

Providing for the
Future



SOQ 21-008
STATEMENT OF QUALIFICATIONS
TO PROVIDE PROFESSIONAL ENGINEERING
SERVICES RELATED TO THE DESIGN FOR THE
REHABILITATION OF THE TRANSCONTINENTAL
& BELLE LIFT STATION (E8-1)



**PROVIDENCE ENGINEERING AND
ENVIRONMENTAL GROUP LLC**



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PROVIDENCE

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Statement of Qualifications for
Professional Engineering Services
Related to the Design for the Rehabilitation of the Transcontinental & Belle Lift Station (E8-1)
Jefferson Parish, Louisiana

SOQ 21-008

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

Providence Engineering and Environmental Group LLC
2200 Veterans Boulevard, Suite 102
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:

Gary Leonards, P.E.
Principal-In-Charge
(504) 454-1710
Louisiana License No. 30568

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.

Melanie B. Caillouet, P.E.
Project Manager
(504) 454-1710
Louisiana License No. 32936

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

26	Administrative		Estimators		Specification Writers
	Architects (Licensed)	1	Geologists		Structural Engineers
	Chemical Engineers		Geotechnical Engineers		Graduate Engineers
6	Civil Engineers		Interior Designers	10	Project Managers
6	Construction Inspectors		Landscape Architects	1	Clerical
5	Ecologists	3	Land Surveyor (crew)		Grant/Funding Specialist
1	Electrical Engineers		Mechanical Engineers		Sanitary Engineers
2	Engineer Intern	2	Environmental Engineers	29	Other: Environmental Scientists, Technicians, Biologists
1	Professional Land Surveyors	4	Other: Draftsmen/AutoCADD	97	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. Marrero, Couvillon & Associates, LLC 3525 Hessmer Avenue, #304 Metairie, LA 70002	Mechanical and Electrical Engineering	Yes
2. Gulf South Engineering and Testing, Inc. 15 Veterans Memorial Boulevard Kenner, LA 70062	Geotechnical Services	Yes
3. BFM Corporation, LLC 15 Veterans Memorial Boulevard Kenner, LA 70062	Survey	Yes

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

N/A

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:

Gary Leonards, P.E.
Principal

Project Assignment:

Project Engineer

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: 15

Education: Degree(s)/Year/Specialization:

BS / 1998 / Biological Engineering, Environmental Engineering Minor

Active registration: Year first registered/discipline:

2003 / Professional Civil Engineer / LA License No. 30568

Other experience and qualifications relevant to the proposed Project:

Mr. Gary Leonards has over 19 years of experience in civil engineering, including work in environmental, infrastructure, and coastal engineering arenas. He has been associated with government and private industry projects and his background includes design, studies, regulatory permitting, engineering oversight, field investigations, risk-based evaluations, and closure planning for waste disposal facilities. Project experience includes infrastructure improvements such as: roadways, drainage systems, levees, water treatment facilities, sanitary sewer systems, pump stations, force mains, landfills, surface impoundments, oxidation ponds, solid and hazardous waste containment systems, municipal and commercial drainage studies, storm water runoff evaluations, storm water conveyance design, and design of erosion/runoff control measures. Mr. Leonards has prepared permit modifications, developed closure plans for waste disposal facilities, performed surface water and leachate management, hydrogeological investigations and geotechnical evaluations including settlement calculations, stability analysis and soil classification. In addition, his background includes water quality evaluations of restoration projects as well as evaluation of marsh and open water areas with dredge material. His solid waste background further includes remediation of underground storage tank/pipeline sites, Risk Evaluation/Corrective Action Program (RECAP), beneficial use/reuse of waste materials, development of Best Management Practice Plans (BMPs), and debris management following natural disasters. His marsh and coastal restoration experience includes large scale marsh creation, shoreline stabilization and design engineering using a combination of vegetative debris and dredge sediments, use of sand dunes supported by vegetative debris, and use of various rock breakwaters, cut-off walls, and shoreline protection structures such as weir gates and sheet pile walls. Mr. Leonards has been involved in all aspects of the design, permitting, operation, and construction of solid and hazardous waste disposal facilities, including general engineering support in construction maintenance, demolition, and closure of industrial and municipal landfills. He has been responsible for the surveying and design of both passive and active landfill gas extraction systems. He has also been involved in the closure of impoundments for industrial facilities including analytical evaluations, closure methodology, and final closure design.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Gary Leonards, P.E. (continued)

Mr. Leonards has long-time experience in project management, construction oversight, quality assurance and quality control, in addition to water resource, grant management and transportation projects. Prior to joining Providence, he worked in the Solid and Hazardous Waste Division and the Environmental Technology Division at the Louisiana Department of Environmental Quality (LDEQ) and worked for the U.S. Army Corps of Engineers (USACE).

Project Engineer/Project Manager: *Enterprise Marine Services, Sanitary Sewer System Upgrades.* Project engineer and project manager for the permitting, design, and installation of 13 sanitary lift stations, over 10,000 feet of HDPE force main and gravity mains, and connection to the Terrebonne Parish wastewater treatment system. The project involved a detailed survey of the facility and public right-of-way, design of the system upgrades based on anticipated uses, Terrebonne Parish, Louisiana Department of Health and Hospitals (LDHH), and Louisiana Department of Transportation and Development (LDOTD) permitting, construction oversight and project management. Providence was responsible for all parish coordination for the installation of approximately 2,500 linear feet of new force main along an existing state highway. Providence also prepared detailed construction budget estimates for the project for the facility to secure the necessary funding for the sanitary sewer system upgrades.

Project Engineer: *Esler Field Sewer and Oxidation Pond Upgrades, Rapides Parish, LA.* Design and installation of 2,507 linear feet of 8-inch PVC gravity sewer lines, 73 linear feet of 10-inch PVC gravity sewer lines, and eight manholes. Eleven manholes plugged and sealed; sewer lines in the manholes cut and plugged. Rehabilitation of six standard manholes. Installation of new chlorinator for 2,000 - 20,000 gallons per day (gpd) treatment and fabric curtain walls to separate an existing 1.3-acre oxidation pond.

Project Engineer: *Enterprise K/D/S Promix, LLC, Sanitary Treatment System Modifications, Ascension Parish, LA.* Design, permitting and construction oversight for modifications to sanitary wastewater collection and treatment system. Removal of three existing sanitary treatment plants and installation of three new, 300 gallon lift stations with 78 gpm submersible, non-clog pumps. Installation of a 500-gallon EQ tank with 78 gpm submersible, non-clog pump.

Project Engineer: *Town of White Castle, Wastewater Treatment Plant Upgrades, Iberville Parish, LA.* Oversight of technical specifications development, management of bidding process, construction and grant closure. Funded by Clean Water State Revolving Fund (CWSRF) and American Recovery and Reinvestment Act (ARRA).

Project Engineer: *State of Louisiana Military Department, Sewer Collection System Upgrades, Rapides Parish, LA.* Upgrades to the gravity flow sewer collection system at Esler Field Air Force Base. The project involved replacement of over 6,000 linear feet of gravity flow sewer lines, installation and rehabilitation of manholes, and modifications to the existing oxidation pond to increase retention time and treatment capacity.

Engineer: *Louisiana Department of Environmental Quality, East Baton Rouge Parish, LA.* Team leader for several pipeline and underground storage tank (UST) spills/releases in Louisiana. As the team leader, he was responsible for review of site analytical data, determining the applicable cleanup standards, implementation of the remedial plan, and ensuring the remedial plan was accomplished. This involved working in close relationship with staff geologist, environmental specialist, and public relations staff as well as the responsible party.

Engineer: *Louisiana Department of Environmental Quality, East Baton Rouge Parish, LA.* Oversaw the design and construction of over 30 Subtitle D landfill cells which included excavation, placement of a recompacted clay liner, installation of several layers of geosynthetics, installation of leachate collection and removal system, and the placement of protective cover. These cells ranged in size from 1 acre to over 30 acres. Construction Quality Assurance/Quality Control reports were also reviewed to ensure that the construction was in accordance with the approved permits.

TEC Professional Services Questionnaire

Name & Title:

Melanie B. Caillouet, P.E.
Environmental Engineer

Project Assignment:

Project Engineer / Project Manager

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: 19

Education: Degree(s)/Year/Specialization:

BS / 2002 / Environmental Engineering

Active registration: Year first registered/discipline:

2007 / Professional Environmental Engineer / LA License No. 32936

Other experience and qualifications relevant to the proposed Project:

Ms. Melanie Caillouet is an engineer specializing in sewer, water, and minor pavement design. Ms. Caillouet has completed several sewer lift station rehabilitation projects extending from simple wetwell recoating projects to complete replacements of all equipment and aboveground piping. Ms. Caillouet is also well versed in inflow/infiltration analysis and remediation efforts. Additionally, Ms. Caillouet assists in environmental projects including environmental site assessments, permitting, monitoring, testing, and reporting. She has expertise in wetland issues, mitigation matters, and Davis-Bacon and Related Acts (DBRA) compliance. As an environmental engineer, she assists in project development by addressing permitting, wetland mitigation, and regulatory issues. Working closely with property and project owners, she obtains U.S. Army Corps of Engineers (USACE) 404 permits, Louisiana Department of Natural Resources (LDNR) permits, Louisiana Department of Environmental Quality (LDEQ) water and wastewater National Pollutant Discharge Elimination System (NPDES) permits, and Louisiana Department of Transportation and Development (LDOTD) permits. In addition, she aids in the preparation of plans and specifications for grant compliance and assists during construction administration involving DBRA requirements. Ms. Caillouet has worked with the Coastal Protection and Restoration Authority (CPRA) for construction administration tasks that included DBRA requirements. She is also proficient in grant application and administration services for Community Development Block Grant (CDBG), Clean Water State Revolving Fund (CWSRF), Drinking Water State Revolving Fund (DWSRF), Louisiana Capital Outlay, and several smaller grant programs. In addition to assisting on civil projects, she also acts as Project Manager on many others and is the engineer on most of Providence's sewer, water, and sidewalk projects.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Melanie B. Caillouet, P.E. (continued)

Project Manager / Permitting: *Comeaux Drive Sewer Relocation and Lower Catherine Street Lift Station Renovation, Lockport, Lafourche Parish, LA.* This project consisted of the design, bidding, and construction administration of new gravity sewer lines to the Lower Catherine Street lift station, installed in the middle of the road and the abandonment of the existing mains located at the rear of the properties. Lift station improvements included installation of a new generator, two, 700 gpm self-priming pumps (2 million gallons per day (MGD)) and motors, pump control panel and wiring. The construction included 2,417 linear feet of 8-inch PVC gravity sewer, 220 linear feet of 12-inch PVC gravity sewer, 3-inch PE force main, and fifty-five, 6-inch sewer service tie-ins to serve 98 properties. Road construction was required to replace an entire lane and overlay the remaining lane. Providence's responsibilities included surveying, engineering design, plans/specifications, permitting, mechanical, electrical, construction cost estimating, construction administration and quality assurance.

Permitting: *Village East Sewer Lift Station Renovations, Terrebonne Parish, LA.* This project included the design, bidding, and construction of the renovations of the existing Village East Sewer Lift Station consisting of a dry pit and two wet wells. The work included the following: removal of the existing centrifugal pumps with associated piping in the dry pit and the existing concrete cover slab; filling the dry pit with sand and abandoning in-place; modifying one wet well to house two new submersible pumps and associated discharge piping while using the second wet well for additional storage capacity. The renovated lift station has a new concrete cover slab with a perimeter aluminum ornamental fence and brick columns. The pumping control system re-used the existing pump control panel with new electrical equipment. Site work consisted of installing new sewer pipe and tie-ins to existing sewer force mains, a limestone drive and other related items.

Project Manager / Permitting / Grant Manager: *Ashland Wetland Assimilation Discharge System, Terrebonne Parish, LA.* The project consisted of the design, bidding, and installation of approximately 1,620 linear feet of 24-inch-diameter discharge pipe by horizontally directional drill method, and 3,470 linear feet of 24-inch distribution pipe and 75 linear feet of ductile iron pipe at the discharge points by open cut. The discharge system included a precast concrete weir box/vault with flow meter, valves, fittings, and associated piping. The site work consisted of a concrete slab, limestone surface, timber-bridge with access fill, clearing and grubbing for a 4-wheel access pathway, site grading, and other items of related work.

Project Manager / Project Engineer / Permitting: *Lafayette Street Area Sewer Gravity Main Replacement, Terrebonne Parish, LA.* This project consisted of the replacement of seven blocks of sewer gravity mains with associated manholes and sewer services and the replacement of three manholes with waterline conflicts to eliminate those conflicts. Due to an on-going LDOTD overlay project, this project was divided in two with the first portion being installed by the LDOTD contractor and the remaining portion to be bid by Terrebonne Parish Consolidated Government.

Project Manager / Project Engineer / Permitting: *Coteau Holding Basin Sewer Force Main Replacement, Terrebonne Parish, LA.* The project consisted of the design, bidding, and replacement of approximately 1,200 linear feet of existing 8-inch-diameter PVC sewer discharge force main from the Coteau/Bayou Blue Sewer Lift Station with 1,200 linear feet of new, 14-inch-diameter PE sewer force main using horizontal direction drilling, replacement of the 90 degree connection on the west end of the new PE pipe with two 45 degree elbows, and replacement of the 8-inch pipe from the east end of the new PE pipe with 14-inch PVC up to the existing 8-inch by-pass tee. This project included the boring of PE sewer force main in a wetland area that was minimized for the least amount of impacts to the environment.

Project Manager / Project Engineer / Permitting / Grant Manager: *Lockport Sewer Rehabilitation-Phase I-IV, Lafourche Parish, LA.* The project consisted of the design, bidding, and construction of repairing the sources of inflow and infiltration in the gravity sewer system in the Town of Lockport where determined during CCTV inspections. Several areas of the gravity mains had to be repaired due to damage that could not be fixed insitu. All gravity sewer mains in the Town were lined with Cast-In-Place pipe and the manholes coated with a polyurea system. In addition, over twenty sewer services were videoed from the main to the property to determine if repairs were required. Any repairs noted in the videos were corrected. Some of the sewers were also lined.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Daniel Martin
Senior CADD Technician

Project Assignment:

CADD Specialist

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: 43

Education: Degree(s)/Year/Specialization:

1975 / Drafting

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Daniel Martin has more than 40 years of experience as a Design Draftsman, working closely with design plans, and graphic presentation of complex items having distinctive design features that differ significantly from established drafting precedents. Mr. Martin analyzes effects of changes on the details of form, function, and positional relationships of components and parts. He is responsible for the preparation of construction drawings, including transferring field notes onto work drawings. He is also experienced in cost estimating and material takeoffs. Mr. Martin has also gained valuable field experience by working on a survey party for more than five years. He has completed courses in computer science, CAD and AutoCAD and is experienced in electronic plan preparation. He also has experience in operating Autocad Civil3d to create civil plans for water, gas, and drainage utilities. Mr. Martin specializes in CAD drafting of utilities, mainly sewer, water, and gas systems.

Drafting/CAD: *South Central Planning and Development Commission (SCPDC), Comeaux Drive Sewer Relocation and Lower Catherine Street Lift Station Renovation, Lafourche Parish, LA.* Design and construction administration of new gravity sewer lines to the Lower Catherine Street lift station, installed parallel to existing ones. Lift station included new generator installation. Project also includes installation of two 700, gpm self-priming pumps (2 MGD) and motors, pump control panel and wiring, 2,417 linear feet of 8-inch PVC gravity sewer, 220 linear feet of 12-inch PVC gravity sewer, 3-inch PE force main, and fifty-five, 6-inch sewer service tie-ins to serve 98 properties. Included LCDBG application assistance, surveying, engineering design, plans/specifications, permitting, mechanical, electrical, construction cost estimating, construction administration and quality assurance.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Westside Boulevard Major Sewer Lift Station, Parish Project No. 10-SEW-94, Terrebonne Parish, LA.* Design of a major lift station to serve the expanding commercial area along Martin Luther King Boulevard and Westside Boulevard. Pump station designed and sized for vertical submersible pumps with an ultimate capacity of 4,000 gpm (5.8 MGD) and initial capacity of 2,000 gpm. Hydraulic analysis was conducted for new pump sizing. Also included electrical design for controls and SCADA/telemetry system. A master layout was prepared to assist in long-term planning for future expansion.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Daniel Martin (continued)

Drafting/CADD: *Disposal Plant and Willow Street Sewer Lift Station Renovations, Parish Project No. 10-SEW-44, Terrebonne Parish, LA.* The project included the design, bidding, and re-construction and renovations including the removal of current building and all aboveground piping, cleaning, coating, and reconfiguration of the wetwell, installation of new 2,000 gpm (2.8 MGD) submersible pumps, along with renovation of two pumps to be submersibles. Services further entailed SCADA/telemetry design, hydraulic analysis for new pump sizing, design and installation of electrical controls with hook-ups for emergency power and all related work.

Drafting/CADD: *Dickson Road and Roland Sewer Lift Station Improvements, South Coast Industrial Area, Parish Project No. 10-EDA-30, Terrebonne Parish, LA.* Scope of work included design and bidding services, and construction administration for the construction of gravity and force main sewer system lines from Dickson Road to the intersection of Thompson Road and Denley Road. System lines entailed installation of two sewer lift stations (Dickson and Roland) with submersible pumps and over 8,000 linear feet of force main using conventional bore, tunneling, and open cut methods. Related work included sewer manholes, air release valves, fittings, and tie-in to the existing manhole, as well as associated items.

Drafting/CADD: *Ashland Major Sewer Force Main Construction, Task 3, Parish Project No. 06-SEW-14, Terrebonne Parish, LA.* Provided drafting support for the design of a new, 16,200-foot sewer force main to tie into the newly constructed Ashland Major Sewer Lift Station, which discharges into the South Terrebonne Wastewater Treatment Plant south of St. Louis Canal. The pipeline was installed by both open cut and horizontal directional bore methods. Thirty-inch diameter polyethylene (PE) was used for the horizontal directional bores. The project also included 30-inch-diameter air release valves, and ductile iron pipe and fittings to complete tie-ins.

Drafting/CADD: *Westside Boulevard Phase 2 (Westside Boulevard to North Terrebonne Wastewater Treatment Plant), Parish Project No. 99-EXT-58, Terrebonne Parish, LA.* Provided drafting assistance for the design of a sewer force main from East Park Avenue at Westside Boulevard to the intake manifold at the North Terrebonne Wastewater Treatment Plant. Project also included the installation of approximately 6,130 linear feet of 18-inch diameter sewer force main pipe installed by horizontal directional drilling and conventional bore, along with air release valves, fittings, and tie-ins to the existing 12-inch sewer force main pipe and treatment plant intake manifold.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Redirect Sewer Force Main James Road to Patriot Point Sewer Lift Stations and Replace Pile Bents at S.T.W.W.T.P., Terrebonne Parish, LA.* The project consists of two project sites: 1. The construction of 2,200 linear feet of 6-inch diameter sewer force main from the James Road Sewer Lift Station to the Patriot Point Sewer Lift Station. The replacement of four existing timber pile bents with new concrete pile bents for three aerial sewer force mains and the replacement of the existing 18-inch PCC sewer force main pipe with 18-inch ductile iron pipe (complete) crossing Bayou Chauvin adjacent to Ashland Landfill Road at the South Terrebonne Wastewater Treatment Plant.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Re-Routing of the Village East Sewer Lift Station Force Main, Terrebonne Parish, LA.* Construction of the sewer force main from the renovated Village East Sewer Lift Station to an existing sanitary sewer brick manhole at Bayou Chauvin. The work consisted of installing approximately 2,660 linear feet of 12-inch-diameter sewer force main pipe by directional bore and open cut methods using Polyethylene (PE), Fusible Polyvinylchloride (FPVC), and/or C-900, PVC Bell and Spigot pipe along with valves, fittings and tie-ins to existing 12-inch A.C. pipe, C-900 pipe, and a brick manhole, along with site grading and any other incidental work.

Drafting/CAD: *Town of Lockport, Lockport Sewer Rehabilitation-Phase I-IV, Lafourche Parish, LA.* Work consisted of repairing the sources of inflow and infiltration in the gravity sewer system in the Town of Lockport where determined during CCTV inspections. These repairs included, cast-in-place pipe, coating of manholes and point repairs. Replacement of pipe using open cut methods, and other required items of work in connection therewith, may be required if mechanical cleaning damages existing sewer gravity mains. Some road replacement will be required where open cut replacements are made within the roadway.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Terral J. Martin, Jr., P.L.S.
Survey Manager

Project Assignment:

Land Surveyor / Survey Manager

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: 23

Education: Degree(s)/Year/Specialization:

BS / 2008 / Applied Sciences in Geomatics
AOS / 1997 / Civil Drafting and Design

Active registration: Year first registered/discipline:

2009 / Professional Land Surveyor / LA License No. 5030
2011 / Professional Land Surveyor / MS License No. 3224
2013 / Professional Land Surveyor / TX License No. 6421

Other experience and qualifications relevant to the proposed Project:

Mr. Terral Martin has extensive experience in computing and compiling surveys for local government and state agencies. Mr. Martin has worked with many government entities including, but not limited to, LDOTD, U.S. Army Corps of Engineers, and U.S. Navy (Belle Chasse Air Base) on multiple surveying projects that included: compiling survey data in many formats, using field data to complete procedures, performing survey calculations, courthouse research, preparing field rolls, plotting plan and profile sheets, preparing servitude and legal documents, 3D modeling, and mapping. Mr. Martin has considerable expertise in topographic surveys, boundary surveys, route surveys, hydrographic and pipeline surveys, right-of-way and construction surveys. As department manager, he is responsible for scheduling and oversight of all field and office work.

Land Surveyor: *Ashland Major Sewer Lift Station, Houma, Terrebonne Parish, LA.* Boundary, topographic and construction layout for the sewer lift station site. Station houses three, new 5,000 gpm submersible pump stations with associated piping.

Land Surveyor: *Westside Boulevard Major Sewer Lift Station, Houma, Terrebonne Parish, LA.* Boundary and topographic surveying for design of a major lift station to serve the expanding commercial area along Martin Luther King Boulevard and Westside Boulevard. The pump station was designed and sized for vertical submersible pumps with an ultimate capacity of 4,000 gpm (5.8 MGD) and initial capacity of 2,000 gpm. Hydraulic analysis was conducted for new pump sizing. Also included in the project was the electrical design for controls and SCADA/telemetry system. A master layout was prepared to assist in long-term planning for future expansion.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Terral J. Martin, Jr., P.L.S. (continued)

Land Surveyor: *Village East Sewer Lift Station Renovations, Houma, Terrebonne Parish, LA.* Topographic site survey for design, bidding, and renovations to the existing lift station consisting of a dry pit and two wetwells. Modification of one wetwell to house two new 5,000 gpm submersible pumps (14.4 MGD) and associated discharge piping while using the second wet well for additional storage capacity was included in the project. The project also included permitting, hydraulic analysis, new electrical equipment, installation of new sewer pipe and tie-ins to existing sewer force mains, new concrete slab, fencing and other related items.

Land Surveyor: *Comeaux Drive Sewer Relocation and Lower Catherine Street Lift Station Renovation, Lockport, Lafourche Parish, LA.* Design of new gravity sewer lines installed parallel to existing ones. Project also includes installation of two 700 gpm self-priming pumps (2 MGD) and motors, pump control panel and wiring, 2,417 linear feet of 8-inch PVC gravity sewer, 220 linear feet of 12-inch PVC gravity sewer, 3-inch PE force main, and 55 6-inch sewer service tie-ins to serve 98 properties.

Land Surveyor: *Re-Routing of Village East Sewer Lift Station Forcemain, Terrebonne Parish, LA.* The project consisted of the design, bidding, and construction of the sewer force main from the renovated Village East Sewer Lift Station to an existing sanitary sewer brick manhole at Bayou Chauvin. The work consisted of installing approximately 2,660 linear feet of 12-inch-diameter sewer force main pipe by directional bore and open cut methods using Polyethylene (PE), Fusible Polyvinylchloride (FPVC), and/or C-900, PVC Bell and Spigot pipe along with valves, fittings, and tie-ins to existing 12-inch A.C. pipe, C-900 pipe, and a brick manhole, along with site grading and any other incidental work.

Land Surveyor: *Ashland Major Sewer Force Main, Task 3, Houma, Terrebonne Parish, LA.* Topographic route survey and construction layout design and construction administration of new, 16,200-foot sewer force main tying into the newly constructed Ashland Major Sewer Lift Station which discharges into the South Terrebonne Wastewater Treatment Plant south of St. Louis Canal. Pipeline was installed by both open cut and horizontal directional bore methods. Thirty-inch diameter polyethylene (PE) was used for horizontal directional bores.

Land Surveyor: *Lockport Sewer Rehabilitation-Phase I-IV, Lafourche Parish, LA.* The project consisted of the design, bidding, and construction of repairing the sources of inflow and infiltration in the gravity sewer system in the Town of Lockport where determined during CCTV inspections. Several areas of the gravity mains had to be repaired due to damage that could not be fixed insitu. All the gravity sewer mains in the Town were lined with Cast-In-Place pipe and all the manholes coated with a polyurea system. In addition, over twenty sewer services were videoed from the main to the property to determine if repairs were required. Any repairs noted in the videos were corrected. Some of the services were also lined. By surveying all the manholes in Town, an updated set of master record drawings were developed for future use.


Land Surveyor: *Dickson Road Sewer Improvements, Southcoast Industrial Area, Houma, Terrebonne Parish, LA.* Topographic site survey and preparation of right-of-way plats and descriptions for design and construction of gravity and force main sewer system lines. Other project items include installation of two sewer lift stations with submersible pumps and over 8,000 linear feet of force main using conventional bore, tunneling, and open cut methods.

Land Surveyor: *Terrebonne Parish Consolidated Government, New Shrimper's Row Drainage Pump Station (D-11), Lower Grand Caillou, Parish Project No. 10-CDBG-R-34, Terrebonne Parish, LA.* Design of a new, four-bay pre-cast concrete pump station substructure and access bridge together with excavation and embankment, steel sheetpile bulkhead, steel discharge piping, discharge support bents, pre-engineered metal building, two new 36-inch diameter pumps and engines, by-pass pipes and motorized control gates, one 4,000 gallon double wall fuel tank, concrete sump, demolition of old pump station, back-up generator power, telemetry/SCADA system and related work. CDBG-funded.

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

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Westside Blvd. Major Sewer Lift Station</p> <p>Terrebonne Parish, LA</p> <p>Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361</p> <p>Gregory Bush (985) 873-6539</p>	<p>The main items of the lift station consisted of installing a wetwell with the capacity to contain three 4,000 gpm submersible pumps/bays and associated piping, valves, and fittings (two in this project and one future), power and control panels with external VFD's, an enclosed emergency generator with a self-contained diesel tank, and a 30-foot self-supporting antenna. The site work consisted of installing two sanitary sewer manholes, gravity, and force main sewer pipes to the wetwell, a tie-in to the existing sewer manhole, along with a perimeter aluminum ornamental fence with gates and brick columns, concrete pavement and drive, site grading and other items of related work.</p> <div style="text-align: center; margin-top: 20px;">  </div>	
Completion Date (Actual or Estimated):	Estimated Cost <i>(in thousands):</i>	
	Entire Project:	Work for which Firm was Responsible:
2013 (A)	\$1,536	\$183

TEC Professional Services Questionnaire

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Comeaux Drive Sewer Relocation and Lower Catherine Street Sewer Lift Station</p> <p>Lafourche Parish, LA</p> <p>Town of Lockport 710 Church Street Lockport, LA 70361</p> <p>Edward Reinhardt (985) 532-3117</p>	<p>Work consisted of furnishing all labor, equipment and materials necessary for the installation of 2,417 linear feet of 8-inch PVC gravity sewer, 220 linear feet of 12-inch PVC gravity sewer, 62 linear feet of 3-inch PE force main and fifty-five 6-inch sewer service tie-ins to serve ninety-eight properties along Comeaux Drive; construction of asphaltic concrete overlay after required patching on Comeaux Drive; and renovations to the Lower Catherine Street Sewer Lift Station, which included recoating the wetwell, furnishing and installing two self-priming pumps and motors, pump control panel and associated power and control wiring for a 480V, 3Ø, 4W, 200AMP service. Modifications were necessary to change the existing 120/240V service to 277/480V.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or Estimated):	Estimated Cost <i>(in thousands)</i> :	
	Entire Project:	Work for which Firm was Responsible:
2011 (A)	\$1,131	\$112

TEC Professional Services Questionnaire

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Sewer Standard Details Terrebonne Parish, LA Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361 Gregory Bush (985) 873-6539	The development a set of standard details for the construction of gravity sewers in Terrebonne Parish. These standards were adopted for use in private developments as well as capital projects for the Parish.	
Completion Date (Actual or Estimated):	Estimated Cost <i>(in thousands):</i>	
	Entire Project:	Work for which Firm was Responsible:
2016 (A)	N/A	\$8

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Ashland Wetland Assimilation Discharge System Houma, LA Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361 Gregory Bush (985) 873-6841	<p>The scope of the work consisted of installing approximately 1,620 linear feet of 24-inch diameter discharge pipe by horizontally directional drill method, and 3,470 linear feet of 24-inch distribution pipe and 75 linear feet of ductile iron pipe at the discharge points by open cut. Five discharge points are valved so the flow can be controlled and directed to wetlands that need more fresh water and nutrients.</p> <p>The discharge system included a precast concrete weir box/vault with flow meter, valves, fittings and associated piping. The site work consisted of a concrete slab, limestone surface, timber-bridge with access fill, clearing and grubbing for a 4-wheel access pathway, site grading, and other items of related work.</p>	
Completion Date (Actual or Estimated):	Estimated Cost <i>(in thousands):</i>	
	Entire Project:	Work for which Firm was Responsible:
2017 (A)	\$2,188	\$437



TEC Professional Services Questionnaire

PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Lockport Sewer Rehabilitation- Phases I-IV Lockport, LA Town of Lockport 710 Church Street Lockport, LA 70374 Edward Reinhardt (985) 532-3117	Work consisted of repairing the sources of inflow and infiltration in the gravity sewer system in the Town of Lockport where determined during CCTV inspections. These repairs included, but were not limited to, cast-in-place pipe, coating of manholes, and point repairs. Replacement of pipe using open cut methods, and other required items of work in connection therewith, were required in some areas. Some road replacement was also required where open cut replacements were made within the roadway.	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2019 (A)	\$4,000	\$1,000

PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Southdown Sewer Holding Basin No. 2 Aerators and Electrical Modifications Houma, LA Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361 Gregory Bush (985) 873-6541	The project consisted of the relocation of existing aerators, installation two new aerators, and construction of a pre-engineered metal building to house new electrical components, and other items of work in connection therewith.	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2014 (A)	\$282	\$44



TEC Professional Services Questionnaire

PROJECT NO. 7

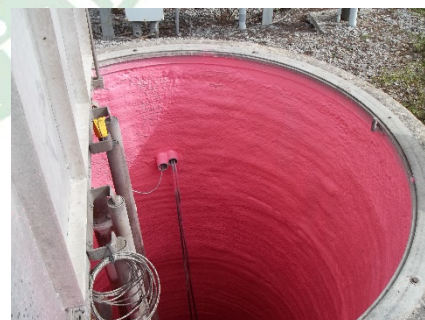
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Coteau Holding Basin Sewer Force Main Replacement Terrebonne Parish, LA Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361 Gregory Bush (985) 876-6541	The project consisted of replacing approximately 1,200 linear feet of existing 8-inch-diameter PVC sewer discharge force main from the Coteau/Bayou Blue Sewer Lift Station with 1,200 linear feet of new 14-inch diameter PE sewer force main using horizontal direction drilling, replacing a 90 degree connection on the west end of the new PE pipe with two 45-degree elbows, and replacing the 8-inch pipe from the east end of the new PE pipe with 14-inch PVC up to the existing 8-inch by-pass tee according to construction documents together with other associated items of work.	
Completion Date (Actual or Estimated):	Estimated Cost <i>(in thousands):</i>	
	Entire Project:	Work for which Firm was Responsible:
2018 (A)	\$260	\$49

PROJECT NO. 8

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Recoating of Ten Sewer Lift Stations St. Mary Parish, LA St. Mary Parish Water and Sewer Commission No. 2 P. O. Box 635 Patterson, LA, 70392 Chris Cooper (985) 395-2747	St. Mary Parish Water and Sewer Commission No. 2 is responsible for ten sewer lift station (SLS) throughout the village of Bayou Vista. Four of the SLSs have aboveground pumps while the other six are submersible pump stations. The wetwells were coated using an epoxy coating that began to fail after about 10 years in service. This project removed the epoxy coating, made any repairs necessary and then recoated with a polyurea coating system.	
Completion Date (Actual or Estimated):	Estimated Cost <i>(in thousands):</i>	
	Entire Project:	Work for which Firm was Responsible:
2020 (A)	\$191	\$26



Before



After

TEC Professional Services Questionnaire

PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Lafayette Street Area Sewer Gravity Main Replacement Terrebonne Parish, LA Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361 Gregory Bush (985) 876-6541	This project consisted of the replacement of seven blocks of sewer gravity mains with associated manholes and sewer services and the replacement of three manholes with waterline conflicts to eliminate those conflicts. Due to an on-going LDOTD overlay project, this project was segregated into two parts with the first portion being installed by the LDOTD contractor and the remaining portion was bid by Terrebonne Parish Consolidated Government.	
Completion Date (Actual or Estimated):	Estimated Cost <i>(in thousands)</i> :	
	Entire Project:	Work for which Firm was Responsible:
2018 (A)	\$2,004	\$343

PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Gum Street Sewer Lift Station Terrebonne Parish, LA Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361 Gregory Bush (985) 873-6541	The project consisted of, but was not limited to, renovating this three-level (ground level, sublevel 1, and sublevel 2) sewer lift station by adding to the motor control center, adding a 4th pump, modifying the control panel, replacing the generator and automatic transfer switch, installing a limestone driveway, adding by-pass pumping fittings, replacing doors, adding a door, and modifying louvers.	
Completion Date (Actual or Estimated):	Estimated Cost <i>(in thousands)</i> :	
	Entire Project:	Work for which Firm was Responsible:
2016 (A)	\$107	\$925



TEC Professional Services Questionnaire

M. List all prior and/or ongoing litigation between Firm and Jefferson Parish. Please attach additional pages, if necessary.

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

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

Providence is a full-service engineering consulting firm with a team of experienced professional engineers and support staff possessing exceptional credentials. We have professionals with decades of experience solving engineering challenges unique to the Gulf Coast and South Louisiana region, as well as many young engineers fully trained in the latest technology and software available. Our firm and its predecessors have provided engineering and architectural services in Louisiana, Mississippi, and Texas for over 67 years and we have provided engineering and design services for many sewer projects.



Providence has extensive experience in civil engineering, including design, permitting, environmental services, and construction administration for multiple types of projects including sewerage, utilities, roadways, and others. Our clients include many federal and state agencies as well as many Louisiana parishes. Our client list includes, but is not limited to, the following:



Providence has the stability, sustainability, and experience to support **Jefferson Parish** and provide immediate engineering, surveying, and/or environmental assistance as needed. With nearly 100 employees, our team of professionals represents a broad spectrum of disciplines, including civil, structural, electrical, and environmental. The professionalism, technical abilities, and commitment to quality of our multidisciplinary team enable us to serve our clients with the highest degree of expertise and project support.

Professional Experience

Providence recognizes the importance of hiring the best professionals in the field to provide our clients with exceptional service. Key personnel proposed for this project are well known throughout Louisiana and have considerable experience working on sewer projects. They also have solid relationships with state and federal agencies potentially associated with this project.

The Providence team is eager and prepared to provide **Jefferson Parish** with high quality deliverables, such as sewer design plans, specifications, bid documents, construction administration, technical reports, and progress reports.



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)*

Providence has ample staff to handle our current workload and complete projects under this contract in a timely manner. Our engineers and their support staff are continually developing innovative ways to achieve client goals while staying within budget and meeting critical deadlines.

We pride ourselves on consistently turning over high-quality deliverables in a timely manner. Our firm is also comfortable handling fast-paced and sometimes controversial projects along with those having tight deadlines.

Quality Assurance

For Providence, quality and attention to detail are paramount. Our quality assurance and quality control program ensures projects fulfill predetermined requirements, can be physically accomplished as designed in the specified time given, and bid reasonably within the engineer's estimate. Quality is further achieved by individuals performing work functions carefully and conforming their efforts to project requirements under standardized field and office procedures. Both the originator of the work and the person responsible for checking the work are identified. A series of reviews occurs at various project stages to determine if project development meets the project requirements.

Our firm can and will meet any reasonable period of performance required by this project. Moreover, Providence prides itself on delivering quality results that are on schedule and minimize or eliminate cost escalations and overruns through use of project work plans, proactive communication skills, and teamwork.

Past Performance

Providence has considerable experience in the planning, design, and construction administration of sewer projects. Below is a list of representative projects we have completed and/or are currently working on. These include those projects outlined in more detail in Section 8 of the Jefferson Parish Questionnaire:

- Westside Blvd. Major Sewer Lift Station
- Comeaux Drive Sewer Relocation and Lower Catherine Street Sewer Lift Station
- Sewer Standard Details
- Ashland Wetland Assimilation Discharge System
- Lockport Sewer Rehabilitation Phases I - IV
- Southdown Sewer Holding Basin No. 2 Aerators and Electrical Modifications
- Coteau Holding Basin Sewer Force Main Replacement
- Redirect Sewer Force Main - James Road to Patriot Point Sewer Lift Stations and Replace Pile Bents at S.T.W.W.T.P.
- Lafayette St. Area Sewer Gravity Main Replacement
- Gum Street Sewer Lift Station

Location

Providence employs a staff of engineers and support personnel with an office in Jefferson Parish at 2200 Veterans Boulevard, Suite 102, Kenner, Louisiana. In addition, we have neighboring offices in Baton Rouge and Houma to provide additional resources as needed. Our local presence in Jefferson Parish and extensive knowledge of the area brings added value to our team.

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)

Prior Success

Providence has previously provided extensive engineering services to Jefferson Parish. We look forward to continuing a relationship with Jefferson Parish. Below is a list of projects that Providence has provided engineering services for in Jefferson Parish:



- Hero Drainage Pump Station
- 18th St. Drainage - Metairie
- Upstream Drainage Improvements
- Hero Pump Station Switchgear
- New York Avenue Improvements (West Metairie Avenue To Van Buren Avenue), Paving, Drainage, Water, And Sewer Improvements
- Sewer Minisystems East of Harvey Canal
- Bainbridge Waterline
- Elmwood Pump Station No. 3 - Automatic Transfer Switch
- Sewer Minisystems East of Harvey Canal
- District 4 ISTEBA Beautification Projects Along I-10
- District 5 ISTEBA Beautification Projects - Median & Right of Way Planting @ Earhart, Clearview, Airline Park
- District 6 ISTEBA Beautification Projects
- Jefferson Highway Crossing at Upstream St. Permit Coordination
- Edenborn Drainage Improvements
- 18" Waterline from Veterans to 25th St. Ditch
- 18th St. Drainage Modification Re-work
- West Esplanade/No. Labarre Road Intersection Improvements
- West Metairie Avenue/Haring Road Intersection Improvements
- Installation and/or Removal of Fire Hydrants and Water Valves on the East Bank of Jefferson Parish

We are currently providing construction administration services for Oakwood Smart Growth – Hector Avenue Improvements.

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

Signature:

Print Name: Gary Leonards, P.E.

Title: Principal-In-Charge

Date: May 26, 2021

**PROVIDENCE ENGINEERING AND
ENVIRONMENTAL GROUP LLC**

**STATEMENT OF QUALIFICATIONS
AFFIDAVIT**

Statement of Qualifications

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF East Baton Rouge

BEFORE ME, the undersigned authority, personally came and appeared: Aimee

R. Killeen, (Affiant) who after being by me duly sworn, depose and said that
he/she is the fully authorized Company Manager of Prudence Engineering and Environmental Group, LLC (Entity), LLC

the party who submitted a Statement of Qualifications (SOQ) to provide design, bidding and construction
administrative services for Rehabilitation of Transcontinental
and Belle Light Station (ES-1). (Briefly describe the services the SOQ
will cover), to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required
attachment):

Choice A ☒

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B ☐

there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B ✓ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

Solicitation of Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all elected officials of the Parish of Jefferson, whether still holding office at the time of the affidavit or not, where the elected official, individually, either by **telephone or by personal contact**, solicited a campaign contribution or other monetary consideration from the Entity, including the Entity's officers, directors and owners, and employees owning twenty-five percent (25%) or more of the Entity, during the two-year period immediately preceding the date the affidavit is signed. Further, to the extent known to the Affiant, the date of any such solicitation is included on the attached list.

Choice B ✓ there are **NO** solicitations for campaign contributions which would require disclosure under Choice A of this section.

Affiant further said:

Subcontractor Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A



Affiant further said that attached is a listing of all subcontractors, excluding full time employees, who may assist in providing professional services for the aforementioned SOQ.

Choice B

There are **NO** subcontractors which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Aimee R Killean

Signature of Affiant

Aimee R Killean

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 26 DAY OF May, 2020.

George Mcknight
Notary Public

Georgen McKnight
Printed Name of Notary

10922
Notary/Bar Roll Number



My commission expires At Death.

JEFFERSON PARISH CAMPAIGN CONTRIBUTIONS

DATE	CAMPAIGN	AMOUNT
1/9/2018	Gregory W. Carroll Campaign Fund / 2018 Campaign	\$300
2/6/2018	Kristi McKinney Campaign/ 2018 Campaign	\$250
2/6/2018	Kristi McKinney Campaign/ 2018 Campaign	\$250
3/12/2018	Ben Zahn Campaign / 2018 Campaign	\$500
5/9/2018	Committee to Elect Jennifer Van Vrancken / 2018 Campaign	\$500
5/15/2018	Committee to Elect Ricky Templet / Reception for May 2018	\$250
5/15/2018	Committee to Elect Ricky Templet / Reception for May 2018	\$250
11/14/2018	Committee to Elect Jennifer Van Vrancken / 2018 Campaign	\$500
11/14/2018	Committee to Elect Jennifer Van Vrancken / 2018 Campaign	\$500
12/19/2018	Ben Zahn Campaign / 2018 Campaign	\$250
12/19/2018	Ben Zahn Campaign / 2018 Campaign	\$250
12/19/2018	George Branigan Campaign / 2018 Campaign	\$250
12/19/2018	George Branigan Campaign / 2018 Campaign	\$250
3/13/2019	Committee to Elect Cynthia Lee-Sheng / 2019 Campaign	\$250
3/13/2019	Committee to Elect Cynthia Lee-Sheng / 2019 Campaign	\$250
5/15/2019	Glenn Hayes, Sr. Campaign / 2019 Campaign	\$100
5/15/2019	Glenn Hayes, Sr. Campaign / 2019 Campaign)	\$100
12/12/19	Mike Sigur Campaign	\$300

<u>Subcontractors:</u> <i>To be attached to Affidavit</i>	
Subcontractor Name	Type of Services
Marrero, Couvillon & Associates, LLC	Electrical and Mechanical
BFM Corporation, LLC	Survey
Gulf South Engineering and Testing, Inc.	Geotech

**PROVIDENCE ENGINEERING AND
ENVIRONMENTAL GROUP LLC**

CERTIFICATE OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/13/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Arthur J. Gallagher Risk Management Services, Inc. 235 Highlandia Drive, Suite 200 Baton Rouge LA 70810	CONTACT NAME: Ashley Kennard PHONE (A/C, No, Ext): 225-906-0114 E-MAIL ADDRESS: Ashley_Kennard@ajg.com		FAX (A/C, No): 225-292-3893
	INSURER(S) AFFORDING COVERAGE		
INSURED Providence Engineering and Environmental Group LLC 1201 Main St. Baton Rouge LA 70802	INSURER A: Louisiana Workers' Compensation Corp		NAIC # 22350
	INSURER B: Crum & Forster Specialty Insurance Co		44520
	INSURER C: Imperium Insurance Company		35408
	INSURER D: Colony Insurance Company		39993
	INSURER E:		
INSURER F:			

COVERAGES

CERTIFICATE NUMBER: 382345028

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> 25,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			EPK135031	4/13/2021	4/13/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 250,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
C	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			ILR180129102	4/13/2021	4/13/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B D	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			EFX117594 EXO4257963	4/13/2021 4/13/2021	4/13/2022 4/13/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	139075D	4/13/2021	4/13/2022	PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B A	Professional Liability WC Multi State			EPK135031 MWC117027 10	4/13/2021 4/13/2021	4/13/2022 4/13/2022	Prof Ea Act/ Aggregat \$1Mil/ \$2Mil WC Multi-State \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

See Attached...

CERTIFICATE HOLDER

CANCELLATION

Sample

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ADDITIONAL REMARKS SCHEDULE

AGENCY Arthur J. Gallagher Risk Management Services, Inc.		NAMED INSURED Providence Engineering and Environmental Group LLC 1201 Main St. Baton Rouge LA 70802	
POLICY NUMBER		EFFECTIVE DATE:	
CARRIER	NAIC CODE		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

Blanket Additional Insured provided if required by written contract with respects to General Liability form #EN0350-0217 & EN0351-0217, Auto liability form CA0001 (10/13)

Blanket Waiver of Subrogation is provided if required by written contract with respects to General Liability Form EN0349-0217; Auto Liability form #CA0444(10/13) Workers Comp Form #WC000301A & (TX only) #WC420304A

Professional Liability is written on an Occurrence basis.

A \$1,000 Deductible per occurrence applies to Commercial General Liability.

A \$10,000 Deductible per Pollution Condition applies to Contractor's Pollution Liability

A \$25,000 Deductible per Claim applies to Errors & Omissions Liability

A \$10,000 Deductible Per Pollution Condition applies to Third Party Pollution & Onsite Cleanup.

Primary and Non-Contributory applies as respects to General Liability form EN0118-0211.

Workers Comp policy includes USL&H form

Umbrella is follow form and includes professional liability.

Maritime:

Company: Underwriters at Lloyd's London

Policy #GBAT00083 Policy term: 4/13/21 to 4/13/22 Limit \$1,000,000 any one person / \$1,000,000 any one accident because of bodily injury by accident or disease, combined single limit.

Deductible \$5,000

Maritime Endorsements include: In Rem Endorsement, Death on the High Seas Act Endorsement, Alternate Employer Endorsement, Blanket Waiver of subrogation if required by written contract.

PROFESSIONAL LIABILITY coverage applies Each Wrongful Act or series of Related Wrongful Acts

\$1,000,000 Each Wrongful Act, \$2,000,000 Annual Aggregate

\$25,000 Deductible Applies.

Pollution Liability - \$1,000,000

**PROVIDENCE ENGINEERING AND
ENVIRONMENTAL GROUP LLC**


LICENSES AND CERTIFICATIONS



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Gary Jules Leonards
1746 Ridgeland drive
Baton Rouge, LA 70810

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Gary Jules Leonards		
License/Certificate Type - Number	Expiration Date	
PE.0030568	03/31/2023	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

Fold Here

Cut Here

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

Disclaimer


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



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Ms. Melanie B. Caillouet
1297 St. Charles Street, Su
Houma, LA 70360

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Ms. Melanie B. Caillouet		
License/Certificate Type - Number	Expiration Date	
PE.0032936	03/31/2023	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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

Disclaimer


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



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Terral John Martin Jr.
168 Tutty Loop
Houma, LA 70363

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Terral John Martin Jr.		
License/Certificate Type - Number	Expiration Date	
PLS.0005030	03/31/2022	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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MARRERO, COUVILLON & ASSOCIATES, LLC.



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Rehabilitation of the Transcontinental & Belle Lift Station
Resolution No. 137449

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

Marrero, Couvillon & Associates, LLC.
3525 Hessmer Ave., Suite 304
Metairie, LA 70002

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:

Greg DeCoursey, AIA
Vice President
Project Manager/Architect
(504) 834-3448
gdecoursey@mca-llc.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.

Greg DeCoursey, AIA
Vice President
Project Manager/Architect
(504) 834-3448
gdecoursey@mca-llc.com

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

<u>3</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u>1</u> Architects (Licensed)	<u> </u> Geologists	<u>1</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u>1</u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u>4</u> Electrical Engineers	<u>4</u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> </u> Engineer Intern	<u> </u> Environmental Engineers	<u>2</u> Designers
<u> </u> Professional Land Surveyors	<u>1</u> CADD Operators	<u>1</u> Fire Protection Engineer
		<u>18</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.

2.

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

YES ☐ NO

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. See Prime Submittal		
2.		
3.		

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

4

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:

Gregory A. DeCoursey, AIA
Vice President, Project Manager

Project Assignment:

Project Manager

Name of Firm with which associated:

Marrero, Couvillon & Associates, LLC.

Years' experience with this Firm:

25

Education: Degree(s)/Year/Specialization:

B Arch / 1977 / Architecture M Arch/1982/Architecture

Active registration: Year first registered/discipline:

1980 / Architectural

Other experience and qualifications relevant to the proposed Project:

Mr. DeCoursey has served as Project Manager for Engineering Projects for the Louisiana Department of Transportation and Development and for other Public Works and Private Sector Commercial projects. A list of a few projects that Mr. DeCoursey is serving, or has served, as Project Manager on include:

- **Louis Armstrong New Orleans International Airport – New Terminal Design, Kenner, LA** – Mechanical, Electrical, Plumbing, and Fire Protection design for a new terminal that replaced the existing 60 year old Passenger Terminal Building. This project also included design services for related projects to relocate the existing Airfield Lighting Vault, and three radar stations.
- **U.S. 11 Bridge Over Lake Pontchartrain Rehabilitation - Orleans Parish** - Architectural and mechanical design for rehabilitation of two Operator's Houses at an existing bridge over Lake Pontchartrain. Work is being done as part of a larger bridge rehabilitation project. Design is sensitive to the historic nature of the bridge and Operator's Houses.
- **Gallier Hall, New Orleans, Louisiana** - MCA provided mechanical and electrical design services for recently completed updates to New Orleans' former City Hall. The main focus of MCA's scope for the project was replacement of most components of the building's HVAC systems.
- **Coroner Office Complex – New Building, New Orleans, Louisiana** - Design of the electrical systems, HVAC systems, plumbing systems, fire suppression systems for a two building facility which provides new quarters for the Coroner and EMS operations in the City of New Orleans. In the design of these facilities, it was necessary to accommodate the very rigorous needs of the specialized operations and equipment of the end users.
- **Festival Field, New Orleans, Louisiana** - City Park in New Orleans hosts several music festivals annually, including the large and popular Voodoo Fest. In addition to outgrowing their locations, these festivals required installation of temporary facilities for every event. The management of City Park decided to create a new, permanent location for festivals within the park, with new permanent infrastructure. This area also includes a soccer field, walking/running paths and a large pavilion for social gatherings. The design included a solar power installation on the pavilion, a rainwater harvesting system, and bio-swale wetland planting areas. MCA provided mechanical and electrical design for this project.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Robert Mejia, P.E. Sr. Electrical & Instrumentation Engineer
Project Assignment:
Sr. Electrical & Instrumentation Engineer
Name of Firm with which associated:
Marrero, Couvillon & Associates, LLC.
Years' experience with this Firm:
5
Education: Degree(s)/Year/Specialization:
Bachelor of Science/1987/Electrical Engineering
Active registration: Year first registered/discipline:
1993 / Electrical/Control Systems
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Mejia has over 32 years' experience with instrumentation, control systems, Safety Instrumented Systems (SIS) and SCADA equipment. He works closely with process specialists to categorize and design control systems to comply with current industry requirements as well as client specific requirements. He applies existing client specifications for control systems/SCADA and helps develop specifications when these do not exist. He is proficient with application of design practices promulgated by standards organizations such as ISA, NFPA, API, TIA/EIA and IEEE. Some of his recent experience includes:</p> <ul style="list-style-type: none"> • Jefferson Parish Public Works - Bayou Segnette Pump Station Upgrade, Westwego LA - Replace 6 diesel pump driver units. Interface skid mounted diesel engine controllers and gearbox instrumentation with existing Murphy Panels and Parish SCADA system. • St. Mary Government- Amelia Pump Station 2 and 2A, St. Mary Parish, LA – Installation of a 48" pump that will replace an existing 20" pump at the pumping station, a new pump house and associated power. Installation of new alternator control system to link new pump with existing 48" pump and stage/alternate operation of both pumps based on water level and operating sequence. • Cyprien Pumping Station Improvements, Lafourche Parish, LA – MCA provided the electrical engineering services for a pump station structure with three 48" axial flow pumps and a separate fuel tank structure. The existing pump station was removed in its entirety prior to construction of the new pump station. • Sewage and Water Board – EWWTP Effluent Pump Station Expansion, New Orleans, LA – MCA is providing electrical and instrumentation engineering for a new priming system at the effluent outfall, lowering the EPS system curve and its energy grade line and a new 1,000-hp pump at the EPS, similar in configuration and capacity to the two existing 1,000-hp pumps. MCA will also be providing electrical and instrumentation engineering for the modifications of the EPS pump discharge header to accommodate the new pump(s) and to allow improve the flow of the parallel effluent force mains. • City of New Orleans –Mirabeau Water Garden - A 25 acre site at Mirabeau Ave. and St. Bernard Ave. is being developed into a 9.5MM gallon surge stormwater retention site as part of the comprehensive New Orleans Water Plan. The facility will include a lift station building, water runnel feature, area lighting and plans for future buildings used for educational and assembly purposes. MCA is handling the Mechanical, Electrical and Plumbing design.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John Hamm, P.E. Sr. Electrical Engineer
Project Assignment:
Sr. Electrical Engineer
Name of Firm with which associated:
Marrero, Couvillon & Associates, LLC.
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1981 / Electrical Engineering
Active registration: Year first registered/discipline:
2004 / Electrical
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Hamm has over 38 years' experience in electrical engineering, design and construction assistance. His experience includes electrical distribution systems, medium voltage switchgear and breakers, transformers, 480-volt motor control centers, variable frequency drives, automatic transfer switches, uninterruptible power supplies, emergency generators, area classification evaluation, instrument specifying, PLC specifying, lighting design and commercial designs including lighting, communication, fire alarm and special system design. Project Experience Includes:</p> <ul style="list-style-type: none"> • Ascension Parish Pump Station – New Sewage Pump Stations - MCA was engaged in designing the electrical power, controls designs, and standby generator size for the pump load at each site. • East Baton Rouge City/Parish – Sanitary Overflow Program - Multiple Pump Stations – Highland Road – Kenilworth Pkwy. – Replacing 13 pump stations to alleviate SSO's at and near the pump stations and in the respective upstream basins. This will also provide capacity to handle predicted future peak wet weather flows. • Storm Drain Pump Station, Slidell and Metairie, LA - Power, instrumentation and controls system design for storm drain pumping stations. • New raw water pumping station – Morgan City, Louisiana - A new three pump platform to take water from the Atchafalaya River for the water plant at Morgan City, Louisiana. • Jefferson Parish Public Works - Bayou Segnette Pump Station Upgrade, Westwego LA - Replace 6 diesel pump driver units. Interface skid mounted diesel engine controllers and gearbox instrumentation with existing Murphy Panels and Jefferson Parish SCADA system. • Marvin J. Braud Pump Station, Gonzales, LA - MCA prepared the Electrical and Control Systems CDs for the expansion of the pumping station by adding Diesel Driven pump motors, a new line-up of 480 MCC, a new 480VAC 3 Phase power service, new lighting for the pump building, and emergency power generation (EPG) for miscellaneous electrical loads and another EPG for the critical life-safety electrical loads. MCA performed electrical engineering services for the installation of the addition of pump No. 6 driven by 1250 HP internal combustion engines.

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:	
Bayou Segnette Drainage Pump Station Jefferson Parish MCA is subconsultant to: Rahman & Associates, LLC 3645 Williams Blvd #208 Kenner, LA 70065	Electrical engineering services for Bayou Segnette Drainage Pump Station, Westwego, LA—Pump Station Improvements to Bayou Segnette Drainage Pump Station No. 1, including the replacement of 4—150 CFS pumps and 6 engines, the rehabilitation of 6 existing gear boxes and related ancillary work.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$3,500,000	\$700,000

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Multiple Pump Stations East Baton Rouge Parish East Baton Rouge City/Parish MCA Subconsultant to AECOM 8757 Woodway Dr., Suite 101 West Houston, TX 77057	Department of Public Works projects for the upgrade of multiple pump stations in the Highland Road/ Kenilworth area located in East Baton Rouge Parish. The project includes the upsizing of 9 pump stations and the construction of 2 pump stations to alleviate Sanitary Sewer Overflow at and near the pump stations and in respective upstream basins. The improvements will provide capacity to handle predicted future peak wet weather flows. The scope of work encompasses residential and commercial areas as well as Louisiana State University facilities. MCA was engaged in designing the electrical power, controls designs and standby generator size for the pump load at each site in accord with DPW standards. The scope of services includes: Investigations, Preliminary Design, Detailed Design, Bidding Services and Engineering Services During Construction	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017	\$30,000,000	\$7,000,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
East Bank Wastewater Treatment Plant Effluent Pump Station New Orleans, LA MCA is a subconsultant to: Greenpoint Engineering Amer Tufail, P.E. 701 Loyola Ave. New Orleans, LA 70113	MCA is providing electrical and instrumentation engineering for a new 1,000 HP, 36" pump at the EBWWTP Effluent Pump Station, similar in configuration and capacity to the two existing 1,000 HP 36" pumps. MCA will also be providing electrical and instrumentation engineering for the modifications of the EPS pump discharge header to accommodate the new pump and to allow improve the flow of the parallel effluent force mains. MCA is providing electrical engineering and design to specify the new motor, drive and control, and their integration with the currently planned upgrades of the EPS electrical system. MCA is also providing electrical system modeling and upsizing one substation transformer & relocating another transformer to accommodate the additional electrical load due to the new 1000 HP pump.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$5,500,000	\$3,000,000

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Baton Rouge City Parish Sewer Project East Baton Rouge Parish MCA Subconsultant to: Evans-Graves /Burk-Kleinpeter 9800 Airline Highway, Suite 200 Baton Rouge, LA	<p>The Department of Public Works initiated projects for the upgrade of the Metro Airport Area sewer pump station and force main upgrades, located in East Baton Rouge Parish. The project includes 8 pump stations in the area to alleviate sanitary sewer overflow. The improvement will provide capacity to handle predicted future peak wet weather flows. The scope of work encompasses residential and commercial areas as well as Baton Rouge Metro Airport.</p> <p>MCA was engaged in designing the electrical power, controls, designs and standby generator size for the pump load at each site in accord with DPW standards.</p> <p>The scope of services includes Investigations, Preliminary Design, Detailed Design, Bidding Services, and Engineering Services During Construction.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$30,000,000	\$9,000,000




TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Ascension Parish 6 Pump Stations Ascension Parish MCA Subconsultant to: Evans-Graves 9800 Airline Highway, Suite 200 Baton Rouge, LA	<p>The submersible wastewater pump stations are located throughout Ascension Parish. There are a total of 6 duplex pump stations serving facilities in Darrow, Louisiana. The purpose of this project was to upgrade existing pump stations and design new installations for Ascension Parish Public Works. This includes design of a control system for pump operation and coordination with Entergy for build out of the power infrastructure for service at the new sites.</p> <p>MCA was engaged in designing the electrical power, controls designs, and standby generator size for the pump load at each site.</p> <p>The scope of services includes Investigations, Preliminary Design, Detailed</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$400,000	\$125,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Baton Rouge City/Parish Sewer Project East Baton Rouge Parish MCA Subconsultant to: CSRS 6767 Perkins Road, Suite 200 Baton Rouge, LA 70808	<p>Multiple Pump Stations for the East Baton Rouge City/Parish Department of Public Works - Jefferson Hwy - Park Forest Dr. – The project included replacing five pump stations. The upgrades will work in conjunction with force main upgrades in other South Forced Upper Basin projects to alleviate chronic SSO's at and near the five pump stations. MCA is a subconsultant to CSRS</p> <p>MCA was engaged in designing the electrical power, controls designs and standby generator size for the pump load at each site in accord with DPW standards.</p> <p>The scope of services includes Investigations, Preliminary Design Technician, Detailed Design, Bidding Services, and Engineering Services During Construction.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	\$25,000,000	\$7,000,000

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Marvin J. Braud Pump Station Ascension Parish MCA Subconsultant to: Burk-Kleinpeter Tony Moschella, P.E. P. O. Box 19087 New Orleans, LA 70179</p> 	<p>The Marvin J Braud Pump Station Basin covers the central and northern portions of East Ascension Parish including the City of Gonzales and Prairieville, Louisiana, and East Ascension Consolidated Gravity Drainage District.</p> <p>MCA prepared the Electrical and Control Systems CDs for the expansion of the pumping station by adding Diesel Driven pump motors, a new line-up of 480 MCC, a new 480VAC 3 Phase power service, new lighting for the pump building, and emergency power generation (EPG) for miscellaneous electrical loads and another EPG for the critical life-safety electrical loads. MCA performed electrical engineering services for the installation of the addition of pump No. 6 driven by 1250n HP internal combustion engines. MCA was responsible for the modifications to upgrade the electrical utility service; Relocate the electrical utility transformers; Upgrade the existing stand by emergency power generator and install a second generator unit; Upgrade the electrical and electronic monitoring and operation control system for the existing five drainage pumps driven by 1250 HP internal combustion engines; Design the installation of the electrical power and control systems for the operation of the drainage pumps and auxiliary equipment; Design the installation of the electronic instrumentation systems for the operation and monitoring of the new pump N-6; Design the installation of lighting. Communication, security systems in the extension of the pump house.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$5,000,000	\$1,000,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>St. James Pump Station St. James Parish MCA was subconsultant to: Professional Engineering Consultants Tony Arikol, P.E. 7600 Innovation Ave. Baton Rouge, LA 70816</p>	<p>St. James Parish planned installation of 6 new pumping stations across the parish. MCA was responsible for the electrical power and controls design for the installation of these stations. Each station had 2 pumps which ranged from 5 to 10 hp.</p> <p>MCA provided preliminary design, construction documents, specifications, bid phase services, and construction assistance.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	Unknown	\$19,943 (Fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Tammany Pump Station St. Tammany Parish MCA was subconsultant to: Professional Engineering Consultants Tony Arikol, P.E. 7600 Innovation Ave. Baton Rouge, LA 70816	St. Tammany Parish upgraded 5 pumping stations in the Covington area. The pumps in these stations were replaced with larger pumps which required the controllers and associated electrical equipment be upgraded for the larger motors. MCA was responsible for the electrical power and controls design for the installation of these stations. Each station had 2 pumps which ranged from 5 to 15 hp. MCA provided preliminary design, construction documents, specifications, bid phase services, and construction assistance.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	Unknown	\$15,351 (Fee)

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Mary Parish Government – Amelia Pump Station 2 and 2A St. Mary Parish, Louisiana MCA was subconsultant to T. Baker Smith Thomas Naquin 17534 Old Jefferson Hwy. #D1 Prairieville, LA 70769	Installation of a 48" pump that will replace an existing 20" pump at the pumping station, a new pump house and associated power. Installation of new alternator control system to link new pump with existing 48" pump and stage/alternate operation of both pumps based on water level and operating sequence. .	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	Unknown	\$10,000 (Fee)

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. None		
2.		
3.		
4.		

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

MARRERO, COUVILLON & ASSOCIATES, LLC (MCA) is an engineering design consulting firm with over forty years of experience. Our engineering services include electrical, mechanical and plumbing (MEP) disciplines. Services within these disciplines include:

- Investigation/Evaluation/Recommendations for existing systems
- Design of new or upgraded MEP systems
- Construction Administration services
- Field Inspection services.

The firm is current with today's rapidly changing design technologies. In this regard, MCA offers design documentation in Revit, AutoCAD and Microstation.

Founded in Baton Rouge in 1968 by Hugo A. Marrero, Sr., P.E, MCA operates a second location in Metairie, La. The Metairie location is managed by Greg DeCoursey, A.I.A. Our in-house architect serves as a beneficial liaison between our engineering design teams and the over-all project concept.

MCA's certification as a Disadvantaged Business Enterprise (DBE) by the Unified Certification Program of the Louis Armstrong New Orleans International Airport, and the Louisiana Department Of Transportation And Development (DOTD) adds value to many publicly funded projects. Additional certifications include:

- State and Local Disadvantaged Business Enterprise (SLDBE)
- Small Entrepreneurship – Hudson Initiative
- Small and Emerging Business Development (SEBD)
- Small Business Administration 8A (SBA 8a)

In addition to our capacity as prime consultant on projects for owners, contractors, and governmental agencies, Marrero, Couvillon also performs engineering services as a sub-consultant to other design professionals. Our work covers a diverse range of public, commercial and industrial projects; large and small including:

- Sewerage and Drainage
- Historical Renovations
- Parks and Recreation, including zoos
- Commercial facilities such as hotels and restaurants
- Government facilities
- Airports – terminals, hangars, airfield power/lighting

TEC Professional Services Questionnaire

- Highways, Bridges and Tunnels
- Industry, including sugar processing facilities and petrochemical installations
- Universities and schools.

MCA's team of experienced engineers, design technicians, Computer Aided Design/Drafting (CADD) staff, field technicians and specification writers work under the supervision of experienced project managers to develop professional construction documents used for the execution of engineering projects.



The Firm's experience in the design of systems for the operation of pumping stations and the modification and upgrade of existing ones, include numerous projects in South Louisiana. The Firm's design concepts are based on state of the art technology and the application of MCA's experience in the selection of the best equipment for the project.

1. Professional training and experience in relation to the type of work required for the routine engineering services. The team of professionals at Marrero, Couvillon & Associates, LLC. has varied and extensive experience in providing engineering services as prime consultant, or as subconsultants for sewerage and drainage projects. Our company has over 50 years of experience. Within the last five years MCA has successfully completed or is currently working on the following sewerage and drainage projects:

Project Name	Client
M. J. Braud Pump Station Expansion	Ascension Parish
Zachary Americana Pump Station Installation	City of Zachary
St. John Airport Road Wastewater Pump Station	St. John the Baptist Parish
Upgrade Existing Pump Station and Design New Installations	Darrow, Louisiana, Ascension Parish
Upgrade Metro Airport Area Sewer Pump Station	Department of Public Works, City of Baton Rouge
Sewer System Upgrades Multiple Pump Station Improvements	City of Baton Rouge
Generator Reconfiguration for Pump Station No. 45	City of Baton Rouge
Sewerage Lift Station by Freight Receiving Building	New Orleans International Airport
Upsizing Multiple Pump Stations and Construction of 2 New Pump Stations	Department of Public Works, City of Baton Rouge
St. James Parish Phase 1 – Wastewater Collection	St. James Parish
St. James Parish Additional Pump Stations	St. James Parish
St. Tammany Parish Pump Station	St. Tammany Parish
Bayou Segnette Drainage Pump Station	Jefferson Parish
St. Mary Pump Station	St. Mary Parish

TEC Professional Services Questionnaire

2. Size of firm. Marrero, Couvillon & Associates has two complete departments for Mechanical Engineering and Electrical Engineering. Each department is run by a licensed Professional Engineer. Each department has designers and CAD technicians to proficiently handle the field visits, meetings, drawings and specifications meeting all code requirements to complete these projects safely, efficiently and to meet the needs of Jefferson Parish. Our staff of eighteen professionals are prepared to serve.

3. Work Load. Presently, MCA is seeking to diversify and expand its present workload and would welcome the opportunity to serve Jefferson Parish. As depicted in the chart below, many of our projects are in CA services or nearing completion.

Project Name and Location	Current Status
Ascension Parish Pumping Stations	CA Services
Lafayette Airport Terminal	CA Services
New Orleans City Hall Elevator/Mechanical Upgrades	CA Services
City of Galveston Pumping Station	Design
University Terrance	Design
Exxon QAL Lab	CA Services
New Orleans Municipal Courts	Design
New Orleans Union Station	CA Services
Baton Rouge Department of Environmental Services Building	Design
Louisiana Wetlands Education Center	CA Services
US 11 Bridge Rehabilitation	CA Services
St. Paul School Music Building	CA Services
International High School	CA Services
New Orleans DA Office Renovation	Bidding
New Orleans Police Department Firing Range	CA Services
Low Barrier Shelter (Phase 2)	CA Services
Emergency Maintenance Facility	CA Services
New Orleans Fire Department Storage Facility	Bidding

The staff of MCA recognizes the required activities for this project and concludes that MCA has the capacity to meet the requirements to develop all aspects of the work associated with this project. MCA staff assigned to this project will be scheduled with all of the time necessary to provide services required, at the time when they are needed.

4. Past Performance on Jefferson Parish contracts. Marrero, Couvillon & Associates welcomes the opportunity to provide engineering services for Jefferson Parish. We are currently performing services as subconsultants on the Bayou Segnette Pumping Station project, which is in the design phase. Prior to this project, MCA has not worked as a prime or subconsultant to the parish for many years. We have, however, been involved with many projects within Jefferson Parish, including current projects

TEC Professional Services Questionnaire

- 5. Location of the principal office.** Marrero, Couvillon & Associates offers two locations to best meet our client needs. Our Metairie office located at 3525 Hessmer Ave. will serve as our headquarters for this project.
- 6. Adversarial Legal proceedings between the Parish and the firm.** MCA has never encountered an adversarial situation with Jefferson Parish and plans to keep it that way.
- 7. References for successful completion of projects.** MCA is pleased to provide references for projects of similar nature. Please refer to Section 8, Work by Firm, Project owner names and contact information.

Marrero, Couvillon & Associates is excited to participate on this team in preparation of this statement of our qualifications, and we look forward to collaborating with them if awarded the opportunity to undertake any projects assigned by Jefferson Parish.

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



Signature: _____ **Print Name:** Greg DeCoursey, AIA

GULF SOUTH ENGINEERING AND TESTING, INC.



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Engineering Services related to the Design of the
Rehabilitation of the Transcontinental & Belle Lift Station (E8-1)
 SOQ 21-008 | Resolution No. 137449

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



Gulf South Engineering and Testing, Inc.
 15 Veterans Memorial Boulevard
 Kenner LA 70062

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

Chad M. Poché, P.E., Principal/Vice President
 504-305-4401 • cpoche@gulfsoutheng.com
 Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

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

Chad M. Poché, P.E., Principal/Vice President
 504-305-4401 • cpoche@gulfsoutheng.com
 Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

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

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

*employees also include one Construction Engineer, two Construction Materials Testing (CMT) Supervisors, two Senior Engineering Technicians, one Laboratory Technician, one Soil Boring Driller, and one Soil Boring Driller Apprentice

28* TOTAL

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

YES _____ NO _____

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.
Vice-President

Project Assignment:

Engineering Manager; Geotechnical Engineer

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

10 years with this firm (2011); 28 years total (1993)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

1998, Civil Engineer, Louisiana No. 27667
2002, Civil Engineer, Mississippi No. 15405
Water Well Contractor, LA No. 0840 (exp 06/30/2020)

Other experience and qualifications relevant to the proposed Project:

Mr. Poché is the Vice President, co-founder, and partner in Gulf South. He has been a consulting geotechnical engineer for 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. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

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

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 Blvd. and Hudson St.) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2020)

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Blake E. Vutera, P.E.
Engineering Manager

Project Assignment:

Engineering Manager/Geotechnical Engineer

Name of Firm with which associated:



Years experience with this Firm:

9 years with this firm (2012); 15 years total (2006)

Education: Degree(s)/Year/Specialization:

M.S., 2018, Civil Engineering, University of New Orleans
Certification - Coastal Engineering, 2018, University of New Orleans
B.S., 2008, Civil Engineering, Louisiana State University

Active registration: Year first registered/discipline:

2013, Civil Engineer, Louisiana, No. 38607
2018, Professional Engineer, Texas No. 129410

Other experience and qualifications relevant to the proposed Project:

Mr. Vutera serves as Gulf South's Engineering Manager and is based in Gulf South's Kenner, LA office. His experience with the firm includes daily work on geotechnical engineering projects as well as managing all geotechnical investigations and providing assistance with laboratory testing and construction materials testing and inspection. Engineering analyses that Mr. Vutera routinely performs include: shallow and deep foundations, slope stability analyses, settlement estimates, and pavement design. He is responsible for engineering design, report preparation, proposal preparation, personnel management, project management, and client interaction.

Mr. Vutera's field work consists of borehole logging; installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); pavement coring; nuclear field density tests; and hand augers. Mr. Vutera has been the geotechnical engineer of record for hundreds of projects throughout his career.

New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA. Geotechnical investigation for construction of a new sewer lift station near the intersection of Elmwood Park Boulevard and Citrus Boulevard in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft), lab testing, and engineering analyses including net allowable soil bearing values (as

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

appropriate), below grade foundation recommendations, allowable pile load capacities (timber), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2018)

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

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

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

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)

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

Lift Station – Ginette Street at Bellemeade Boulevard, Gretna, Jefferson Parish, LA. Geotechnical investigation for construction of a lift station near Ginette Street at Bellemeade Boulevard in Gretna, LA. Gulf South's scope includes drilling one soil boring to a depth of 60 feet, laboratory testing, soil boring logging, and engineering consultation. Gulf South was contracted by Jefferson Parish to provide geotechnical engineering expertise to help settle disputes between the contractor and the design engineer. (\$5,000 (fee); 2016)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Joseph H. "Trey" Binder, III
Laboratory Manager

Project Assignment:

Laboratory Manager; Laboratory Technician

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

10 years with this firm (2011); 15 years total (2006)

Education: Degree(s)/Year/Specialization:

A.D., 2011, General Studies, Nunez Community College

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Binder has direct experience with field and laboratory testing services; his 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.

- HAZMAT Awareness
- HAZMAT Operations Training
- ACI Aggregate Base Testing Technician

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA. Geotechnical investigation for a new sewer lift station at the intersection of Mississippi Ave. and Fulton St. in Metairie. Gulf South's scope includes drilling a single soil boring to a depth of 50 feet, lab testing, and geotechnical engineering analysis including allowable soil bearing values, allowable pile load capacities, estimate of settlement, and bedding/backfill recommendations. (\$5,000 (fee); 2015)

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 consisted of performing one soil boring to 50 feet, lab 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)

Lift Station, Bayou Segnette State Park, Westwego, Jefferson Parish, LA. Geotechnical investigation for construction of a new sewer lift station consisting of a valve pit and wet well (approx. 7 and 15 feet below the ground surface, respectively) at Bayou Segnette State Park. Scope includes drilling a single soil boring to a depth of 50 feet, lab testing, and geotechnical engineering analysis, including net allowable soil bearing values, bedding and backfill recommendations (as appropriate), allowable pile load capacities, estimates of settlement, and general construction procedures & recommendations. (\$3,500 (fee); 2016)

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

Lift Station – Ginette Street at Bellemeade Boulevard, Gretna, Jefferson Parish, LA. Geotechnical investigation for construction of a lift station near Ginette Street at Bellemeade Boulevard in Gretna, LA. Gulf South's scope includes drilling one soil boring to a depth of 60 feet, laboratory testing, soil boring logging, and engineering consultation. Gulf South was contracted by Jefferson Parish to provide geotechnical engineering expertise to help settle disputes between the contractor and the design engineer. (\$5,000 (fee); 2016)

Lift Station Replacement (N. Pierce Avenue & Versailles Street), Metairie, Jefferson Parish, LA. Geotechnical investigation for a new lift station replacement in Metairie, LA. Gulf South's scope includes drilling a single soil boring to a depth of 50 feet, lab testing, and engineering analysis, including below-grade foundations, deep foundations, estimates of settlement, bedding & backfill recommendations, and general construction procedures and recommendations. (\$4,500 (fee); 2016)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Sara E. Lockwood, E.I.
Graduate Geotechnical Engineer

Project Assignment:

Graduate Geotechnical Engineer/Engineering Intern

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

2 years with this firm (2019); 4 years total (2017)

Education: Degree(s)/Year/Specialization:

B.S., 2019, Civil Engineering, University of New Orleans
B.S., 2016, Physics, Loyola University

Active registration: Year first registered/discipline:

2020, Engineering Intern, Louisiana, No. EI.0034718

Other experience and qualifications relevant to the proposed Project:

Ms. Lockwood is serving as a Graduate Engineer, providing such duties as project management, geotechnical engineering analyses, and field & laboratory testing & inspection. Her coursework included such disciplines as foundation engineering, soil mechanics, geotechnical engineering, structural concrete & structural steel design, and sustainability principals. She worked as an intern during her college career for a local consulting group, assisting on a variety of environmental studies for infrastructure projects, and preparing regulatory permit applications, as well as preparation of various components of Louisiana DEQ and NEPA documents.

- Society of Women Engineers
- American Society of Civil Engineers

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)

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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Ross L. White

Soil Boring Driller/Supervisor

Project Assignment:

Soil Boring Driller/Supervisor

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

3 years with this firm (2018); 12 years total (2009)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. White is a soil boring driller with over a decade of experience as a soil boring driller and driller's helper, and has operated truck, track, and ATV mounted drilling rigs. In addition, he has performed soil borings over water on a barge and using barge drilling equipment. Mr. White is very familiar with the soils of Louisiana and Southeast Texas.

- *ISTC basic, Entergy PowerSafe*
- *CDL A Class Driver's License (exp 11/2024)*

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ross L. White (continued)

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

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


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

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

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)

Proposed Steel Sheetpile Bulkhead – Crest Pump Station, North Lafourche Conservation Levee & Drainage District, Bayou Folse, Lafourche Parish, LA. Geotechnical investigation for construction of a new bulkhead near the Crest Pump Station along Bayou Folse in Lafourche Parish, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft.), lab testing, and engineering analyses including bulkhead design parameters, tie back wall design parameters, and general construction procedures and recommendations. (\$5,500 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p style="margin: 0;">Christopher Boutwell Construction Materials Testing (CMT) Supervisor</p>	
Project Assignment:	
<p style="margin: 0;">Construction Materials Testing (CMT) Supervisor</p>	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p style="margin: 0;">ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
<p style="margin: 0;">9 years with this firm (2012); 12 years total (2009)</p>	
Education: Degree(s)/Year/Specialization:	
<p style="margin: 0;"><i>High School Diploma</i></p>	
Active registration: Year first registered/discipline:	
<p style="margin: 0;">N/A</p>	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Boutwell serves as a CMT Supervisor in Gulf South's Kenner, LA office. As a CMT Supervisor, Mr. Boutwell is responsible for scheduling technicians, technical training, resolving technical and personnel issues, equipment maintenance, preparing proposals, reviewing reports, and client interaction. Mr. Boutwell's construction monitoring experience includes nuclear density testing, concrete testing and inspection, asphalt inspection, earthwork testing and inspection, driven pile inspection, vibration monitoring, augercast pile inspection, and drilled shaft inspection. Mr. Boutwell is proficient in the following laboratory tests: soil and concrete compressive strength, moisture content, grain size sieve, organic content, Proctor compaction, lime/soil and soil/cement % determinations, density tests, and Atterberg limits.</p> <p>Mr. Boutwell has logged soil borings, performed pile load tests, floor flatness testing, anchor bolt pull out tests, obtained and secured samples from soil borings and borrow pits, and completed hand augers. Mr. Boutwell routinely operates Gulf South's pavement coring machines.</p> <p>Patriot Street Lift Station, Metairie, Jefferson Parish, LA. Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)</p> </div> <div style="flex: 1; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> ACI Concrete Field Testing – Grade I APNGA Nuclear Moisture/Density Gauge Training OSHA Safety Training – 8 hr. </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Boutwell (continued)

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

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

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

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

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); ongoing)

Firehouse Road Sewer Force Main Replacement, Kenner, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction for a new sewer force main for Jefferson Parish in Kenner, LA. Gulf South's scope of work included field density tests, earthwork inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)

Chateau Transfer Station Force Main - Phase I (Duncan Canal to Chateau Transfer Station), City of Kenner, LA. Geotechnical investigation for a new sewer force main. Gulf South performed geotechnical investigation for the 3 phase project. Scope of work included drilling 6 soil borings to a depth of 50 feet, laboratory testing, and geotechnical engineering services consisting of providing allowable pile load capacities and subsoil profiles for directional drilling purposes. (\$14,900 (fee); 2014)

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:	
<p>Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, Louisiana</p> <p>Richard C. Lambert Consultants, LLC 900 West Causeway Approach Mandeville LA 70471</p> <p>Franz J. Zemmer, 985-727-4449 fzemmer@rclconsultants.com</p>	<p>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.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 03 (MAR)	N/A	\$8,500 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, Jefferson Parish, Louisiana</p> <p>Shread-Kuyrkendall & Associates, Inc. 104 Campus Drive East, Suite 102 Destrehan LA 70047</p> <p>Steve P. Breeding, P.E., 985-764-4060 sbreeding@skaengr.com</p>	<p>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.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 11 (NOV)	N/A	\$15,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lift Station F-13-6 Replacement, Marrero, Jefferson Parish, Louisiana H. Davis Cole & Associates, LLC 1340 Poydras St Ste 1850 New Orleans LA 70112-5278 David M. Martin, P.E., 504-836-2020 dmartin@hdaviscole.com	Geotechnical investigation for construction of a new lift station replacing an existing one off Ehret Road and Broas Street in Marrero, LA. Gulf South's scope includes drilling a single 80 ft. undisturbed soil boring, lab testing, and engineering analyses including below grade foundation recommendations, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 02 (FEB)	N/A	\$7,900 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, Louisiana Pivotal Engineering, LLC 1515 Poydras Street Suite 1875 New Orleans LA 70112 Yoseph Shifare, E.I., 504-799-3653 yshifare@pivotaleng.com	Geotechnical investigation for construction of a new sewer lift station near the intersection of Elmwood Park Boulevard and Citrus Boulevard in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft), lab testing, and engineering analyses including net allowable soil bearing values (as appropriate), below grade foundation recommendations, allowable pile load capacities (timber), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 09 (SEP)	N/A	\$7,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, Louisiana</p> <p>Professional Engineering & Environmental Consultants (PEEC), Inc. 1065 Muller Parkway Suite B Westwego LA 70094</p> <p>Jeff Meyers, 504-347-1900 jeff@peecinc.com</p>	<p>Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling St. in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 07 (JUL)	N/A	\$7,500 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>New Lift Station (Toulouse Avenue & Smith Drive), Metairie, Jefferson Parish, Louisiana</p> <p>Pivotal Engineering, LLC 1515 Poydras Street Suite 1875 New Orleans LA 70112</p> <p>Yoseph Shifare, E.I., 504-799-3653 yshifare@pivotaleng.com</p>	<p>Geotechnical investigation for a new sewer lift station (8 ft. diameter and 20 ft. bgs) at intersection of Toulouse Ave. and Smith Dr. in Metairie, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	N/A	\$7,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, Louisiana Bryant Hammett & Associates, LLC 1201 S. Pupera Avenue Unit 301 Gonzales LA 70737 Bruce K. Dyson, P.E., PLS, 225-450-1721 bdyson@bha-engineers.com	Geotechnical investigation for the construction of a new lift station near Melrose Lane and Walter Road in River Ridge, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, below ground foundation recommendations, allowable pile load capacities, estimates of settlement, and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	N/A	\$7,500 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Patriot Street Lift Station, Metairie, Jefferson Parish, Louisiana Evans-Graves Engineers 1 Galleria Blvd Ste 1520 Metairie LA 70001 Stephen Lundgren, 504-836-8190 slundgren@evans-graves.com	Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	\$30,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, Louisiana Arcadis U.S. Inc. 3850 N. Causeway Blvd Ste 990 Metairie LA 70002 Joseph Sensebe, P.E., 504-648-3601 joseph.sensebe@arcadis-us.com	Project consisted of the construction of a new sewer lift station and below grade piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	\$10,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, Louisiana Shread-Kuyrkendall & Associates, Inc. 104 Campus Dr East Ste 102 Destrehan LA 70047 Steven P. Breeding, P.E., 985-764-4060 sbreeding@skaengr.com	Project consisted of the construction of several thousand linear feet of sewer force main for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	\$10,000 (fee)

TEC Professional Services Questionnaire

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

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

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



INTRODUCTION

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

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

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

Gulf South's ownership and senior management have decades of combined experience in the profession and have completed thousands of projects. One of Gulf South's Principals, Chad M. Poché, P.E., is a founder of the company and Professional Engineer registered in Civil Engineering in Louisiana and Mississippi with specific training and experience in geotechnical engineering. He has more than 25 years 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*
- *Settlement analyses*
- *Shoreline protection*
- *Scour analyses*
- *LRFD Design*
- *Mechanically Stabilized Earth (MSE) Walls*
- *Earthwork*
- *Development of load test programs*
- *Geotechnical instrumentation and construction monitoring*
- *Canals and pump station foundations*
- *Pipe bedding and backfill*
- *Roadways and bridges*
- *Pavements*

Field Investigation Services

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

Laboratory Testing Services

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

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

Construction Materials Testing & Inspection

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

TEC Professional Services Questionnaire

N. continued.

- *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*

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

PROFESSIONAL TRAINING & EXPERIENCE

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

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

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

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

SIZE OF FIRM & CAPACITY FOR TIMELY COMPLETION

At 28 employees, Gulf South has the appropriate number of employees and personnel for this project. We will complete our scope of services on time and within budget. Further said, Gulf South is able to readily meet the time and budget constraints for projects assigned to this contract. Our current work load is such that we can expeditiously complete projects for this contract.

PAST PERFORMANCE ON JEFFERSON PARISH PROJECTS

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

TEC Professional Services Questionnaire

N. continued.

- Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA
- Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA
- New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA
- New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA
- St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA
- New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA
- New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA
- New Sewer Lift Station (Mississippi Ave. and Fulton St.), Metairie, Jefferson Parish, LA
- Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA
- Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA
- Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, LA
- Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA
- David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA
- Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA
- Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA
- Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA
- Taft Park Drainage Improvements, Jefferson Parish, LA
- Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA
- Westwego Pump Station #1, Jefferson Parish, LA
- Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA
- Westgate Drainage Improvements, Metairie, Jefferson Parish, LA
- Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA
- Bike Path Soil Borings, Jefferson Highway to Northline Street, Jefferson Parish, LA
- Green Acres Road - New Street Lighting, Metairie, Jefferson Parish, LA
- Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA
- Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA
- St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA
- Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA
- Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA
- Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA
- West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA
- Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA
- Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA
- Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA
- Jefferson Parish Dept. of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- New Charter School, Behrman Highway, Terrytown, Jefferson Parish, LA
- Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA
- Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA
- Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA
- Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, Jefferson Parish, LA

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.

LOCATION OF THE PRINCIPAL OFFICE

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

TEC Professional Services Questionnaire

N. continued.

LITIGATION

As noted in *Item M*, Gulf South has not been involved in litigation with Jefferson Parish, nor with any of the firm's clients.

REFERENCES

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. We are proud that a majority of its work is from repeat clients –we complete our projects on-time and within budget. Gulf South invites you to contact any of our clients for a candid discussion of our service and professionalism, and offer these direct references:

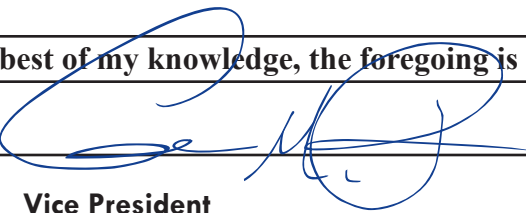
- **Mark R. Drewes, P.E.**, Director, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Neil Schneider, CCM, P.E.**, Director, Capital Projects, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Tom Schreiner**, Deputy CAO, Public Works & Capital Projects, City of Kenner (504-468-7515 | tschreiner@kenner.la.us)
- **Angela DeSoto, P.E.**, Director of Engineering, Jefferson Parish (504-736-6511 | ADeSoto@jeffparish.net)
- **Sid Trouard, P.E.**, Program Manager, Sewerage Capital Improvement Program, Jefferson Parish (504-736-6386 | STrouard@jeffparish.net)
- **Tacie Rabalais, P.E.**, Parish Engineer, Ascension Parish Government Engineering Department (225-621-5700 | trabalais@apgov.us)
- **Joey Tureau**, Infrastructure Division Director, Ascension Parish (225-450-1013 | jtureau@apgov.us)

INSURANCE

Gulf South is fully insured to provide the services we offer; additional information is available upon request.

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

Signature:



Print Name:

Chad M. Poché, P.E.

Title:

Vice President

Date:

May 10, 2021

BFM CORPORATION, LLC



200319, LA, JP 135189, Poplar LS Rehab Design - BFM • 2021 May 05 (Wednesday) @ 3:36:17 PM

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Engineering Services related to the Design of the
Rehabilitation of the Transcontinental & Belle Lift Station (E8-1)
SOQ 21-008 | Resolution No. 137449

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



BFM
CORPORATION, LLC
Professional Land & Hydrographic Surveying

BFM Corporation, LLC
15 Veterans Memorial Boulevard
Kenner LA 70062

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

Chad M. Poché, P.E., Executive Vice President
504-468-8800 • 504-460-5239 cell • cpoche@bfmcorporation.com
Registered Professional Civil Engineer, Louisiana No. 27667 (since 1998)

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

Ralph P. Fontcuberta, Jr., Executive Vice President • LA License No. 4329 (1974)
504-468-8800 • 504-451-7500 cell • ralph@bfmcorporation.com
Registered Professional Land Surveyor, Louisiana No. 4329 (since 1974)

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

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

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

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

TEC Professional Services Questionnaire

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

1. **N/A**

2.

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

YES _____ NO _____

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

39 years (Founding Principal of BFM in 1982); 54 years total (1967)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

- Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA
- Sewer Lift Station F8-3, Metairie, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA
- 5th & 9th Sewer Lift Station Upgrades, 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 F7-12 (Grace King and Rockford), Metairie, Jefferson Parish, LA
- Lift Station K-11-3, Marrero, 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
- Causeway and Scott Sewer Lift Station Rehabilitation, 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, 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
- Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA
- Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA
- Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA
- DOTD H.010570, LA 49, Williams Boulevard, Kenner, Jefferson Parish, LA
- Latigue Road Extension, Jefferson Parish, LA
- Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, LA
- Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA
- Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA
- Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA
- Ames Boulevard Rehabilitation, Jefferson Parish, LA
- Green Acres Road, Metairie, Jefferson Parish, LA
- Veterans Memorial Boulevard - Westbound, Jefferson Parish, LA
- Hector Avenue Route Topographic Survey, Gretna, Jefferson Parish, LA
- Cousins Boulevard Extension (Phase I), Harvey, Jefferson Parish, LA
- Little Farms Avenue, Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Lapalco Boulevard Turn Lane (Lapalco Boulevard at Baratavia Boulevard), Jefferson Parish, LA
- Baratavia Boulevard Turn Lane Project, Marrero, Jefferson Parish, LA

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

4 years (became partial owner of BFM in 2017); 28 years total (1993)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

BFM Corporation projects overseen by Mr. Poché would include:

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)

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

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

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

Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)

5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)

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

Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA. BFM provided topographic surveying services for the project, located near the West Bank Expressway Access Road. (\$5,715 (fee); 2018)

Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA. BFM provided topographic surveying services in relation to improvements at Lift Station F7-13B, located at the intersection of Stefano Street and Wanda Lynn Drive in Garden Subdivision, Metairie. (\$4,770 (fee); 2018)

Lift Station E5-4, Jefferson Parish, LA. BFM provided topographic surveying services for the project site, located at Transcontinental and West Metairie. (\$6,530 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Field Operations Supervisor

Project Assignment:

Field Operations Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

13 years (joined BFM in 2008); 14 years total (2007)

Education: Degree(s)/Year/Specialization:

B.S., 2007, Physical Education, Trevecca Nazarene University

Active registration: Year first registered/discipline:

Professional Land Surveyor Registration in process, State of Louisiana

Other experience and qualifications relevant to the proposed Project:

Mr. Thayer is a Field Operations Supervisor with considerable experience in field surveying services, including ALTA/as-built surveying, construction layout, boundary, topographic, cross-sections, GPS use, and numerous other surveying types.

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

Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)

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

N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the project. (2016)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

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)

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

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

Lift Station E5-4, Jefferson Parish, LA. BFM provided topographic surveying services for the project site, located at Transcontinental and West Metairie. (\$6,530 (fee); 2018)

Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA. BFM's surveying services for the project involved a topographic survey of Lift Station F1-1 located at the intersection of Plantation road and Toler Street. (\$4,880 (fee); 2018)

Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA. BFM provided topographic surveying services in relation to improvements at Lift Station F7-13B, located at the intersection of Stefano Street and Wanda Lynn Drive in Garden Subdivision, Metairie. (\$4,770 (fee); 2018)

Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA. BFM executed a topographic survey for the project. (\$10,500 (fee); 2012)

N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA. BFM provided topographic and boundary surveying services for Lift Station N-12-1 (located at 41st Street & the Gardere Canal) in Jefferson Parish. (\$2,724 (fee); 2016)


Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$9,116 (fee); 2016)

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$4,520 (fee); 2017)

Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA. BFM executed a topographic survey for the project. (\$3,660 (fee); 2017)

Causeway and Scott Sewer Lift Station Rehabilitation, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$5,610 (fee); 2017)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Gary J. Lambert, Jr., LSI Project Manager/Drafting Supervisor</p>
Project Assignment:
<p>Project Manager/Drafting Supervisor</p>
Name of Firm with which associated:
 <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p>
Years experience with this Firm:
<p>3 years (joined BFM in 2018); 3 years total</p>
Education: Degree(s)/Year/Specialization:
<p>B.S., 2018, Geomatics, Nicholls State University B.S., 2014, Construction Management, Louisiana State University</p>
Active registration: Year first registered/discipline:
<p>2019, Survey Intern, Louisiana, LSI.0000694</p>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Lambert provides Project Management and Drafting Oversight for the firm. He has also provided Survey Crew Chief Services since joining BFM and offers a well-rounded experience overview for any project. Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).</p> <p>5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)</p> <p>Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)</p> <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p>

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA.

BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)

Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (\$11,710 (fee); 2019)

Hanson City Task II Force Main, Kenner, LA. BFM provided Subsurface Utility Engineering (SUE) surveying services for the project. The SUE process includes non-destructive surface geophysical methods which determine the presence of subsurface utilities and to mark their horizontal position on the ground surface. Vacuum excavation techniques are used to expose & record the precise horizontal and vertical position of the assets. A conflict matrix is also created to evaluate and compare collected utility information with project plans, identify conflicts and propose solutions. (\$33,500 (fee); 2019)

Chateau Transfer Station Force Main, City of Kenner, LA. BFM's scope involved updating the topographic survey update for portions of Chateau Transfer Station Force Main (an update from a previous BFM surveying project). (\$13,110 (fee); 2019)


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Christopher Lemley Quality Control Supervisor
Project Assignment:
Quality Control Supervisor
Name of Firm with which associated:
 Professional Land & Hydrographic Surveying
Years experience with this Firm:
7 years (joined BFM in 2014); 15 years total (2006)
Education: Degree(s)/Year/Specialization:
<i>High School Diploma</i>
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Lemley serves as BFM's Quality Control Supervisor, overseeing all work and activity by the firm's personnel to be sure all is kept up to our exacting standards. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station.</p> <p>Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA. BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$24,190 (fee); 2018)</p> <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> <p>Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Thomas O. Wright
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

13 years (joined BFM in 2008); 44 years total (1977)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:


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

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


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

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


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Curtis "Jay" Barrios Survey Crew Chief
Project Assignment:
Survey Crew Chief
Name of Firm with which associated:
 Professional Land & Hydrographic Surveying
Years experience with this Firm:
31 years (joined BFM in 1990); 31 years total (1990)
Education: Degree(s)/Year/Specialization:
<i>High School Diploma</i>
Active registration: Year first registered/discipline:
<i>American Traffic Safety Service Assn. – Traffic Flagger Transportation Work Identification Card (TWIC)</i>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Barrios' surveying experience includes boundary, hydrographic, and topographic. He has worked on location and performed topographic surveys for a number of major projects.</p> <p>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)</p> <p>Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations. (\$22,860 (fee); 2016)</p> <p>N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA. BFM provided boundary and topographic surveying services for the project. (\$7,048 (fee); 2016)</p> <p>Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA. BFM executed a topographic survey for the project. (\$10,500 (fee); 2012)</p>


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Eric Gladney Survey Crew Chief
Project Assignment:
Survey Crew Chief
Name of Firm with which associated:
 Professional Land & Hydrographic Surveying
Years experience with this Firm:
7 years (joined BFM in 2014); 20 years total (2001)
Education: Degree(s)/Year/Specialization:
High School Diploma
Active registration: Year first registered/discipline:
American Traffic Safety Service Assn. – Traffic Flagger Norfolk Southern Roadway Worker Protection Contractor Safety Cert. Transportation Work Identification Card (TWIC)
Other experience and qualifications relevant to the proposed Project:
<p>Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA. BFM executed a topographic survey for the project. (\$3,660 (fee); 2017)</p> <p>Lasalle Rest Room Building, Jefferson Parish, LA. BFM prepared a boundary survey (with topographic services) for the project, elements of which included TBM (Temporary Benchmarks), location of visible/ below ground surface (BGS) utilities, research of record drawings, pipe location & determination of sizes/types, trees and other natural elements, etc. BFM further provided a construction benchmark (CBM) and all drawings (AutoCAD) as outlined. Later services included location of sewer manholes and lift station. (\$9,420 (fee); 2017)</p> <p>Causeway and Scott Sewer Lift Station Rehabilitation, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$5,610 (fee); 2017)</p> <p>Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA. BFM's surveying services for the project involved a topographic survey of Lift Station F1-1 located at the intersection of Plantation road and Toler Street. (\$4,880 (fee); 2018)</p> <p>Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$4,520 (fee); 2017)</p>


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Jeff Patin Survey Crew Chief</p>
Project Assignment:
<p>Survey Crew Chief</p>
Name of Firm with which associated:

Years experience with this Firm:
<p>2 years (joined BFM in 2019); 22 years total (1999)</p>
Education: Degree(s)/Year/Specialization:
<p><i>High School Diploma</i></p>
Active registration: Year first registered/discipline:
<p><i>Transportation Work Identification Card (TWIC)</i></p>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Patin has worked as a Survey Crew Chief and Instrumentman for 20 years for a number of southeastern Louisiana surveying firms on projects throughout the region. His work history includes supervision of field crew personnel, operation of various survey equipment (Topcon GPT, Leica GPS, Total Station, etc.), calculations, information collection, and any & all work required to execute the survey and obtain the information needed. Mr. Patin has worked on projects for various public & private clients, and has performed field work under the direction of the Corps of Engineers.</p> <p>Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2020)</p> <p>Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA. BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. (\$2,970 (fee); 2021)</p> <p>River to Lake Bike Path, Monticello Canal & Dankin Street, Jefferson and Orleans Parish Line, LA. BFM executed a topographic survey of the Bike Path along Jefferson/Orleans Parish Line, north of Airline Drive to River Road at the Monticello Canal and Dakin Streets. (\$108,000 (fee); 2019)</p>


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Anthony Watson CADD Technician</p>
Project Assignment:
<p>CADD Technician</p>
Name of Firm with which associated:
 <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p>
Years experience with this Firm:
<p>10 years (joined BFM in 2011); 30 years total (1992)</p>
Education: Degree(s)/Year/Specialization:
<p><i>Coursework - CAD, Avatech Solutions, Los Colinas, TX</i></p>
Active registration: Year first registered/discipline:
<p>NA</p>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Watson has experience as a draftsman/CADD technician, having started his career as an intern with the Surveying Department of the City of Plano, TX. His experience through the years includes manual and computer-aided drafting for a wide range of projects, ranging from small lot surveys to subdivisions to municipal treatment and private industrial plants. He has experience in all facets of surveying (boundary, topographic, ALTA/ACSM, plan & profile, etc.) in both drafting and field environments.</p> <p>Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA. BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region. (\$2,970 (fee); 2021)</p> <p>Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$11,216 (fee); 2016)</p> <p>N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA. BFM provided topographic and boundary surveying services for Lift Station N-12-1 (located at 41st Street & the Gardere Canal) in Jefferson Parish. (\$2,724 (fee); 2016)</p> <p>Causeway and Scott Sewer Lift Station Rehabilitation, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$5,610 (fee); 2017)</p>


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Shaun Clements CADD Technician</p>
Project Assignment:
<p>CADD Technician</p>
Name of Firm with which associated:
 <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p>
Years experience with this Firm:
<p>3 years (joined BFM in 2018); 6 years total (2015)</p>
Education: Degree(s)/Year/Specialization:
<p>Associates of Applied Sciences, 2015, Computer Drafting and Design (ITT)</p>
Active registration: Year first registered/discipline:
<p>NA</p>
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Clements college work resulted in a GPA of 4.0, earning her Valedictorian status. She also was the recipient of the Highest Honors and Perfect Attendance Awards.</p> <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> <p>Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)</p> <p>Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)</p> <p>5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Kevin A. Roberts CADD Technician</p>
Project Assignment:
<p>CADD Technician</p>
Name of Firm with which associated:
 <p>BFM CORPORATION, LLC Professional Land & Hydrographic Surveying</p>
Years experience with this Firm:
<p>3 years (joined BFM in 2018); 36 years total (1985)</p>
Education: Degree(s)/Year/Specialization:
<p>A.D., 1999, Drafting & Design, Louisiana Technical College <i>Coursework, 1994-1997, Nunez Community College</i> <i>Coursework, 1984-1988, Delgado Community College</i> <i>Coursework, 1982-1983, University of New Orleans</i></p>
Active registration: Year first registered/discipline:
<p>NA</p>
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Roberts has experience with civil engineering, offshore engineering, water purification systems, and general architectural and construction design & terminology. He obtained his A.D. in Drafting in 1999, and has taken additional coursework throughout his career.</p> <p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> <p>Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Dawn Hoffman Researcher/Archivist</p>
Project Assignment:
<p>Researcher/Archivist</p>
Name of Firm with which associated:

Years experience with this Firm:
<p>12 years (joined BFM in 2009); 24 years total (1997)</p>
Education: Degree(s)/Year/Specialization:
<p>A.D., 1999, Computer-Aided Drafting, Southeast College of Technology Certificate, 2003, Introduction to ArcGIS, Louisiana State University</p>
Active registration: Year first registered/discipline:
<p>NA</p>
Other experience and qualifications relevant to the proposed Project:
<p>Lift Station F8-3, Metairie, Jefferson Parish, LA. For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue. (\$11,890 (fee); 2019)</p> <p>Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA. BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$24,190 (fee); 2018)</p> <p>Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)</p> <p>Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)</p>

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location, and Owner's Contact Information:		Nature of Firm's Responsibility:	
Sewer Lift Station L-11-1, Saddler Road at Westbank Expressway, Marrero, Jefferson Parish, Louisiana Richard C Lambert, Consulting Engineers 900 W Causeway Approach Mandeville LA 70471 Franz J. Zemmer, P.E., 985-727-4440 fzemmer@rclconsultants.com		BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2021 02 (FEB)		N/A	\$4,140 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:		Nature of Firm's Responsibility:	
Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, Louisiana AIMS Group, Inc. 4421 Zenith Street Metairie LA 70001 Harold J. DeLeo, 504-887-7045		BFM prepared a Route Topographic Survey of the project site in Harahan, which included portions of Wilson Street and Grove Avenue. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2018 04 (APR)		N/A	\$24,190 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Blvd., Metairie, Jefferson Parish, Louisiana</p> <p>Richard C Lambert, Consulting Engineers 900 W Causeway Approach Mandeville LA 70471</p> <p>Franz J. Zemmer, P.E., 985-727-4440 fzemmer@rclconsultants.com</p>	<p>BFM's services involved a boundary survey with servitude acquisition (updating boundary and creating servitude, which was provided by the client and utilized to create the final survey). The project was located on the East Bank of Jefferson Parish in the Dreyfous Tract region.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 01 (JAN)	N/A	\$2,970 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Destrehan Lift Station Upgrades, Jefferson Parish, Louisiana</p> <p>Principal Engineering 1011 N Causeway Blvd Suite 19 Mandeville LA 70471</p> <p>Henry I. DiFranco Jr. P.E., 985-624-5001 henry@pi-aec.com</p>	<p>BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence.</p> <p>(Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564)</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 08 (AUG)	N/A	\$5,750 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Destrehan Lift Station Upgrades, Jefferson Parish, Louisiana Principal Engineering 1011 N Causeway Blvd Suite 19 Mandeville LA 70471 Henry DiFranco, 985-624-5001 henry@pi-aec.com	BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564)	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 08 (AUG)	N/A	\$11,710 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, Louisiana H. Davis Cole & Associates, Inc. 1340 Poydras Street Suite 1850 New Orleans LA 70112 David Martin, P.E., 504-836-2020	BFM's surveying scope involved topographic and boundary surveying services.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 02 (FEB)	N/A	\$8,790 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lift Station F8-3, Metairie, Jefferson Parish, Louisiana Richard C Lambert, Consulting Engineers 900 W Causeway Approach Mandeville LA 70471 Franz J. Zemmer, P.E., 985-727-4440 fzemmer@rclconsultants.com	For the project (located at West Esplanade Avenue & Houma Boulevard, in the Dreyfous Tract), BFM executed a topographic survey; scope included two TBMs (Temporary Benchmarks), three point ties, and location of improvements within limits & monuments to establish apparent rights-of-way (ROW). Baseline was set parallel to West Esplanade Avenue.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 10 (OCT)	N/A	\$11,890 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, Louisiana Professional Engineering & Environmental Consultants (PEEC), Inc. 1065 Muller Parkway, Suite B Westwego LA 70094 Jeff Meyers, 504-347-1900	BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 01 (JAN)	N/A	\$6,790 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, Louisiana</p> <p>Principal Engineering 1011 N. Causeway Blvd Suite 19 Mandeville LA 70471</p> <p>Courtney I. Dickerson, P.E., 985-624-5001 courtney@pi-aec.com</p>	<p>BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 10 (OCT)	N/A	\$22,860 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, Louisiana</p> <p>Linfield, Hunter & Junius, Inc. 3608 18th Street, Suite 200 Metairie LA 70002</p> <p>Sergio Girau, 504-833-5300 lhj@lhjunius.com</p>	<p>BFM provided boundary and topographic surveys for the project, which included a force main survey involving Veterans Boulevard, between the Suburban Canal and North Hullen Street (lift station improvements). Both full and partial route surveys were executed.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 12 (DEC)	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.	BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.	
2.		
3.		
4.		

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

BFM CORPORATION, LLC

Professional Land & Hydrographic Surveying

PROFESSIONAL TRAINING AND EXPERIENCE

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

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

Our capabilities include the following and more:

- **Topographic Surveys** (*determine relative positions & elevations of natural & man-made features*)
- **Drone Surveying** (*detailed multi-acre data-capturing surveying*)
- **Bathymetric / Hydrographic Surveys** (*determine shoreline and depths of bodies of water*)

TEC Professional Services Questionnaire

N. continued.

- **Property, Boundary, and Right-of-Way Surveys** (*preparation of Legal Descriptions, property, and ROW maps to define project boundaries and for acquisition of property*)
- **Maps, Cross-Sections, and Data Sets** (*plan drawings, maps, diagrams, and data sets*)
- **3D Laser Scanning** (*unify raw data & model*)
- **Benchmarks** (*establishment of permanent, temporary, and construction benchmarks*)
- **Construction-Related Surveying** (*all types*)
- **Builder's Package** (*Boundary Survey & Construction Benchmark, Certificates including Form Board, Top of Slab, & Final FEMA Elevation*)
- **ALTA Surveys** (*American Land Title Association-compliant surveys*)

Project work (property, utilities, rights-of-way, etc.) routinely involves **extensive records & related research** as an element of successful completion, as well as coordination with the client, agency or department. BFM has personnel in place to make sure this is done correctly and expeditiously.

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

BFM offers **Drone Surveying Services**, featuring a DJI Matrice 600 Pro drone outfitted with a Sony A7R3 42 megapixel camera, Pixhawk Triggering System, VMAP PPK system, and an A3 Pro Flight Controller. It can fly with payload for 20 minutes and can capture 50 acres of land in that time (with a flight ceiling of 165 feet, pixel quality is 0.71 CM). This allows BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

BFM's **3D modeling capabilities** provide the ability to process and model for any design purpose. High definition scanner data is processed using software from Leica and Autodesk. Furthermore, 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 has the ability to perform **automated bathymetry** to handle any **hydrographic surveying** task. 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 SL20 Remote Controlled Boat equipped with CEE Scope Dual Channel Echo Sounder. The firm uses Hypack Software to process collected data. Further, BFM has the ability to execute multi-beam scans, side scans and magnetometer upon request.

TEC Professional Services Questionnaire

N. continued.

PERSONNEL

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

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

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

WORKLOAD & ABILITY TO MEET PROJECT DEADLINES

BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by the contract or project engineer. It is our continual goal to keep this reputation solid. Further, 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.

EXPERIENCE WITH JEFFERSON PARISH

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

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

LOCATION OF PRINCIPAL OFFICE

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

LITIGATION 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.

TEC Professional Services Questionnaire

N. continued.

PAST PERFORMANCE ON PUBLIC CONTRACTS / REFERENCES

Since 1982, BFM has worked with virtually every municipality in the region. We enjoy a high repeat-business rate with all our municipal & private clients. Further, we offer the following specific references for contact:

- **Mark R. Drewes, P.E.**, Director, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Neil Schneider, CCM, P.E.**, Director, Capital Projects, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Tom Schreiner**, Deputy CAO, Public Works & Capital Projects, City of Kenner (504-468-7515 | tschreiner@kenner.la.us)
- **Angela DeSoto, P.E.**, Director of Engineering, Jefferson Parish (504-736-6511 | ADeSoto@jeffparish.net)
- **Sid Trouard, P.E.**, Program Manager, Jefferson Parish Sewerage Capital Improvement Program (504-736-6386 | STrouard@jeffparish.net)
- **Greg Cromer**, Mayor, City of Slidell (985-646-4333 | gcromer@cityofslidell.org)

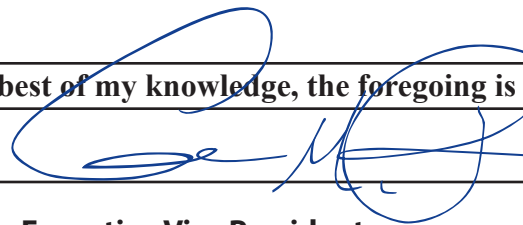
Our professional work history is exemplary. We strive to provide on-time and technically thorough project deliverables at the budget set by our clients.

OWNERSHIP

BFM Corporation, LLC is majority woman-owned by Cassandra Poché (51%). Chad M. Poché, P.E., Executive Vice President holds 40% and Ralph P. Fontcuberta, Jr., PLS, Executive Vice President and company co-founder, has 9%.

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:

May 5, 2021