station. These drainage improvements include widening existing canals and ditches, upgrading drain line crossings at Airline Highway and two railroads, and upgrading side drains on neighborhood streets and along Airline to increase flow to the canals and crossings. Meyer will coordinate with LADOTD for permitting on the Airline Highway crossing, and with KCS and CN on the railroad crossings which will be design as jack and bore per railroad requirements. Meyer will also work with the Parish to prioritize these improvements within their budget to maximize the flood reduction benefits of the project.



Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

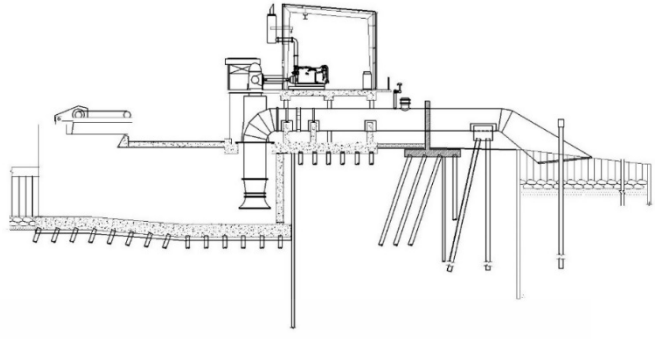
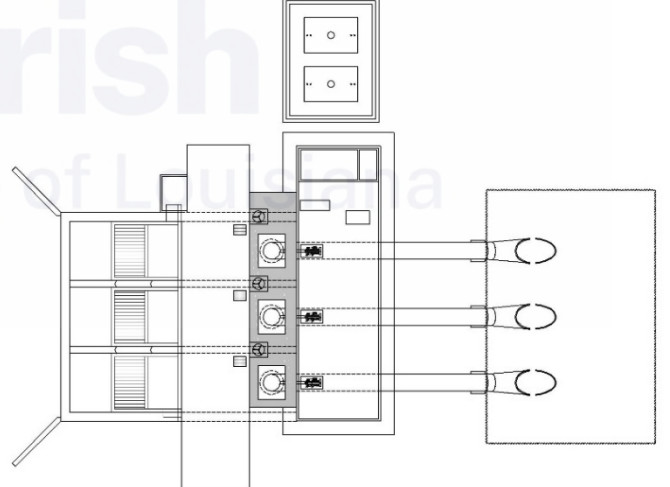
On-Going

\$12,700,000 (EST)

100%

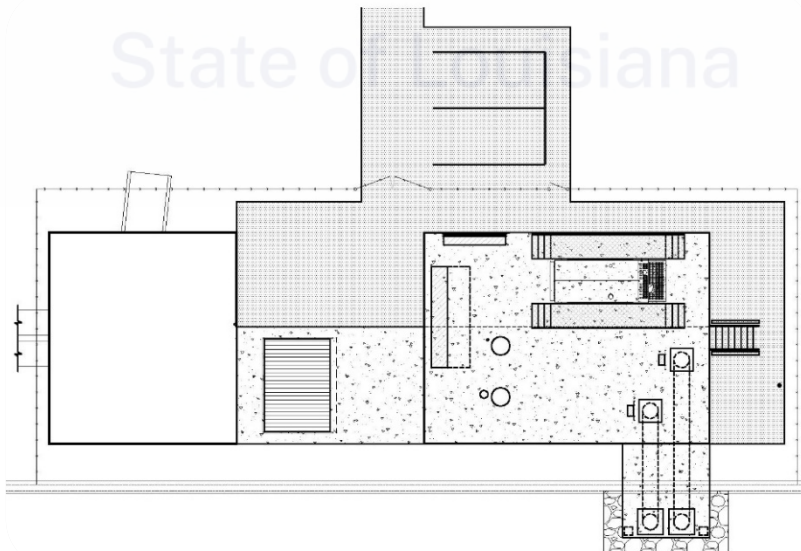
TEC Professional Services Questionnaire

PROJECT NO. 2

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|--|--|---|
| <p><i>Sylvia Estates Pump Station</i> St. Bernard Parish, Louisiana</p> <p>St. Bernard Parish Department of Public Works 1125 E. St. Bernard Highway Chalmette, LA 70043 Mr. Hillary Nunez 504.278.4314 Email: HNunez@sbpg.net</p> <p>KEY PERSONNEL</p> <p>Donovan Duffy, P.E. Jitendra C. Shah, P.E. Eric Colwart, P.E.</p> <p>HIGHLIGHTS</p> <ul style="list-style-type: none"> Drainage Pump Station Bridge Access Road | <p><i>Design, Bidding & Construction Administration</i></p> <p><i>Meyer Engineers, Ltd. (Meyer)</i> is currently preparing the Design and Construction Documents for a new 500 CFS drainage pump station in St. Bernard Parish. The pump station will include three 54" vertical propeller axial flow pumps with diesel engines. The engines and electrical control systems will be housed in a steel building structure which will also include a crane system for removing and servicing the engines.</p> <p>A 60' x 80' intake basin will be constructed along the 40 Arpent Canal and a 50'x75' discharge basin will be constructed in the marsh area on the opposite side of the levee system. Both basins will utilize a steel sheet pile wall system, and the discharge basing will include a concrete bottom slab.</p> <p>The project will also include the construction of a concrete bridge over the 40 Arpent Canal and a limestone road for accessing the new pump station.</p> <div style="text-align: right;">  </div> <div style="text-align: right;">  </div> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| On-Going | \$25.5M (EST) | 100% |

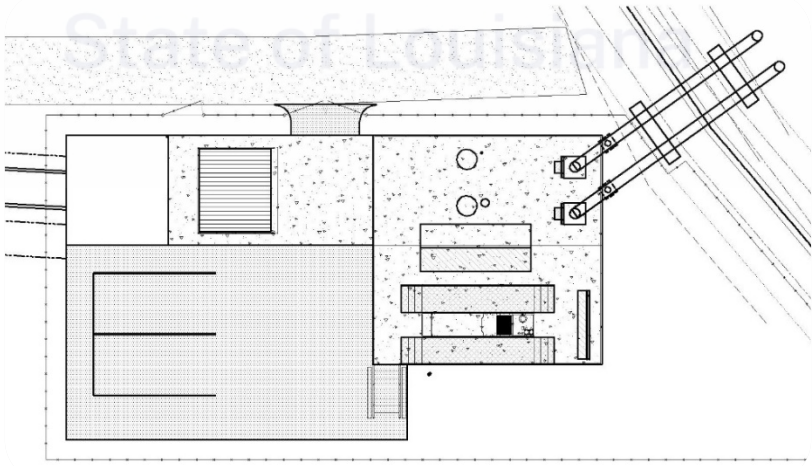
TEC Professional Services Questionnaire

PROJECT NO. 3

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|---|--|--------------------------------------|
| <p style="text-align: center;">Sharp Road Pump Station</p> <p>Jefferson Parish, Louisiana</p> <p>Lafitte Area Independent Levee District 4917 City Park Drive Lafitte, LA 70067 Mayor Timothy P. Kerner, Jr. 504.689.2208 Email: timkerner@townofjeanlafitte.com</p> <p style="text-align: center;">KEY PERSONNEL</p> <p>Donovan Duffy, P.E. David H. Dupre, P.E. Jitendra C. Shah, P.E. Eric Colwart, P.E.</p> <p style="text-align: center;">HIGHLIGHTS</p> <ul style="list-style-type: none"> Drainage Pump Station Coordination with the Lafitte Levee District | <p>Design & Construction Administration</p> <p><i>Meyer Engineers, Ltd. (Meyer)</i> is completing the design and will perform construction administration on Sharpe Road drainage pump station in Crown Point. This project will provide drainage support for the levees that are being designed in the Crown Point drainage basin (which Meyer is also designing).</p> <p>The pump station will consist of two 24" pumps with a total capacity of 60 CFS, with 30" discharge pipes over the new T-wall levee. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform.</p> <p>The project includes coordination with the Lafitte Levee District, LADOTD, Jefferson Parish, and CPRA. Meyer managed the following subconsultants: surveyors, geotechnical, environmental, and electrical engineers.</p> <p>Challenges encountered on the project were determining the pump station capacity in conjunction with the overall Crown Point drainage basin design and coordinating this project with the drainage basin design as well as the T-wall design. Coordination was also required with the Jefferson Parish Drainage Department to meet their requirements and specifications for pump station operations during storm events.</p> <div style="text-align: center;">  </div> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| On-Going | Entire Project: | Work for which Firm was Responsible: |
| | \$3.6M (EST) | 100% |

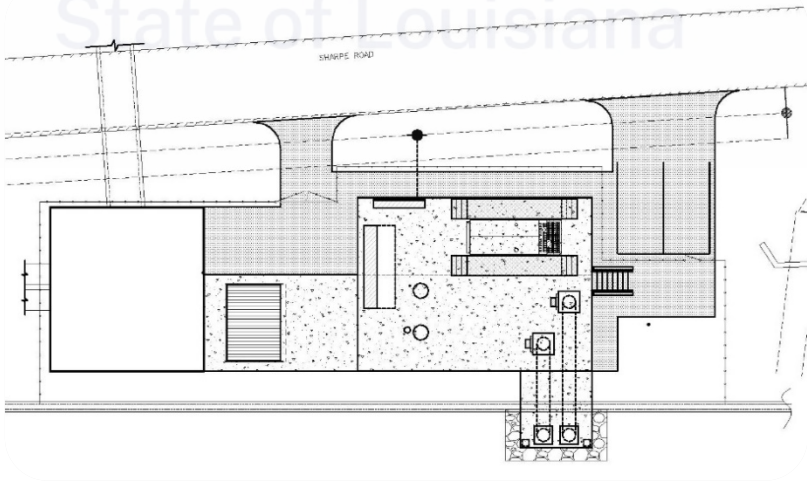
TEC Professional Services Questionnaire

PROJECT NO. 4

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|--|---|--------------------------------------|
| <p style="text-align: center;">Chaz Pizani Pump Station</p> <p style="text-align: center;">Jefferson Parish, Louisiana</p> <p>Lafitte Area Independent Levee District 4917 City Park Drive Lafitte, LA 70067 Mayor Timothy P. Kerner, Jr. 504.689.2208 Email: timkerner@townofjeanlafitte.com</p> <p style="text-align: center;">KEY PERSONNEL</p> <p>Donovan Duffy, P.E. David H. Dupre, P.E. Jitendra C. Shah, P.E. Eric Colwart, P.E.</p> <p style="text-align: center;">HIGHLIGHTS</p> <ul style="list-style-type: none"> Drainage Pump Station Coordination with the Lafitte Levee District | <i>Design & Construction Administration</i> | |
| | <p><i>Meyer Engineers, Ltd. (Meyer)</i> is completing the design and will perform construction administration on Chaz Pizani drainage pump station in Laffite. This project will provide drainage support for the proposed T-wall levee and Paillet Drainage Improvements along Privateer Blvd. (LA 3257) (which Meyer is also designing).</p> <p>The pump station will consist of two 16" pumps with a total capacity of 60 CFS, with 18" discharge pipes over the new T-wall levee supported on pile bents. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform.</p> <p>The project includes coordination with the Lafitte Levee District, LADOTD, Jefferson Parish, and CPRA. Meyer managed the following subconsultants: surveyors, geotechnical, environmental, and electrical engineers.</p> <p>Challenges encountered on the project were determining the pump station capacity in conjunction with the overall drainage basin design and Privateer Blvd. drainage improvements and coordinating this project with the T-wall design. Coordination was also required with the Jefferson Parish Drainage Department to meet their requirements and specifications for pump station operations during storm events.</p> <div style="text-align: center;">  </div> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| On-Going | \$2.8M (EST) | 100% |

TEC Professional Services Questionnaire

PROJECT NO. 5

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|---|---|--------------------------------------|
| <p style="text-align: center;">Glisson Park Pump Station</p> <p style="text-align: center;">Jefferson Parish, Louisiana</p> <p>Lafitte Area Independent Levee District 4917 City Park Drive Lafitte, LA 70067 Mayor Timothy P. Kerner, Jr. 504.689.2208 Email: timkerner@townofjeanlafitte.com</p> <p>KEY PERSONNEL</p> <p>Donovan Duffy, P.E. David H. Dupre, P.E. Jitendra C. Shah, P.E. Eric Colwart, P.E.</p> <p>HIGHLIGHTS</p> <ul style="list-style-type: none"> Drainage Pump Station Coordination with the Lafitte Levee District | <p>Design & Construction Administration</p> <p><i>Meyer Engineers, Ltd. (Meyer)</i> is completing the design and will perform construction administration on the Glisson Park drainage pump station in Crown Point. This project will provide drainage support for the levees that are being designed in the Crown Point drainage basin (which Meyer is also designing).</p> <p>The pump station will consist of two 24" pumps with a total capacity of 70 CFS, with 30" discharge pipes over the new T-wall levee. The concrete pump station is supported on precast concrete piles and includes a steel sheet pile suction basin, steel bar trash screens, and an elevated concrete generator platform.</p> <p>The project includes coordination with the Lafitte Levee District, LADOTD, Jefferson Parish, and CPRA. Meyer managed the following subconsultants: surveyors, geotechnical, environmental, and electrical engineers.</p> <p>Challenges encountered on the project were determining the pump station capacity in conjunction with the overall Crown Point drainage basin design and coordinating this project with the drainage basin design as well as the T-wall design. Coordination was also required with the Jefferson Parish Drainage Department to meet their requirements and specifications for pump station operations during storm events.</p> <div style="text-align: center;">  </div> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| On-Going | \$2.8M (EST) | 100% |

TEC Professional Services Questionnaire

PROJECT NO. 6

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|---|---|--------------------------------------|
| <p><i>Dellwood & Lee Street Pump Station Improvements</i> Slidell, Louisiana</p> <p>City of Slidell P.O. Box 928 Slidell, LA 70458 Mr. Blaine Clancy 985.646.4270 Email: bclancy@cityofslidell.org</p> <p>KEY PERSONNEL</p> <p>Donovan Duffy, P.E.</p> <p>HIGHLIGHTS</p> <p> Drainage Pump Stations</p> | <p><i>Design, Bidding & Construction Administration</i></p> <p>The project consists of designing <i>drainage pump station modifications</i> to the Dellwood and Lee Street drainage pump stations to remove the existing static bar screens and installing a new mechanical bar screen and rake system. The project will improve the reliability of the pump station during storm events. All electrical components, new and proposed, had to be elevated above the Base Flood Elevation, which is approximately 7-9' above existing grade.</p> <p><i>This project was part of the statewide watershed initiative phase 1, therefore Meyer Engineers, Ltd. (Meyer) provided design and all environmental permitting on the project, meeting CDBG/OCD requirements.</i> Special design consideration was required to allow for the pump stations to remain operational throughout the entire construction process.</p> <div style="text-align: center;"> </div> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| On-Going | <p>\$3.6M (EST) (Dellwood)</p> <p>\$2.1M (EST) (Lee Street)</p> | 100% |

TEC Professional Services Questionnaire

PROJECT NO. 7

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|---|--|--------------------------------------|
| <p style="text-align: center;"><i>Lafitte Area Wide Independent Levee District Drainage Program</i></p> <p>Jefferson Parish, Louisiana</p> <p>Lafitte Area Independent Levee District 4917 City Park Drive Lafitte, LA 70067 Mayor Timothy P. Kerner, Jr. 504.689.2208 Email: timkerner@townofjeanlafitte.com</p> <p style="text-align: center;">KEY PERSONNEL</p> <p>Donovan Duffy, P.E. David H. Dupre, P.E. Jitendra C. Shah, P.E. Mark Schutt, P.E.</p> <p style="text-align: center;">HIGHLIGHTS</p> <ul style="list-style-type: none"> Program Management Drainage and Pump Station Improvements Drainage Basin Modeling | <p><i>Program Management</i></p> <p>The Lafitte Area Independent Levee District (LAILD) hired <i>Meyer Engineers, Ltd. (Meyer)</i> as their <i>Program Manager</i> to <i>monitor and coordinate the district's drainage and pump station improvement projects</i>, which are needed since levees are being constructed around several drainage basins. For this program, Meyer has the overall responsibility for the successful negotiation, review, monitoring, and documentation for the design of <i>twenty-two projects in four different drainage basins</i>. After LAILD hired ten engineering firms to prepare the survey, geotechnical investigations, environmental permits, drawings and specifications for the drainage and pump station projects, Meyer's duties and responsibilities include but are not limited to the following:</p> <div style="display: flex; align-items: flex-start;">  <ul style="list-style-type: none"> Develop and maintain document control database to track project correspondence. Finalize scope and budget for each project and review itemized budgets. Review engineering contracts and amendments and provide recommendation for approval. Monitor design schedules and in-progress design documents. Negotiate design and supplementary service fees. Prepare status report for projects on spreadsheet form approved by LAILD. Assist LAILD and design consultants with preparation of any necessary document/permit documentation. Resolve and make recommendations for technical questions regarding issues of constructability during the design process. Review reports and coordinate with LAILD and design consultants as to action recommended to be taken. Review and make recommendations regarding design consultants' plans, specifications, and cost estimates for general conformance with LAILD's criteria and constructability. Monitor general compliance of plans and specifications with design standards, applicable codes and permitting restrictions and requirements. Develop bid packages prepared by design consultant. Attend Board meetings and other meetings, as necessary. Prepare reports for distribution to Board members and the public. Coordinate with design consultants and local governmental agencies having jurisdiction over the projects. <p>As Program Manager for the Lafitte Area Independent Levee District, Meyer is expected to take the leadership role both on the site and in the office and to encourage excellence and quality in the work amongst all the design consultants.</p> </div> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| On-Going | \$24.8M (EST) | 100% |


TEC Professional Services Questionnaire

PROJECT NO. 8

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|--|--|--------------------------------------|
| <p><i>Whitney Barataria Pump Station</i> Jefferson Parish, Louisiana</p> <p>Jefferson Parish Capital Projects 1221 Elmwood Park Boulevard, Ste. 906 Harahan, LA 70123 Mr. Neil Schneider, Director 504.736.6833 Email: neil.schneider@jeffparish.gov</p> <p>KEY PERSONNEL</p> <p>Donovan Duffy, P.E. David H. Dupre, P.E. Jitendra C. Shah, P.E. Mark Schutt, P.E.</p> <p>HIGHLIGHTS</p> <p> Drainage and Pump Station Improvements</p> | <p><i>Lifecycle Project Management</i></p> <p><i>Meyer Engineers, Ltd (Meyer)</i> provided Lifecycle Project Management with a \$21.5M drainage improvement project on the West Bank of Jefferson Parish under the Southeast Louisiana (SELA) Flood Control Program, including structural, civil, hydraulic, geotechnical, mechanical, electrical, environmental, and value engineering design; architecture; quality assurance; and construction management.</p>  <p>Meyer designed and managed construction of the new 3,000 CFS drainage pump station, flood control structures, pre-stressed and post-tensioned concrete structures, bulkheads, dolphins, fenders, guide walls, jetties, highway work/roads, culverts and bridges, and associated buildings. Meyer provided site layout, real estate right-of-way, architectural treatments, soil borings and tests, pile capacity curves, soil pressure assessments, seepage and dewatering analysis, stability analysis, surveys, and aerial photographic coverage.</p> <p>Meyer managed and performed design, construction management, Quality Assurance inspection, and technical support during construction for this drainage pump station. The pump station consisted of three 11-foot diameter 1,000 cfs pumps, three 16-cylinder EMD diesel engines, an air suppression system, emergency generators, switchgears, gear reducers, overhead cranes, trash rakes, and an operator's office. The project also included an intake canal consisting of steel sheet pile wall with a concrete cap and a pile supported concrete deadman, a concrete discharge basis, riprap revetment, concrete I-walls, dolphins, dredging, and modifications to an existing earthen levee at the Intracoastal Waterway.</p> <p>During design, Meyer participated in a Value Engineering effort led by USACE that determined the canal transition to the station required additional modeling to gauge the frequency and force potential eddies. Meyer teamed with Alden Research, Inc. to prepare a 3-D hydraulic model to provide a cost-effective means to evaluate the operating performance of the design prior to construction. This resulted in a modification to the design, which included lengthening the intake basin for the intake canal to ensure proper hydraulics.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2006 | \$21.5M | 100% |




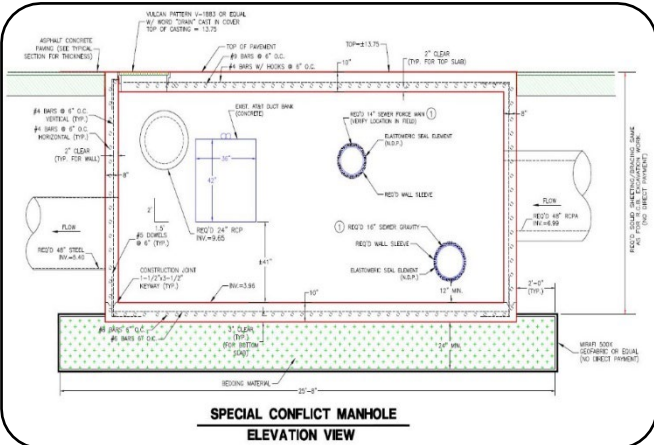
TEC Professional Services Questionnaire

PROJECT NO. 9

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|---|---|---|
| <p><i>Oakwood / Terrytown Drainage Improvements</i> Jefferson Parish, Louisiana</p> <p>Jefferson Parish Capital Projects 1221 Elmwood Park Boulevard, Ste. 906 Harahan, LA 70123 Mr. Neil Schneider, Director 504.736.6833 Email: neil.schneider@jeffparish.gov</p> <p>KEY PERSONNEL</p> <p>Donovan Duffy, P.E. Jitendra C. Shah, P.E. Eric Colwart, P.E.</p> <p>HIGHLIGHTS</p> <ul style="list-style-type: none"> HMGP Funded Subsurface Drainage Improvements Minimized Traffic Disruption by Phasing Behrman Highway Crossing over Two Weekends Major Utility Relocation | <p><i>Design, Bidding & Construction Administration</i></p> <p><i>Meyer Engineers, Ltd. (Meyer)</i> completed the <i>design of drainage improvements</i> and street reconstruction along Carol Sue Avenue from Oakwood Canal to Algiers Outfall Canal in Terrytown. The scope of work included the following:</p> <ul style="list-style-type: none"> Approximately 2,500' long new 72" RCPA drain lines. Removal and replacement 11,000 SY of 7" thick concrete roadway with rollover curb. The design included re-establishing vertical alignment for proper drainage. Major utility lines were relocated, and water and sewer line relocation plans were developed. Telephone fiber optical line conflicts were resolved, and gas line relocation was coordinated. The utility relocation plans were developed to minimize damage to the fiber optic cable and street-light system per Jefferson Parish requirements. Special sequences and details were developed for relocation of telephone fiber optic cables. Detour plans were developed for traffic routing. Two lanes of traffic were kept open throughout the construction of the project, and special construction sequences were developed as needed. The outfall at the Algiers Outfall Canal was designed to avoid canal bank erosion issues. <p>A challenge encountered with the project was to minimize the traffic disruption in crossing a major highway (Behrman Highway). This was resolved by requiring the work to be completed over two weekends, which included drain lines, utility relocations, and road replacement.</p> <div style="text-align: center;">  </div> <p>Traffic was detoured through neighborhood streets successfully, and traffic signalization system was restored during this period. Special construction sequences and detour plans were planned and coordinated with DOTD.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| 2015 | \$6M | 100% |

TEC Professional Services Questionnaire

PROJECT NO. 10

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: | |
|--|---|--------------------------------------|
| | <i>Design, Bidding & Construction Administration</i> | |
| <p><i>Lime Street Drainage Improvements</i> Jefferson Parish, Louisiana</p> <p>Jefferson Parish Capital Projects 1221 Elmwood Park Boulevard, Ste. 906 Harahan, LA 70123 Mr. Neil Schneider, Director 504.736.6833 Email: neil.schneider@jeffparish.gov</p> <p>KEY PERSONNEL</p> <p>Donovan Duffy, P.E. David H. Dupre, P.E.</p> <p>HIGHLIGHTS</p> <ul style="list-style-type: none">  48" Drain Line  Concrete Road Replacement  Utility Offsets and Conflict Boxes | <p>Meyer Engineers, Ltd. (Meyer) provided engineering for the design and preparation of plans and specifications for the Lime Street Drainage Improvements, which includes upgrading the subsurface drainage system on Lime Street from West Esplanade to Veterans Boulevard.</p>  <p>This critical drainage project is situated in an area that has one of the more poorly drained storm water subsurface drainage systems in Metairie. A considerable amount of the subdivision is approximately 7 feet below mean sea level.</p> <p>The project included installation of 30" PVC to 48" RCPA storm water drainage trunk line that discharges into the West Esplanade Canal No. 2 to the north and the Veterans Boulevard Canal No. 3 to the south.</p> <p>The project also included the replacement of Lime Street (concrete), water line offsets (including a 30" concrete Price Brothers pipe with ductile iron pipe), sanitary sewer conflict boxes, jack or bore of a 48" steel drainage pipe under Veterans Boulevard, open cut of West Esplanade for a 48" drain line which necessitated a detour plan, concrete slope paving for outfall pipes, sidewalk replacement, and tree protection.</p> <p>Tasks Meyer completed include a hydraulic study of the area, design of a storm water drainage system, and preparation of construction documents to be advertised and bid through Jefferson Parish.</p> <p>Meyer coordinated work with Jefferson Parish Capital Improvements, Drainage, Water, Sewerage and Engineering Departments.</p> <p>A design challenge was the conflict with the required 48" RCPA and the numerous existing utilities (AT&T duct bank, 14" sewer force main, 12" sewer gravity line, and side drainage culverts) all in close proximity to each other on Veterans Boulevard. The solution was to design a 21' x 8' conflict box.</p> | |
| Completion Date (Actual or estimated): | Estimated Cost: | |
| | Entire Project: | Work for which Firm was Responsible: |
| On-Going | \$7.1M (EST) | 100% |

TEC Professional Services Questionnaire

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

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

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

1. PROFESSIONAL TRAINING AND EXPERIENCE

Meyer Engineers, Ltd. (Meyer) has been heavily involved in *drainage, levees, drainage pump station design, hydraulic modeling*, and construction engineering and inspection projects in south Louisiana. Meyer has worked closely with Jefferson Parish, LADOTD, and for many major municipalities and Parishes in the State of Louisiana, including work on several State and Federally funded projects through FEMA, HMGP, CDBG, and the DOTD Statewide Flood Control Program. Meyer's key personnel have expertise in performing engineering services that include civil engineering design, hydraulic modeling, and construction administration. Our firm offers knowledge and technical ability in all fields of civil engineering practice including the design and preparation of construction plans for streets, highways, pavement, drainage, and pump station projects. These tasks include developing plans and layouts, pre-design estimates, plan-profile sheets, geometric designs, drainage designs including subsurface drainage, typical sections, detail sheets, signing and striping details, joint layouts, construction sequences, construction signage, cross-sections, and quantity sheets. Meyer has a significant record of managing multiple team members including environmental, electrical, surveyors, and geotechnical among other consultants.



Drainage Pump Station Experience

People have always been drawn to live, work, and play along the world's coasts. Even now, as the frequency and intensity of coastal storms and sea level rise endanger our coastal cities and cause significant environmental damage—including losses in coastal lands and wildlife habitats—these areas continue to grow in population, financial investment, and economic activity.

Being able to survive and prosper in these coastal environments and under these changing conditions requires innovative and ongoing engineering design adaptations—adaptations that also accommodate for changed future conditions. With a long legacy as a leading water management design firm, Meyer has designed significant coastal flood risk reduction and ecosystem restoration projects around the Southeast Louisiana region. These include built interventions such as *levees, pump stations, floodwalls*, and raised buildings as well as soft interventions such as marsh creation/restoration and living shoreline methods. Our goal is always to protect people by reducing the risk of flooding for our cities and vital infrastructure.

Meyer employees—many of whom are from and/or live in these threatened coastal communities—approach these design and construction challenges with exceptional technical skill and a commitment to providing the most efficient solutions, which is evidenced by our extensive list of past and current clients and the size and complexity of recent projects. Meyer is *one of the foremost authorities in drainage pumping station design in Louisiana*. Over the past 40 years, we have led the field in the design and construction of more than 15 stations ranging in pumping capacity of 150 to 4,000 cubic feet of water per second (CFS), with additions to pump stations up to 3,000 CFS. Meyer has successfully implemented numerous types of drainage pumps (12' horizontal, 12' flowerpot, 8' vertical), drivers (diesel engine and electric motor), intake screen cleaning systems, backflow prevention designs, as well as various auxiliaries required for the construction of reliable, effective, drainage stations.

TEC Professional Services Questionnaire

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

Current drainage pump station design projects include:

- ✿ Sylvia Estates Pump Station (St. Bernard Parish) (\$25.5M)
- ✿ Whitney Barataria Pump Station (Jefferson Parish) (\$21.5M)
- ✿ Crown Point Pump Station(s) (Town of Jean Lafitte) (\$12.3M)
- ✿ Reserve Relief Pump Station (St. John the Baptist Parish) (\$12M)

2. CAPACITY FOR TIMELY COMPLETION

Currently, Meyer is extremely slow and has staff to immediately begin this contract. Meyer is knowledgeable of all the Jefferson Parish contract requirements. The firm has an excellent record of delivering a quality professional service in a timely manner to its public and private clients. Meyer has never been placed in default for not being in compliance with performance schedules. The firm is cognizant of the total project costs and schedules, including architectural, engineering, property acquisition and construction costs. The firm will consider these important factors in the design of the project. The firm has instituted a quality control program. The firm's current work will not conflict with this project. Personnel are available to manage the project and prepared to begin work immediately.

3. LOCATION OF THE PRINCIPAL OFFICE WHERE WORK WILL BE PERFORMED

Meyer is an Engineering/Architectural firm located in the Metro New Orleans area. Work for this project will be performed at Meyer's office located at: **4937 Hearst Street - Suite 1B, Metairie, Louisiana 70001**. Meyer is located within Jefferson Parish and can be at many project sites within ten minutes.

4. ADVERSARIAL LEGAL PROCEEDINGS WITH THE PARISH

There is no ongoing litigation between Meyer and Jefferson Parish. There are no adversarial legal proceedings between Meyer and the Parish. The litigation involving the Alario Center Kitchen and Hornet Addition, which Meyer was a party has been amicably resolved between the parties and as such dismissed.

5. PRIOR SUCCESSFUL COMPLETION OF PROJECTS

The following references can attest to the quality of work for streets projects of MEL:

- ✿ Jefferson Parish, Mr. Neil Schneider, Phone: 504.736.6833
- ✿ New Orleans Sewerage & Water Board, Mr. Ron Spooner, Phone: 504.865.0650
- ✿ Town of Jean Lafitte, Mayor Timothy P. Kerner, Jr., Phone: 504.689.2208
- ✿ St. Bernard Parish, Mr. Donald Bourgeois, Phone: 504.278.4314

6. SIZE OF FIRM

Meyer is an Engineering/Architectural firm located in Metairie, Louisiana. Meyer is a Louisiana registered Engineering and Architectural firm with Richard C. Meyer as President and Chief Executive Officer. Meyer is the continuation of the firm of Hamilton, Meyer and Assoc., Inc. Architect and Engineer. Hamilton, Meyer and Associates was started in 1967 and was dissolved in 1981. Mr. Charles Meyer continued as President of Meyer from 1981 to 1999. Richard C. Meyer was elected President of Meyer in January 2000. In December of 2022, Thompson Holdings purchased Meyer and Mr. Donovan P. Duffy was appointed President of Meyer in January 2024. Meyer currently employs twelve Louisiana Licensed Civil Engineers (two with structural experience and all with site planning experience), one Louisiana Licensed Mechanical Engineer, one Engineer Intern, five Licensed Architects, one Intern Architect, one Planner (Urban & Regional), thirty Construction Inspectors, eight clerical staff, and one CADD Technician. Meyer has the equipment and the facilities to complete this project. Our firm's equipment includes approximately thirty computers, two photocopiers, ten printers capable of printing black & white and/or color in various sizes, and two plotters for AutoCAD Drawings. Some of the computer software Meyer owns includes AutoCAD, HydroCAD (drainage design), Microstation, Roadcalc (roadway design), Cybernet (water design) Licenses, Microsoft Word, Corel WordPerfect, and Microsoft Excel. Meyer also has scanning capabilities, and in-house reproduction capabilities. All firm equipment software is available for these projects. Meyer can provide contract drawings in AutoCAD or Microstation format and contract specifications in Microsoft Word or WordPerfect format.

TEC Professional Services Questionnaire

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

Meyer Project Team



Donovan P. Duffy, P.E., President, is a Civil Engineer with over twelve years of experience in Civil and Structural Engineering and Construction Management. He has extensive experience leading design and construction administration operations with a diverse range of industries and government entities. He specializes in water management and drainage design, including hydraulic impact analysis. He is currently the Project Principal for the *St. John Reserve Relief Pump Station project which consists of a new 400 CFS pump station* in Reserve, Louisiana.

Jitendra C. Shah, P.E., Vice President, is a Civil Engineer with over fifty-one years of Civil Engineering experience and is involved in all aspects of administering engineering projects. *He has completed the design of many drainage pump stations ranging from 40-3,000 CFS, some of which included canal and levee improvements.*



David H. Dupré, P.E., Vice President, has over thirty-nine years of experience in Civil and Structural Engineering, Project Management and Construction Management. He is involved with all aspects of administering engineering projects which include client contact, cost estimates, design plans and specification, construction administration, and preparation of reports. *He managed the design of the 3,000 CFS drainage pump station for Whitney Barataria on the West Bank of Jefferson Parish.*

Richard C. Meyer, P.E., Principal, is a Civil Engineer involved with all aspects of administering engineering projects including client contact, cost estimates, design, quality control, contract administration, and contract closeout. He coordinates the Engineering staff and has participated in most facets of Civil Engineering design including structural, sanitary and storm sewerage, roads and bridges, and airport designs. *Mr. Meyer has been involved in dozens of drainage and pump station projects including the Whitney Barataria Pump Station and the Lafitte Levee Pump Stations.*



7. PAST PERFORMANCE

Meyer has been deeply involved in working with Jefferson Parish on various projects over the past four decades. In addition, Meyer has worked on projects involving representatives from the LADOTD, the FHWA, municipal representatives, government officials with the Federal, State and local level, utilities representatives, contractors, and the general public. The firm is very familiar with Jefferson Parish standard specifications, practices and design requirements, and understands the needs of the Parish and can work within time and budget constraints. Meyer has a record of providing services in a timely manner. Meyer is working with Jefferson Parish on numerous projects including the Edenborn Avenue Drainage Improvements, Oakwood Terrytown Drainage and Rosethorne Sewer among many others.

WHY CHOOSE MEYER?

- ✦ **Knowledgeable:** Working for Jefferson Parish for over four (4) decades has provided MEL with intimate knowledge of the systems and the processes. Our staff is well known by the administration and has intimate knowledge of the infrastructure needs of the area.
- ✦ **Responsiveness:** As a professional service firm, we realize that time is money and as such we are very sensitive to the needs of our clients and project deadlines. From the initial proposal stage to project close-out and delivery, MEL management and staff pride themselves on meeting schedules and responding to client requests.
- ✦ **Reliability:** MEL has been in business since 1965 and is a second-generation owned firm. As a pillar of the Jefferson Parish business community, MEL has for decades provided our clients with quality designs for the built environment. Our long-standing reputation as a trusted partner with our clients will remain for future generations.
- ✦ **Resourcefulness:** Applying new processes, methodologies and techniques allows us to take a proactive approach to solving project challenges and deliver your projects better and faster. Our team is constantly searching for new ways to identify funding through grant programs, and the management staff sources the latest technologies and design trends.

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

Signature: _____

Print Name: Donovan P. Duffy, P.E.

Title: President

Date: August 29, 2024

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:

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

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:

26 (all personnel will be available for assignment to the project)

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Ralph P. Fontcuberta, Jr., PLS

Executive Vice President / Registered Professional Land Surveyor

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

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

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

Mr. Fontcuberta's surveying experience with Jefferson Parish can be traced back to BFM's inception in 1982, and to 1967 then while working as a surveyor with another firm. He has over half a century of experience with surveying throughout the region and specifically with Jefferson Parish. He has served as the PLS for projects throughout every corner of Jefferson Parish. Relevant project history includes, **but is certainly not limited to**, the following:

- 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:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

7 years (became partial owner of BFM in 2017);
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
Soil Testing Engineers, Inc. | 2001 to 2007
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 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.

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.

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:

Gary J. Lambert, Jr., PLS

Vice President / Registered Professional Land Surveyor

Project Assignment:

Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

6 years (joined BFM in 2018);
13 years total (2011)

BFM Corporation, LLC | 2018 to present
Riverlands Surveying | 2016 to 2018
Bertucci Contracting | 2011 to 2016

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:

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.

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.

Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).

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

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| 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); 17 years total (2007) | <i>BFM Corporation, LLC 2008 to present</i> <i>Delle Land Surveying 2007 to 2008</i> |
| 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: | |
| <p>Phil Thayer serves as BFM's Procurement Director, providing proposal preparation and Project Management Support, having considerable experience in field surveying services, including ALTA/as-built surveying, construction layout, boundary, topographic, cross-sections, GPS use, and numerous other surveying types.</p> <p>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)</p> <p>Hero Pump Station, Harvey, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$16,380 (fee); 2018)</p> <p>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)</p> | |

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

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| 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) | <i>BFM Corporation, LLC 2009 to present</i> <i>Fluor Corporation 2007 to 2009</i> <i>Geographic Computer Technologies, LLC 2000 to 2007</i> |
| 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: | |
| <p>Dawn Hoffman serves as BFM's primary researcher and has more than 25 years of experience in this field. She is extremely knowledgeable with researching in various parishes and cities.</p> <p>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)</p> <p>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)</p> | |

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);
33 years total (1991)

BFM Corporation, LLC | 2011 to present
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

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| 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); 39 years total (1985) | <i>BFM Corporation, LLC 2018 to present</i> <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: | |
| <p>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.</p> <p>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)</p> | |

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

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| 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: | |
|  BFM CORPORATION, LLC 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, bathymetry, 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

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| 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: |
|  BFM CORPORATION, LLC Professional Land & Hydrographic Surveying |
| Years' experience with this Firm: |
| 10 years (joined BFM in 2014); 23 years total (2001) <div style="float: right; text-align: right;"> <i>BFM Corporation, LLC 2014 to present</i> <i>Seatech Industries 2010 to 2012</i> <i>Richmond W. Krebs & Associates, LLC 2008 to 2010</i> <i>Krebbs, LaSalle, LeMieux Consultants Inc. 2003 to 2008</i> </div> |
| Education: Degree(s)/Year/Specialization: |
| <i>High School Diploma</i> |
| Active Registration: Year first registered/discipline: |
| <i>American Traffic Safety Service Assn. – Traffic Flagger</i> <i>Basic OSHA Training Class Completion</i> <i>Norfolk Southern Roadway Worker Protection Contractor Safety Certificate</i> <i>Transportation Work Identification Card (TWIC)</i> |
| Other experience and qualifications relevant to the proposed Project: |
| <p>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)</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: **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-13-6; 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

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| 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) | <div style="text-align: right;"> <i>BFM Corporation, LLC 2023 to present</i> <i>Atwell Oil and Gas 2020 to 2023</i> <i>Universal Pegasus-Hill 2017 to 2020</i> <i>Altura Land Consultants (CO) 2017 to 2017</i> <i>NOLA Construction 2016 to 2017</i> <i>Gandolfo Kuhn 2014 to 2016</i> <i>Cavada Surveyors (CO) 2013 to 2014</i> <i>McClone Construction (CO) 2013 to 2013</i> <i>GEC Engineering (fm Krebs Lasalle Lemeiux Eng) 2010 to 2013</i> <i>Jerry Rugg PLS 2007 to 2010</i> <i>Mike Duty PLS 2006 to 2007</i> <i>Sage Alliance Co Engineers (AZ) 2006 to 2006</i> <i>Tommy Semmes Jr. Surveying 2005 to 2005</i> <i>Mike Duty PLS 2004 to 2005</i> <i>Cross Country Surveyors 2002 to 2003</i> <i>Falcon Surveying (CO) 2002 to 2002</i> <i>Charlie Peterson PLS (FL) 2002 to 2002</i> <i>Maroney Engineering 2001 to 2002</i> <i>Eastside Glass and Sealants (WA) 2000 to 2000</i> <i>Jerry Rugg PLS 1999 to 2000</i> <i>Mike Duty PLS 1997 to 1999</i> </div> |
| Education: Degree(s)/Year/Specialization: | |
| <i>High School Diploma</i> <i>Bachelor of Arts Coursework (2 years), University of Louisiana at Monroe</i> | |
| 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

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| 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: | |
| <p style="text-align: center;">June 2020</p> | Entire Project: | Work for which Firm was Responsible: |
| <p style="text-align: center;">June 2020</p> | <p style="text-align: center;">N/A</p> | <p style="text-align: center;">\$89,780 (fee)</p> |

| | | |
|---|---|---|
| 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: | |
| <p style="text-align: center;">December 2017</p> | Entire Project: | Work for which Firm was Responsible: |
| <p style="text-align: center;">December 2017</p> | <p style="text-align: center;">N/A</p> | <p style="text-align: center;">\$11,890 (fee)</p> |

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 Pitre, 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: | |
| North Arnoult Drainage Pump Station Improvements , Jefferson Parish, Louisiana Hartman Engineering, Inc. 527 W. Esplanade Ave Suite 300 Kenner LA 70065 Rolland A. Mura , 504-466-5667 rmura@harteng.com | 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. | |
| 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: | |
| Timberview Lane Pump Station , Harvey, Jefferson Parish, Louisiana H. Davis Cole & Associates, Inc. 1340 Poydras Street Suite 1850 New Orleans LA 70112 H. Davis Cole, P.E. , 504-836-2020 hddcole@hdaviscole.com | 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. | |
| 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: | |
| Veterans Boulevard Pump Station, Metairie, Jefferson Parish, Louisiana Jefferson Parish Department of Engineering 1221 Elmwood Pk Blvd Ste 802 Jefferson LA 70123 Matthew Zeringue, 504-736-6500 meringue@jeffparish.net | 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. | |
| 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: | |
| Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, Louisiana ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70006 Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com | 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. | |
| 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: | |
| Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, Louisiana Jefferson Parish Department of Drainage 1221 Elmwood Park Blvd Ste 907 Harahan LA 70123 Ben Lepine, 504-736-6759 blepine@jeffparish.net | 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. | |
| 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: | |
| Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, Louisiana CB&I Coastal, Inc. 2424 Edenborn Ave Ste 450 Metairie LA 70001-6463 Gene S. Gillen, P.E., 504-832-4878 gene.gillen@CBI.com | 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. | |
| 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. | <div>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</div> | |
| 2. | | |
| 3. | | |
| 4. | | |

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

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@stp.gov.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

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> </u> | | <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

| | | |
|---|------------|---|
| 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: <div style="display: flex; align-items: center;"> <div style="border-bottom: 1px solid black; width: 100px; margin-right: 10px;">30</div> (all personnel will be available for assignment to the project) </div> | | |

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.

Executive Vice President / Registered Professional Geotechnical Engineer

Project Assignment:

Geotechnical Engineer / Principal In Charge

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

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: | |
| <div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div> | |
| Years' experience with this Firm: | |
| 13 years (joined Gulf South in 2011); 35 years total (1989) | <i>Gulf South Engineering and Testing, Inc. 2011 to present</i> <i>Ardaman and Associates, Inc. 2007 to 2011</i> <i>Soil Testing Engineers, Inc. 1988 to 2007</i> |
| Education: Degree(s)/Year/Specialization: | |
| High School Diploma | |
| Active Registration: Year first registered/discipline: | |
| <i>ACI-I Field Technician (since 1991; No. 929012)</i> <i>Certified Engineering Technician (since 1992)</i> <i>Nuclear Gauge Safety Training (since 1994; No. 061321)</i> <i>Pile Driving Analyzer/CAPWAP, OSHA 40 HAZWOPER</i> | |
| Other experience and qualifications relevant to the proposed Project: | |
| <p>Eric A. Paille, C.E.T., ACI, serves as Gulf South's Construction Services Manager as well as the manager of our Gonzales office. He has experience as a technician, inspector, and testing manager, and is knowledgeable in all aspects of construction materials testing and construction inspection. Mr. Paille has performed all applicable field and soil tests over the past 30+ years. In addition, he is certified in the safe use and handling of the nuclear density gauge. He received PDA training in 2003 and has knowledge of PDA testing along with significant experience with pile driving analyzers. Mr. Paille is one of the most knowledgeable people in our industry.</p> <p>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)</p> <p>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 &</p> | |

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 Tremé-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: | |
| <div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div> | |
| Years' experience with this Firm: | |
| 5 years (2012-2016; 2023 to present); 14 years total (2010) | <i>Gulf South Engineering and Testing, Inc. 2023 to present</i> <i>Ascension Parish Sheriff's Office 2016 to 2023</i> <i>Gulf South Engineering and Testing, Inc. 2012 to 2016</i> <i>Ardaman and Associates, Inc. 2010 to 2012</i> |
| Education: Degree(s)/Year/Specialization: | |
| <i>High School Diploma</i> | |
| Active Registration: Year first registered/discipline: | |
| APNGA Nuclear Gauge Safety ACI Field Technician Level 1 OSHA Safety Training – 8 hr. | |
| Other experience and qualifications relevant to the proposed Project: | |
| <p>Brandon A. Paille, ACI has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, hydrometers, Atterberg limits, organic contents, moisture contents, proctor compaction tests, sieve analyses, as well as extrusion of samples. Mr. Paille's field experience includes soil inspection and testing consisting of nuclear density testing, soil boring logging, concrete testing and inspections, timber and precast pile logging and vibration monitoring. In Mr. Paille's years in the construction materials testing industry, he has obtained a vast amount of knowledge and experience which makes him an integral part of our Gulf South Team.</p> <p>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>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)</p> | |

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: | |
| James Tiner, ACI Laboratory Manager/Field Supervisor | |
| Project Assignment: | |
| Laboratory Manager/Field Supervisor | |
| Name of Firm with which associated: | |
| <div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div> | |
| Years' experience with this Firm: | |
| 11 years (2013 to present); 27 years total (1997) | <i>Gulf South Engineering & Testing, Inc. 2013 - present</i> <i>Ardaman & Associates, Inc. 2007 - 2013</i> <i>Soil Testing Engineers, Inc. 1997 - 2007</i> |
| 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: | |
| <div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div> | |
| Years' experience with this Firm: | |
| 2 years (joined Gulf South in 2022); 3 years total (2021) | <i>Gulf South Engineering and Testing, Inc. 2022 to present</i> <i>TetraTech, Inc. 2021 to 2022</i> |
| 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: | |
| <p>Bryson S. Beard, P.E., is an Associate Geotechnical Engineer/Field Engineer who serves as a Project Manager. He has performed geotechnical engineering analyses consisting of shallow and deep foundations, slope stability, TRS and sheetpile wall design, settlement, pavement design, etc., and has prepared engineering reports. Mr. Beard's experience in the field includes surface and subsurface soil sampling, water sampling, and soil classification. His work experience further includes core logging and oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. He is experienced with laboratory sample preparation and testing as well as air sampling and soil gas sampling.</p> <p>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.</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: **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: | |
| <div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div> | |
| Years’ experience with this Firm: | |
| 13 years (joined Gulf South in 2011); 13 years total (2011) | <i>Gulf South Engineering and Testing, Inc. 2011 to present</i> <i>Ardaman and Associates, Inc. 2007 to 2011</i> <i>Soil Testing Engineers, Inc. 2006 to 2007</i> |
| 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: | |
| <p>Trey Binder has direct experience with field and laboratory testing services. Mr. Binder’s field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.</p> <p>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)</p> | |

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: | |
| <div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div> | |
| 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: | |
| High School Diploma Currently attending UNO in Civil Engineering Program | |
| Active Registration: Year first registered/discipline: | |
| ACI Concrete Field Testing Technician - Grade I (02206931) | |
| 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: | |
| <div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div> | |
| 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: | |
| High School Diploma | |
| Active Registration: Year first registered/discipline: | |
| ACI Concrete Field Testing Technician - Grade 1 (exp 2028 03) ACI Aggregate Testing Technician - Level 1 (exp 2029 02 27) | |
| 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: | |
| <div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div> | |
| 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: | |
| High School Diploma | |
| 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: | |
|---|---|--------------------------------------|
| Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, Louisiana MSMM Engineering, LLC 7640 S. Carrollton Ave Ste 220 New Orleans LA 70119 Scott G. Chehardy, P.E., 985-233-9763 schehardy@msmmeng.com | 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. | |
| 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: | |
|---|---|--------------------------------------|
| Lake Cataouatche Drainage Pump Station Replacement, Avondale, Jefferson Parish, Louisiana Jefferson Parish Department of Engineering 1221 Elmwood Park Blvd Ste 907 Jefferson LA 70123 Mitch Theriot, P.E., 504-736-6742 mtheriot@jeffparish.net | 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. | |
| 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: | |
| Mississippi River Discharge Pump Station , River Ridge, Jefferson Parish, Louisiana ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70001 Susina Shrestha, P.E. , 504-885-4080 sshrestha@ecmconsultants.com | Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side. | |
| 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: | |
| Trudeau Drive Drainage Improvements at West Metairie Canal , Metairie, Jefferson Parish, Louisiana Hatch Mott MacDonald 650 Poydras Street, Suite 2025 New Orleans LA 70130 Many Heymann, P.E. , 504-799-0437 many.heyman@hatchmott.com | 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. | |
| 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: | |
| Morton & Ingrid Pump Station Rehabilitation, Jefferson Parish, Louisiana Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471 Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com | 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. | |
| 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: | |
| New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, Louisiana Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471 Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com | 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. | |
| 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: | |
| St. Peter's Ditch - Phase IV (Pump Station at Clearview) , Metairie, Jefferson Parish, Louisiana Jefferson Parish Public Works Department 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123 Reda Youssef, P.E. , 504-736-6783 JPPW@jeffparish.net | 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. | |
| 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: | |
| N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, Louisiana Digital Engineering 527 W Esplanade Ave Ste 200 Kenner LA 70065 Frank T. Liang, P.E. , 504-468-6129 fliang@deii.net | 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. | |
| 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>Gulf South Engineering and Testing, Inc. is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</div> | |
| 2. | | |
| 3. | | |
| 4. | | |

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



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@stpgov.org)

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

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

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

Signature: _____

Print Name: Chad M. Poché, P.E.

Title: Executive Vice President

Date: August 22, 2024