Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations

Resolution No. 139102
SOQ# 22-028

Submitted to:

Jefferson Parish
State of Louisiana

Submitted by:

RCL
CONSULTANTS, LLC

pivotal engineering

BFM CORPORATION, L.L.C.

GULF SOUTH
ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

June 30, 2022

Richard C. Lambert Consultants, L.L.C.

RCL
CONSULTANTS, L.L.C
Planning
Architecture
Engineering
Construction Management

June 24, 2022

Jefferson Parish Council
c/o Ms. Melissa Ovalle, Buyer
General Government Building
200 Derbigny Street, Suite 6700
Gretna, LA 70053

Subject: SOQ 22-028 – REHABILITATION TO THE NEYREY & VETERANS (F7-13) AND MARKET & SUAVE (D4-7) LIFT STATIONS – RESOLUTION NO. 139102

Dear Ms. Ovalle:

The firm of Richard C. Lambert Consultants, LLC is pleased to submit the attached materials in response to your Request for Qualifications for SOQ 22-028 – Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Suave (D4-7) Lift Stations – Resolution No. 139102.

If you should have any questions or require additional information, please contact me as necessary at (985) 727-4440.

Thank you,

Richard C. Lambert Consultants, LLC

Richard C. Lambert, P.E.

900 West Causeway Approach, Mandeville LA 70471
Phone: 985.727.4440 Fax: 985.727.4447
E-mail: rclc@rclconsultants.com

New Orleans Office
E-mail: rclc@rclconsultants.com
www.rclconsultants.com

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:
SOQ 22-028 – Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Suave (D4-7) Lift Stations

B. Firm Name & Address:
RICHARD C. LAMBERT CONSULTANTS, LLC
15 Veterans Boulevard, Kenner, LA 70062

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:
Richard C. Lambert, PE, Principal
900 West Causeway Approach, Mandeville, LA 70471
985-727-4440, rclc@rclconsultants.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.
Richard C. Lambert, PE, Principal
900 West Causeway Approach, Mandeville, LA 70471
985-727-4440, rclc@rclconsultants.com

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

1 Administrative	1 Estimators	1 Specification Writers
1 Architects (Licensed)	___ Geologists	___ Structural Engineers
___ Chemical Engineers	___ Geotechnical Engineers	___ Graduate Engineers
6 Civil Engineers	1 Interior Designers	2 Project Managers
8 Construction Inspectors	___ Landscape Architects	1 Clerical
___ Ecologists	___ Land Surveyor	___ Grant/Funding Specialist
___ Electrical Engineers	___ Mechanical Engineers	___ Sanitary Engineers
1 Engineer Intern	___ Environmental Engineers	3 AutoCADD
___ Professional Land Surveyors		**26 TOTAL**

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

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

TEC Professional Services Questionnaire

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

1. **N/A**

2. **N/A**

H. Has this JOINT-VENTURE previously worked together? Please check:
YES_____NO _____
N/A

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. **BFM Corporation, LLC** 15 Veterans Boulevard Kenner LA 70062	Survey Services	YES
2. **Gulf South Engineering and Testing, Inc.** 15 Veterans Boulevard Kenner LA 70062	Geotechnical Services	YES
3. **Pivotal Engineering, LLC** 1515 Poydras St., Suite 1875 New Orleans, LA 70112	Electrical Engineering	YES

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

26

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 ifnecessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

RICHARD C. LAMBERT, P.E., *Principal, Manager-Member*

Project Assignment:

Principal, Civil Engineer, Environmental Engineer

Name of Firm with which associated:

Richard C. Lambert Consultants, LLC

Years' experience with this Firm:

35

Education: Degree(s)/Year/Specialization:

Bachelor of Science, 1980, Civil Engineering, Tulane University

Active registration: Year first registered/discipline:

1986 Civil LA #22167, 1990 Civil AR #7293, 1997 Civil AL #17484, 1989 Civil MS #10475,
1994 Env. LA #22167

Other experience and qualifications relevant to the proposed Project:

As founder of Richard C. Lambert Consultants, LLC and RCL Architecture, LLC, Richard Lambert has developed diverse experience in many engineering disciplines including a solid foundation in all aspects of Construction Management.

Mr. Lambert is a NEPA Certified Engineer and a Licensed in the State of Louisiana as a Civil and Environmental Engineer.

Since 1980, Mr. Lambert has acted as Project Engineer and Principal for many civil engineering projects (both Design and Construction Administration); these include LADOTD design highway and urban system projects and many roadway and drainage. Mr. Lambert has developed long-term relationships with many of the DOTD Staff, and the firm has employed many retirees from the Department. This brings experience to RCLC relative to LADOTD requirements.

Richard C. Lambert, PE has been the Principal for all RCLC projects and is extensively familiar with the Parish's contracting procedures. Mr. Lambert is prepared to undertake the Planning, Design, and Construction Administration for Major Public Projects, and produce them on time and in a manner that is intelligible to contractors and public agencies. This reduces the need for Plan Changes and unforeseen delays. Mr. Lambert's ability to arbitrate disputes and negotiate settlements has resulted in the absence of any unresolved claims or litigation with Contractors.

TEC Professional Services Questionnaire

Mr. Lambert has been the principal for every Civil Design and / or Construction Engineering project the firm has produced. A partial list of such projects includes:

- **Harvey Wastewater Treatment Plant Rehabilitation of Existing trickling Filter (Subconsultant)**
- **West Bank Expressway and Saddler Lift Station (L11-1) Upgrades**
- **Houma and West Esplanade Sewer Lift Station (LS-F8-3) Upgrades**
- **Sibley @ West Napoleon and Mississippi @ West Napoleon Sewer Lift Station Improvements**
- **PS-E7-1 Pump Station Improvements (Kawanee and Page) ($1.75 Million)**
- **Kenner Sewer Rehabilitation Program LS 4208 (Granada & Martinique) Sewer Lift Station and Sewer Force Main Improvements**
- **Sewer Lift Station Replacement at Regions, Essen Lane ($2.2 Million)**
- **Stormwater Quality Demonstration Project ($4.8 Million)**
- **36" Sewer Force Main @ Transcontinental & West Napoleon ($5.2 Million)**
- **West Napoleon Avenue, Project No. 742-07-0092 ($12.5 Million)**
- **Dove Park, Little Creek, Starbucks Gravity and Sewer Force Main, Mandeville, LA**
- **Greenbriar Sewer and Water Upgrade Improvements, Covington, LA**
- **Mandeville Sewer Lift Stations 2, 11 & D, Mandeville, LA**
- **Slidell Submerged Street Projects, Lee Street Basin, Slidell, LA**
- **Citywide Sewer Maintenance and Rehabilitation Project: (City of Slidell)**
- **Dwyer Road Intake Canal ($53 Million)**
- **Waterline Replacement Program, Gentilly Woods Neighborhood, New Orleans, LA**
- **Waterline Replacement Program, Pontchartrain Park Neighborhood, New Orleans, LA**
- **Project No. 742-36-0138: Magazine Street Rehabilitation, New Orleans**
- **Project No. H.007158: Museum District Streetscape Enhancements, New Orleans**
- **Tri-Centennial Place Parking – City Park, New Orleans**
- **Project No. 744-52-0040: Kensington to John Slidell Park Multi-Use Path, Slidell**
- **Bonnabel Canal Drainage Improvements, Jefferson Parish ($6 Million)**
- **West Esplanade Avenue (Bonnabel Blvd. to Lake Ave.) ($5.3 Million)**
- **Katrina-Related Drainage System Point Repairs in New Orleans**
- **Katrina-Related Drain Line Cleaning and Catch Basin Repairs in New Orleans**
- **Gabriel Subdivision, Kenner**

The $12.5 Million **West Napoleon Project** in 2006 included Asphaltic Concrete Urban Arterial Roadway with asphalt pavement and concrete curb and gutter. Major drainage improvements, including reinforced concrete drainage canal, flumes, and box culverts. The project was funded through the LADOTD TIMED Program and also included the design of two drainage pump station relocations in Jefferson Parish with drainage, water and sewer improvements.

Due to RCLC's successful performance on all the above projects, the firm is recognized for its professionalism, competency, accurate calculation of pay quantities, fairness, economical negotiation of additional work, and insightful input to the contractor regarding contract time and progress. All this translates into highly effective management of the project with minimal overruns in cost and time and no unresolved disputes that escalate into litigation.

As a policy, the firm has adopted all LADOTD protocol related to relationships with Vendors, Contractors, and other entities and the firm recognizes its responsibility in expending public funds for public projects. All employees are expected to conduct themselves with the highest ethical codes.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
FRANZ J. ZEMMER, P.E., *Manager – Design, Member*
Project Assignment:
Project Management - Design, Civil Engineer in Responsible Charge
Name of Firm with which associated:
Richard C. Lambert Consultants, LLC
Years' experience with this Firm:
24
Education: Degree(s)/Year/Specialization:
Bachelor of Science, 1994, Civil Engineering, Louisiana State University
Active registration: Year first registered/discipline:
1998 Civil LA #28232 2005 Civil AL #27307 2005 Civil MS#16880
Other experience and qualifications relevant to the proposed Project:

Mr. Zemmer is a NEPA Certified Engineer, an ATSSA Traffic Control Design Specialist and Licensed in the State of Louisiana as a Civil Engineer. Projects include large parking lots, major roadways, subdivisions, utility improvements and regional utility studies. Several projects under his professional responsibility have won ACI Awards including Argonne Street from Harrison Avenue to Kenilworth Street in New Orleans, the St. Tammany Parish Justice Center, the St. Tammany Parish Justice Center Parking Garage and Office Building, and a reinforced concrete Bulkhead for the New Orleans Lakefront Airport. Contracts completed under his management are as follows:

West Esplanade and Houma (LS-F8-3) Sewer Lift Station Replacement, Jefferson Parish, LA: Replacement of existing flooded suction type station with a dry pit, wet well and discharge force main with an emergency pump out valve pit and control panel which has 2-5 HP pumps discharge into a 6" force main running along West Esplanade transitioning into an 8" HOPE force main which discharges into Lift Station F7-17 Houma and Ithaca. The existing capacity is 465 GPM @ 35' TDH. The new station shall be a submersible lift station with a fiberglass wet well, valve pit and emergency pump out manhole and shall have the capacity as the existing lift station.

Dove Park, Little Creek, Starbucks Sewer Force Main and Gravity Lines, Mandeville: Extension of force main along Dove Park Road and along Louisiana Highway 59 to connect a new subdivision, perform upgrades for the Church of the King Complex, and to connect new commercial development to the existing sewer system. Project also include gravity sewer line for each of these developments.

Greenbriar Sewer and Water Upgrade Improvements: Approximately 2 miles of 10" sewer force main and 8" water main installation for the development of a new subdivision and medical surgical center. Project also includes diverting of existing sewer flows into new sewer force main.

West Bank Expressway and Saddler Street (LS-L11-1) Sewer Lift Station Upgrades, Jefferson Parish, LA: Upgrading an existing lift station whose pumps are outdated and not operating at full capacity. Design services to include a new wet well, valve pit, pumps, piping, valves and other miscellaneous improvements for new NEMA pumps, electrical work, and controls required for the construction of the station.

Sibley and Mississippi at W. Napoleon Sewer Lift Station Improvements, Kenner, LA: Upgrading an existing 3" self-priming pump station to a 4" self-priming pump station at the intersection of Sibley and W. Napoleon. Improvements to an existing self-priming pump station at Mississippi and W. Napoleon were to replace the existing lift station with a new duplex submersible pump system. This project also required directional drilling of 1,450 linear feet of 8" SDR-11 HDPE sewer force main under West Napoleon Ave.

PS-E7-1 Pump Station Improvements (Kawanee and Page), Metairie, LA: Project consisted of $1.75 Million of improvements to an existing 7.5 MGD sewer lift station. Improvements called for dual 200Hp submersible pumps to be added to the existing self-priming pumps. Two separate 10 feet diameter fiberglass valve pits were added. The first valve pit was for double disk gate valves and 16" check valves. The other valve pit was incorporated to hold two 12" surge relief valves to protect the existing asbestos cement sewer force mains from rupturing when the large pumps turn on. To also protect the existing AC force mains, the control panel was designed

with "slow starts" to help minimize the hammering effect. Design also kept the existing duplex self-priming pumps to operate when high levels of I & I are present.

Sewer Rehabilitation Program LS 4208 (Granada & Martinique) Sewer Lift Station and Sewer Force Main Improvements, Kenner, LA: Design of $1.03 million sewer lift station improvements to replace a dual self-priming pump station with a duplex submersible sewer lift station for the City of Kenner Department of Public Works. This project also required upgrading the existing sewer force main by directional drill of a 12" SDR-11 HDPE sewer force main.

Mandeville Sewer Lift Stations 2, 11 & D, Mandeville, LA: Performed theoretical hydraulic study to validate pumping capacities, engineering design of hydraulic, structural, mechanical, and electrical elements for the upgrades of 3 existing SLS's. The first LS upgrade involved replacing a self-priming duplex station with 7.5 HP motors to a submersible pump station. This includes control panel, pumps, motors, wet well, and valve pit. The second SLS was a duplex self-priming system, with 7.5 HP motors was also converted into a submersible pump station, including wet well conversion, valve pit, pumps, motors, and control panel. The thirds SLS was a submersible duplex station with 3 HP motors that required the replacement and upgrade of the control panel and internal piping.

Tamanend Hwy. 434 Development: Design for an 850 acre private development in St. Tammany Parish of 4,800 linear feet of four-lane roadway and 2,800 linear feet of two-lane roadway with a combination of 16" and 12" water main loop along the length of the roadway. The work involved the development of 6 sewer lift stations, a sewer treatment plant and 2.2 miles of 3", 6", 8", 10" and 12" sewer force main. Project also involves the implementation of a new pedosphere water tower.

Citywide Sewer Maintenance and Rehabilitation Project, City of Slidell: Citywide evaluation of existing sewer infrastructure. Locate and determine problem areas, isolate defective areas, and prepare plans and specifications for proper repair methods. Repair methods included total removal and replacement of gravity lines and manholes, point repairing gravity lines and manholes and lining of gravity lines and manholes.

Dwyer Road Intake Canal: Design of 1.3 miles of 10'x10', 10'x12' and 11'x14' reinforced concrete box culvert canal for the Sewerage and Water Board of New Orleans and the United States Corps of Engineers in New Orleans East paralleling an existing box canal. Work involved relocating 30" SFM, 20" waterline and other utilities, removing and replacing roadway, and tying new box canal to existing box canal in several locations. This project was funded through U.S. Army Corps of Engineers Southeastern Louisiana Flood Program.

Sewer Lift Station Replacement, Essen Lane, Baton Rouge - Project Design and Construction Administration for the relocation and replacement of a sewer lift station and sewer force main. Regions Bank requested relocating the sewer lift station to enhance their bank site layout while offering to upgrade the stations pumping capacity.

Gabriel Subdivision, Kenner, LA: Design for a residential community of 219 lots extending over a site in excess of 70 acres. Design included new water distribution system, sewer infrastructure improvements consisting of 10,850 linear feet of gravity sewer main, manholes, 215 GPM sewer lift station and 6,450 linear feet of 6" sewer force main. All work was in accordance with Jefferson Parish and City of Kenner Sewerage regulations.

Carondelet and Chestnut Street Improvements, New Orleans, : NO DPW 95-14-02-B: Design of a $1.45 Million street, drainage, water and sewer project involving three city blocks of sewer lining, drainage point repairs and asphalt mill and overlay and four city blocks of complete re-construction of asphalt pavement and public utilities. Reconstruction of the 4 block portion bisected Sacred Heart School. Access to and from school for pedestrians and vehicles were maintained at all times.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

LOYD E. LUTON, P.E., *Manager – Construction Services*

Project Assignment:

Construction Administration, Civil Engineer, QA/QC

Name of Firm with which associated:

Richard C. Lambert Consultants, LLC

Years' experience with this Firm:

26

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1978 / Civil Engineering / West Virginia University / Cum Laude

Active registration: Year first registered/discipline:

1982 Civil LA #20179 1996 Civil MS #12858 1998 Civil TX #84375

Other experience and qualifications relevant to the proposed Project:

Mr. Luton has extensive experience in the administration and inspection of construction of contracts. With his special attention to detailed monitoring, reporting, and communication, Mr. Luton brings every project to successful completion.

Sibley and Mississippi at W. Napoleon Sewer Lift Station Improvements, Kenner, LA: Construction Administration for upgrading an existing 3" self-priming pump station to a 4" self-priming pump station at the intersection of Sibley and W. Napoleon. Improvements to an existing self-priming pump station at Mississippi and W. Napoleon were to replace the existing lift station with a new duplex submersible pump system. This project also required directional drilling of 1,450 linear feet of 8" SDR-11 HDPE sewer force main under West Napoleon Ave.

PS-E7-1 Pump Station Improvements (Kawanee and Page), Metairie, LA: Construction Administration of $1.75 Million of improvements to an existing 7.5 MGD sewer lift station. Improvements called for dual 200Hp submersible pumps to be added to the existing self-priming pumps.

Sewer Rehabilitation Program LS 4208 (Granada & Martinique) Sewer Lift Station and Sewer Force Main Improvements, Kenner, LA: Construction Administration of $1.03 million sewer lift station improvements to replace a dual self-priming pump station with a duplex submersible sewer lift station and directional drill of 12" HDPE sewer force main for the City of Kenner Department of Public Works.

Katrina-Related Drain Line Cleaning and Catch Basin Repairs in New Orleans - $12.2 million Drain Line Cleaning and Catch Basin Repair costs. Utilizing video inspection of existing drain lines, RCLC identified blockages in residential drainage systems and designed the repair of over 500,000 linear feet of subsurface drain lines and over 400 structures.

Management and Monitoring of **Katrina-Related Drainage System Point Repairs in New Orleans** – $1.9 million maintenance project for the Department of Public Works to replace damaged sections of drain line throughout the City. Over 100 of the 400 repairs were attributed to damage from Hurricane Katrina recovery actions, and thus, funded by FEMA.

Drainage Point Repairs, New Orleans: $4.2 million-dollar maintenance project for the Department of Public Works.

West Napoleon Avenue (Roosevelt Avenue to David Drive) Project 742-07-0092: A $12.54 million project for the Jefferson Parish Department of Engineering. This project included the construction of a new four-lane roadway, divided by a canal with concrete flumes and box culverts, and all associated underground utilities.

A 13 million-dollar drainage pumping station for the Sewerage and Water Board of New Orleans, this project involved the total construction of the station from intake to discharge basins, the building to house two 500 cfs horizontal pumps, and all associated electrical and mechanical facilities.

Power Boulevard (I-10 to W. Esplanade), Project No. 742-26-0009: A $4.8 million project which consisted of widening an existing divided street and overlay. Included new drainage system and water line.

Tchoupitoulas Street (Phase II - Henry Clay Avenue to Napoleon Avenue), Project No. 742-36-0002: An $8 million Urban Systems' concrete street replacement project for the City of New Orleans Department of Public Works. This project included the replacement of all underground water, sewer, and drain lines.

Louisiana Avenue Parkway (Phase II - S. Claiborne Avenue to S. Broad Street), Project No. 742-36-0004: A $4.9 million Urban Systems' concrete street replacement project for the City of New Orleans Department of Public Works. This project included a new major drainage system and replacement of other underground water and sewer lines.

Argonne Street (Kenilworth - Harrison), Project No. 95-14-02A: A $3.18 million concrete street replacement project for the City of New Orleans Department of Public Works. This project included a new major drainage system and replacement of other underground water and sewer lines.

Carondelet and Chestnut Streets (Robert – Napoleon and Lyons – Bordeaux), Project 95-14-02B: A $1.4 million asphaltic concrete street mill and overlay and complete replacement project for the City of New Orleans. This project included a new major drainage system, replacement of other underground water and sewer lines, and lining of about 1,000 linear feet of existing vitrified clay sewer lines.

Clematis Street (Gentilly – Humanity), Project 95-15-01D: A $3.13 million street replacement project for the City of New Orleans. This project included alternate pavement designs in Portland cement concrete and asphaltic concrete, a new major drainage system, and replacement of other underground water and sewer lines.

Mounes Street Extension (Edwards Avenue to Hickory Drive), Project No. 93-052-RBI: A $2.1 million new concrete street project for the Jefferson Parish Department of Engineering. This project included a new major drainage system and other new underground utilities.

Hope Street (A.P. Tureaud - Elysian Fields), Project 92-15-D1: A $1.1 million asphalt street replacement project for the City of New Orleans Department of Public Works. This project included the replacement of underground water and drain lines.

Convention Center Boulevard (Henderson Street - Crescent City Connection), Project No. 95-01-02B (95B): A $1.2 million new concrete street project for the City of New Orleans Department of Public Works. This project included new major drainage system and other new underground utilities

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

ANGELA K. G. EYMARD, P.E., *Project Engineer*

Project Assignment:

Design, Civil Engineer

Name of Firm with which associated:

Richard C. Lambert Consultants, LLC

Years' experience with this Firm:

6

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1996 / Civil Engineering / Louisiana State University

Active registration: Year first registered/discipline:

2006 Civil LA #32928 2014 Civil CA #82435

Other experience and qualifications relevant to the proposed Project:

Mrs. Eymard has over 20 years of practice in Civil Engineering and has successfully completed projects of varying size and scope across the State of Louisiana, the State of Mississippi, and the State of California. Her professional experience includes designing plans, (road, drainage, water, sewer, and traffic), project management, and construction inspection of various projects. Mrs. Eymard is a Certified ATSSA Traffic Control Technician and Traffic Control Supervisor and is a registered flagger.

Experience with RCLC:

Dove Park, Little Creek, Starbucks Sewer Force Main and Gravity Lines, Mandeville: Extension of force main along Dove Park Road and along Louisiana Highway 59 to connect a new subdivision, perform upgrades for the Church of the King Complex, and to connect new commercial development to the existing sewer system. Project also include gravity sewer line for each of these developments.

Slidell Submerged Streets Projects, Lee Street Drainage Basin, Slidell, LA: Design for this drainage and sewerage point repairs and line replacements for damage sustained during Hurricane Katrina in the Lee Street Drainage Basin area. Also included are roadway and sidewalk repairs and reconstruction for areas damaged during debris removal activities post Hurricane Katrina.

US11 & US190B Intersection Improvements, Slidell, LA: Planning, study, and design of new sidewalks to comply with current ADA guidelines to allow safe access to/from Olde Towne, Amtrak Train Station, and Heritage Park, new signal design for the intersection of US 11 and US190B, and realigning connections of neighboring streets.

Alton Elementary School Parking Lot, Slidell, LA: Project Management, planning, and design for a parking lot to serve Alton Elementary School.

Project included design plans, drainage retention pond design, construction bid specifications, quantities estimate, construction estimate, and construction inspection.

Spring Lakes Subdivision, Goodbee, LA: Civil Engineering designer responsible for Hydrologic and Hydraulic (H&H) Study and design of detention ponds for the proposed subdivision. The 296 lot subdivision calls for three interconnected detention ponds to accommodate onsite and offsite drainage throughout the area.

Water Main Extension Along the St. Tammany Trace, Slidell, LA: Civil Engineering designer for a new 16" transmission water main to connect the City of Slidell's currently separated water systems that will allow water to be provided from one system to another in both directions. The design is to include a SCADA pressure monitoring device for the water main extension.

Additional Experience prior to RCLC:
ADNO Villa Additions / City of Slidell Waterline Extension, Slidell, LA: Civil Engineer and Project Manager responsible for design plans and specifications, permitting, construction bidding and inspection of 16" waterline extension of City of Slidell water system to serve the Archdiocese of New Orleans Villa Apartments.

AT&T / City of Slidell Waterline Extension, Slidell, LA: Civil Engineer and Project Manager responsible for design plans and specifications, permitting, construction bidding and inspection of a waterline extension of City of Slidell water system to serve the AT&T Maintenance Complex. Project included the closing of an existing well site along with necessary local government agency permitting.

Three Rivers Road Widening, Covington, LA: Civil Engineer designer responsible for drainage and paving design of widening and reconstruction of asphalt roadway, specifications, quantities estimate, and construction estimate. The project consisted of widening a 20' wide roadway within the existing 40' right-of-way without relocating any existing utilities including a gas line, fiber optic line, and telephone lines.

Haas Road Widening, Slidell, LA: Civil Engineer designer responsible for drainage and paving design of widening and reconstruction of asphalt roadway, right-of-way acquisitions, specifications, quantities estimate, and construction estimate.

84 Lumber Road, Pearl River, LA: Civil Engineer and Environmental Technician overseeing CDBG Environmental review for CDBG Gustav/Ike Grant, Environmental Phase 1 Site Assessment, drainage and paving design of local roadway for industrial park, engineering bid specifications, quantities estimate, and construction estimate.

LA1090 (Military Road) Corridor Improvements, Pearl River, LA: Civil Engineer drainage and paving design of local roadway for industrial park, engineering bid specifications, quantities estimate, and construction estimate. Projects included roundabout designs, roadway widening designs, and traffic signal design plans for the intersections of Military Road and Cleo road and the I-59 Northbound on/off ramps @ Military Road.

Lindberg Extension and Shortcut Highway (US 190B) Turning Lane Improvements, Slidell, LA: Civil Engineer and Project Manager overseeing Traffic justification study, including site planning, traffic planning calculations, traffic pass through counts, and existing traffic conditions for the extension of Lindberg Drive Service Road following its full access closure by LADOTD. Design of left turning lane, traffic signal modifications, specifications, quantities estimate, and construction estimate for Shortcut Highway following the approval of the traffic justification study and the construction of the Lindberg Drive extension.

Gause Boulevard (US 190) Turning Lane Improvements, Slidell, LA: Civil Engineer and Project Manager overseeing paving and traffic signal design of local roadway including engineering bid specifications, quantities estimate, construction estimate, and Construction inspection. Project also included restriping of one-way road into a two-lane roadway.

Marigny Elementary School Sidewalk, Turning Lanes, and Bus Access Road, Mandeville, LA: Project Management, planning, and design included a new K-1 Elementary School for St. Tammany Parish School Board with a separate school bus access road and sidewalk with crosswalks connecting Marigny Elementary School with Lake Harbor Middle School and Magnolia Trace Elementary School. Roadway improvements included turning lane design into main entrance of site on Viola Street and separate bus access road into rear of property off of Louisiana Highway 59.

West Hall Avenue Trail, Slidell, LA: Planning and design included a new pedestrian sidewalk and bike trail to connect to the Tammany Trace and continue with future designs to Heritage Park in Slidell with alternate routes for this shared use path.

Oak Alley Subdivision, Covington, LA: Civil Engineer and Project Manager overseeing design and construction engineering on 295 lot subdivision including highway turning lane design for LADOTD driveway permitting, quantities estimate, construction estimate, and Construction inspection.

Moneyhill Subdivision, Abita Springs, LA: Civil Engineer and Project Manager overseeing design and construction engineering on Phase 7A of subdivision including roadway, drainage, sewer, and water design, local agency permitting, quantities estimate, construction estimate, and Construction inspection.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
ARTHUR LEDET, P.E., *Design Engineer*
Project Assignment:
Assist in the design and development of plans and specifications
Name of Firm with which associated:
Richard C. Lambert Consultants, LLC
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
Bachelor of Science/ 2013 / Civil Engineering / University of New Orleans (UNO)
Active registration: Year first registered/discipline:
2017 Civil LA #41815
Other experience and qualifications relevant to the proposed Project:
Mr. Ledet has experience in Transportation/Traffic engineering including traffic impact analysis, signal warrant analysis, data collection, geometric design, and roundabout design. He is proficient in the use of AutoCAD, SIDRA Intersection, Synchro plus SimTraffic, TEAPAC, Highway Capacity Software (HCS), and CORSIM. Recently, Mr. Ledet has been leading the Construction Administration and Construction Management portion of several projects.. **Mandeville Sewer Lift Stations 2, 11 & D, Mandeville, LA:** Performed theoretical hydraulic study to validate pumping capacities, engineering design of hydraulic, structural, mechanical, and electrical elements for the upgrades of 3 existing SLS's. The first LS upgrade involved replacing a self-priming duplex station with 7.5 HP motors to a submersible pump station. This includes control panel, pumps, motors, wet well, and valve pit. The second SLS was a duplex self-priming system, with 7.5 HP motors was also converted into a submersible pump station, including wet well conversion, valve pit, pumps, motors, and control panel. The thirds SLS was a submersible duplex station with 3 HP motors that required the replacement and upgrade of the control panel and internal piping. **Gabriel East, Kenner, LA:** Design for this 12 acre Residential Development in Jefferson Parish and approximately 13,000 feet of roadway. The work included the development of a gravity sanitary sewer collection system and a water distribution system that tied into the existing infrastructure. Subsurface drainage was also designed and tied into the existing infrastructure. Subsurface drainage was also designed and tied into the existing infrastructure. **East Bedico Creek, Tangipahoa Parish:** Design for this 64 acre Residential Development in Tangipahoa Parish and approximately 8,750 linear feet of roadway. The work included the development of a gravity sanitary sewer collection system, a sewer lift station with a 6,000 foot sewer force main routed to the adjacent subdivision to the east, and a water distribution system. **H.007275.6: St. Charles Avenue (Nashville to LA Ave), Orleans Parish:** Construction Manager for the cold mill and overlay of the existing asphaltic concrete on the east and westbound lanes of St. Charles Avenue between U.S. 90B Service Road (Calliope Street) and Napoleon Avenue. This project also includes curb drainage replacement as necessary to provide a longitudinal profile for proper drainage, repair of sub-base as necessary, minor point repair and cleaning of catch basins, and restriping travel lanes, parking lanes and intersections as necessary. **H.011276 & H.011794: NO Airport Connector Road Segments A & B, Jefferson Parish:** Construction Manager for a new four-lane median divided roadway with sound walls for the northern airport right-of-way property line to the southern right-of-way line of Veterans Memorial Blvd. And generally within the Aberdeen Street corridor (Segment A). Addition of a left-turn lane and upgrade traffic signals at the intersection of Loyola Drive and Veterans Blvd. As well as, the addition of a left-turn lane at the intersection of I-10 and Loyola Drive (Segment B). Related work for both projects include sidewalks, drives, curbing, barrier rail, roadway widening, surcharge, detours, signage, striping, box culvert bridge, tree removal / clearing & grubbing, and drainage. **HMGP#1603-117-0014, FEMA-1603-DR-LA, Project #0380: Washington Parish Culvert Replacement Program:** Washington Parish Public Work identified forty-seven (47) locations where frequent flooding, bank erosion, and overtopping occur during rain events. H&H Study and construction documents evaluated each of these locations. Project intent was to reduce the frequency of adverse events upstream of the existing stream crossing by increasing conveyance of storm flows. Performed Hydrologic and Hydraulic Studies of the location areas and designed drainage crossings to convey 25-year storm flows. Prepare contract documents to remove bridges, install culverts, and construct new roadway. **Tamanend Subdivision – LA 434, Lacombe, LA:** Design for an 850 acre private development in St. Tammany Parish for 4,800 linear feet of four-lane roadway and 2,800 linear feet of two-lane roadway with a combination of 16" and 12" water main loop along the length of the roadway. The work involved the development of 6 sewer lift stations, a sewer treatment plant and 2.2 miles of 3", 6", 8", 10" and 12" sewer force main. Project also involves the implementation of a new pedosphere water tower. The work involved the development of a Hydrologic and Hydraulic (H&H) Study and design of linear detention ponds for the proposed subdivision. The intent of the H&H study is to determine optimum pond and structure sizes. **Tri-Centennial Place Parking – City Park, Orleans Parish, SPN H.009069:** Roadway replacement, parking, sidewalk and landscaping design with drainage improvements to the Tri-centennial Place area within City Park.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

ERIC KOCKEN, *Engineer Intern*

Project Assignment:

Assist in the design and development of plans and specifications

Name of Firm with which associated:

Richard C. Lambert Consultants, LLC

Years' experience with this Firm:

2

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 2019 / Civil Engineering / University of New Orleans (UNO)
Bachelor of Science / 2011 / Environmental Management System / Louisiana State University (LSU)

Active registration: Year first registered/discipline:

2020 Civil Engineer Intern LA #34412

Other experience and qualifications relevant to the proposed Project:

Mr. Kocken is currently certified in the State of Louisiana as an Engineering Intern (EI). Mr. Kocken has assisted in the design and study of major drainage systems and roadways improvements. He has worked on projects involving LIDAR manipulation and implementation of GIS information into ARC-GIS and modeling of floodplains in HEC-RAS. He has knowledge in storm water detention calculations utilizing programs and information systems such as LIDAR, topographical survey, AutoCAD, Hydraflow Hydrographs, HEC-HMS and HEC-RAS.

DeQuincy Airport Drainage Evaluation, DeQuincy: Drainage Engineer Intern for the evaluation of existing drainage for the DeQuincy Airport. The airport is prone to areas of flooding and is currently seeking drainage design alternatives to alleviate the flooding concerns. Project includes drainage modeling, hydrological report, engineering design, and planning services.

St. Tammany Parish Sustainable Growth Study: Drainage Engineer Intern for the engineering design and planning services within an area of St. Tammany Parish bounded by I-12 on the north, US HWY 190 to the west, Sharp Rd on the south, and LA HWY 59 to the east. This approximately 3,000-acre area in T7-R11E is prone to flooding and currently being actively developed. To allow development to continue without increasing flood risks to existing and future structures, a multi-faceted study is being conducted with the intent to recommend changes to parish regulations or procedures that will result in a more sustainable growth with detailed studies of the hydrology and hydraulics of the three drainage basins affecting the study area, which include Ponchitolawa Creek/ Little Creek, Bayou Tete L'Ours, and Bayou Chinchuba.

Washington Parish Watershed Initiative Grant For Drainage Culvert Improvements: Drainage Engineer Intern for the Washington Initiative Grant for Drainage Culvert Improvements. Washington Parish Public Works identified locations where frequent flooding, bank erosion, and overtopping occur during rain events. Performed hydrologic and hydraulic studies of the location areas using HEC-HMS and HEC-RAS models and designed drainage crossings to convey 25-year storm flows.

Lakeview North Group D, New Orleans: Engineer Intern for the remediation of damage caused from street inundation due to Hurricane Katrina. Involves site investigation to determine pavement replacement areas which are the direct result of street inundation or from secondary effects of debris removal.

Mounes Drainage Improvements Phase I, Jefferson Parish: Resident Inspector for drainage improvements along Mounes Street from Dickory Avenue to Crochet Ditch. The project consists of the installation of approximately 1,280 linear feet of precast 10'x8' box culverts which tie-in to the existing box culverts from the Pump-to-the-River (PTTR) project.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

LELAND WRIGHT, *CADD*

Project Assignment:

CAD Design

Name of Firm with which associated:

Richard C. Lambert Consultants, LLC

Years' experience with this Firm:

31

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1979 / Industrial Technology / Louisiana State University

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Wright has over 31 years' experience in Design and Computer Aided Drafting of Roadways, Major Drainage Systems, Parking Lots, Sewer & Water Systems, etc. Mr. Wright has experience in Civil, Structural and Electrical Drafting utilizing AutoCAD (Release 2016), cost estimating, Contract Administration, Structural Design and Inspection of Civil Construction Projects; Experienced in subdivision layout, drainage calculations, etc. LADOTD and City of New Orleans format plan preparation experience on Utility, Roadway and Drainage projects. His experience includes assisting in the design and drafting of the following projects:

Dove Park, Little Creek, Starbucks Sewer Force Main and Gravity Lines, Mandeville: Extension of force main along Dove Park Road and along Louisiana Highway 59 to connect a new subdivision, perform upgrades for the Church of the King Complex, and to connect new commercial development to the existing sewer system. Project also include gravity sewer line for each of these developments.

Greenbriar Sewer and Water Upgrade Improvements: Approximately 2 miles of 10" sewer force main and 8" water main installation for the development of a new subdivision and medical surgical center. Project also includes diverting of existing sewer flows into new sewer force main.

PS-E7-1 Pump Station Improvements (Kawanee and Page), Metairie, LA: CAD Design for the $1.75 Million improvements to an existing 7.5 MGD sewer lift station. Improvements called for dual 200Hp submersible pumps to be added to the existing self-priming pumps.

Stormwater Demonstration Project (West Metairie and North Woodlawn): CAD design for a 54" SFM, 2,216lf with 25ft deep crossing under a 4 lane roadway and major drainage canal.

Sewer Rehabilitation Program LS 4208 (Granada & Martinique) Sewer Lift Station and Sewer Force Main Improvements, Kenner, LA, Kenner, LA: CAD Design for sewer lift station improvements to replace a dual self-priming pump station with a duplex submersible sewer lift station for the City of Kenner Department of Public Works. Required upgrading existing sewer force main by directional drill of a 12" SDR-11 HDPE sewer force main.

Sibley and Mississippi at W. Napoleon Sewer Lift Station Improvements: CAD Design for upgrading an existing 3" self-priming pump station to a 4" self-priming pump station at the intersection of Sibley and W. Napoleon. Improvements to an existing self-priming pump station at Mississippi and W. Napoleon were to replace the existing lift station with a new duplex submersible pump system. This project also required directional drilling of 1,450 linear feet of 8" SDR-11 HDPE sewer force main under West Napoleon Ave.

Mandeville Sewer Lift Stations 2, 11 & D, Mandeville, LA: CAD Design for the theoretical hydraulic study to validate pumping capacities, engineering design of hydraulic, structural, mechanical, and electrical elements for the upgrades of 3 existing SLS's. The first LS upgrade involved replacing a self-priming duplex station with 7.5 HP motors to a submersible pump station. This includes control panel, pumps, motors, wet well, and valve pit. The second SLS was a duplex self-priming system, with 7.5 HP motors was also converted into a submersible pump station, including wet well conversion, valve pit, pumps, motors, and control panel. The thirds SLS was a submersible duplex station with 3 HP motors that required the replacement and upgrade of the control panel and internal piping.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
JOHN RANDALL, *ATSSA Certified Inspector*
Project Assignment:
Engineering Construction Observation
Name of Firm with which associated:
Richard C. Lambert Consultants, LLC
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
ATSSA Registered Flagger and TCT Courses
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:

Mr. Randall is proficient in construction observation and certified in temporary traffic control measures. He has performed Construction Inspection on the following project for RCLC:

FEMA Funded Recovery Roads Program – RR3 – West Bank Group A: CE&I for remediation of damage caused from debris removal operations due to Hurricane Katrina. Project involves site investigation to determine pavement replacement areas which are the direct result of street inundation or from the secondary effects of debris removal and utility and drainage work.

H.0110276 & H011794: New Orleans Airport Connector Road Segments A & B: CE&I for a new four-lane median divided roadway with sound walls for the northern airport right-of-way property line to the southern right-of-way line of Veterans Memorial Blvd. and generally within the Aberdeen Street Corridor (Segment A). Addition of a left-turn lane and upgrade traffic signals at the intersection of Loyola Drive and Veteran Blvd. as well as, the addition of a left-turn lane at the intersection of I-10 and Loyola Drive (Segment B). Related work for both projects include sidewalks, drives, curbing, barrier rail, roadway widening, surcharge, detours, signage, striping, box culvert bridge, tree removal / clearing & grubbing, and drainage**.**

H.0007177: Ames Boulevard Improvements (Barataria to East Ames), Jefferson Parish: Construction observer for a $6.26 million project consisting of Grading, Subsurface Drainage, Utilities (Including new water mains, services, and valves; new drainage lines and structures; and new sewer lines and force main offsets), Portland Cement Concrete Pavement Roadway Construction, Traffic Signal System, and Permanent Striping a main north/south roadway on West Bank of Jefferson Parish.

Canal Street Emergency Repairs, New Orleans, LA (5/16-9/16): Construction observer for this project of repairs to tunnel closure bulkheads under Canal and Poydras. Project also includes restoration of collapsed roadway and sidewalk pavements and bed and tracks for streetcar line.

LA1077-LA 21 Connector Road Feasibility Study and Design, Covington, LA, Project No. 300-00-13-08-4: Construction Observer for the construction for a new connector road extending from the existing roundabout along the Ochsner Blvd. extension to LA 1077 in St. Tammany Parish. Scope of Services includes line and grade analysis, roundabout evaluations, environmental assessment, traffic studies, complete streets analysis, and coordination with committed / unconstructed DOTD projects.

Lapin Street, Quail Creek & Forest Brook Drainage Improvements, Mandeville: Construction observer for this Comprehensive Drainage Analysis, Design and Construction Engineering and Observation for drainage Infrastructure improvements in St. Tammany Parish. Work is focused on reducing repetitive street flooding conditions in Forest Brook and Quail Creek subdivisions with construction of a new detention pond and increasing the storage volume of an existing detention pond in the area of Lapin Street. Project involved the movement of 86,000 cubic yards of earth.

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.

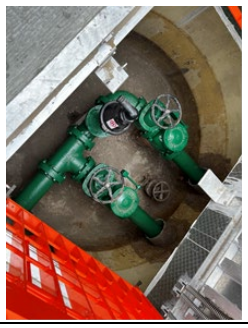
PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Sibley & West Napoleon and Mississippi & West Napoleon Upgrades and Force Main Improvements ***Kenner, LA*** *Jefferson Parish* *Department of Engineering* *1221 Elmwood Park., Suite 802* *Jefferson, LA 70123* *Angela DeSoto, PE, Director* *504-736-6512* 	**Design, Construction Administration and Resident Inspection** for the improvements to the Sibley sewer lift station required replacement of 3" self-priming pumps with 4" self-priming pumps to update equipment and to reduce clogging potential of 3" discharge. All intake and exit lines, gate valves and check valves were replaced. The existing control panel and SCADA were recently upgraded and utilized. The Mississippi sewer lift station improvements required the replacement of an existing self-priming lift station with a duplex submersible pumping system. Improvements called for increasing the flow capacity which required upgrading the existing sewer force main from a 4 inch to 6 inch. New control panels, SCADA, valves, fiberglass wet well and valve pit were required. Locating the new wet well and valve pit required offsetting existing drainage around these structures.   	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
12/2015 (A)	$1,234,000	$1,234,000

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Lee Street Drainage Basin Sewer Infrastructure Repairs ***Slidell, LA*** *City of Slidell, Dept. of Engineering* *2056 Second Street* *Slidell, LA 70459* *Blaine Clancy, PE, Director* *985-646-4270*	**Design, Construction Administration, and Inspection Services** drainage and **sewerage point repairs and line replacements and CIPP Lining** for damage sustained during Hurricane Katrina. Includes roadway repairs, reconstruction, and milling and overlay for local roadways per FEMA requirements.  	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2018 (A)	$4,500,000	$4,500,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
West Esplanade and Houma (LS-F8-3) Sewer Lift Station Replacement ***Jefferson Parish, LA*** *Jefferson Parish* *Department of Engineering* *1221 Elmwood Park., Suite 802* *Jefferson, LA 70123* *Angela DeSoto, PE, Director* *504-736-6512* 	**Design** for the replacement of the existing Lift Station F8-3 which is a flooded suction type station with a dry pit, wet well and discharge force main with an emergency pump out valve pit and control panel. 2-5 HP pumps discharge into a 6" force main that transitions into an 8" HDPE force main where it discharges into Lift Station F7-17 with an existing capacity is 465 GPM @ 35' TDH. The new station shall be a submersible lift station with a fiberglass wet well, valve pit and emergency pump out manhole with the same capacity including odor control. The new control panel will be above the base flood elevation with the Station being on a pile foundation.   	
Completion Date (Actual or estimated)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 (A)	$875,167	$875,167

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Dove Park, Little Creek, Starbucks Sewer Force Main and Gravity Lines ***Mandeville, LA*** *St. Tammany Parish* *Department of Environmental Services* *Andrew Hontiveros, PE* *620 N. Tyler Street, Covington, LA 70433* *985-893-1717*	**Design** for the extension of force main along Dove Park Road and along Louisiana Highway 59 to connect a new subdivision, perform upgrades for the Church of the King Complex, and to connect new commercial development to the existing sewer system. Project also include gravity sewer line for each of these developments.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 (E)	$250,000	$250,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Sewer Rehabilitation Program LS 4208 (Granada & Martinique) Sewer Lift Station and Sewer Force Main Improvements, ***Kenner, LA*** *City of Kenner* *Dept. of Public Works* *1801 Williams Blvd, Kenner, LA 70062* *Tom Schreiner, Deputy CAO* *504-468-7515*	**Design and Construction Administration** for the replacement of an existing self-priming sewer lift station with a duplex submersible pumping station. Design entailed modeling the existing gravity sewer system to verify the existing flows to size the pumps. Project sequencing was done to minimize bypass pumping by utilizing adjacent space to construct new wet fiberglass well while existing self-priming pumps were still in operation. This project also required upgrading the existing sewer force main by directional drill of a 12" SDR-11 HDPE sewer force main. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
1/2014 (A)	$1,032,000	$1,032,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
West Bank Expressway and Saddler Street (LS-L-11-1) Sewer Lift Station Upgrades ***Jefferson Parish, LA*** *Jefferson Parish* *Department of Engineering* *1221 Elmwood Park., Suite 802* *Jefferson, LA 70123* *Angela DeSoto, PE, Director* *504-736-6512*	**Design** for the upgrades to the West Bank Expressway and Saddler Lift Station (L11-1) which is composed of 2-5HP. The existing pumps are 4 inch with a capacity of 450 GPM Each. The valves and piping in the station are 6 inch. The current pumps at this station are outdated and operation is not at its full capacity and also has clogging at times due to receiving flow from Archbishop High school. The station's upgrades will include a new wet well, valve pit, pumps, piping, valves and other miscellaneous improvements. Design services for new NEMA pumps, electrical, and controls required for the construction of the station is to be included. Project is on hold while Jefferson Parish secures servitudes.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 (E)	$767,738	$767,738

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Dwyer Road Intake Canal ***New Orleans, LA*** *Sewerage and Water Board of New Orleans* *625 St. Joseph St., Rm. 311* *New Orleans, LA 70165* *Ron Spooner, PE* *504-585-2365*	**Design** of 1.3 miles of 10'x10', 10'x12' and 11'x14' reinforced concrete box culvert canal for the Sewerage and Water Board of New Orleans and the United States Corps of Engineers in New Orleans East paralleling an existing box canal**. Work involved relocating 30" SFM, 20" waterline and other utilities**, removing and replacing roadway, and tying new box canal to existing box canal in several locations. Major improvements to the suction canal for the Dwyer Road Pumping Station. Drainage work included forming and placing reinforced concrete boxes, connecting existing drainage to new system, utility relocations, sewer line adjustments and roadway removal and replacement. This project was funded through U.S. Army Corps of Engineers Southeastern Louisiana Flood Program. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2009 (A)	$53,000,000	$26,500,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Mandeville Sewer Lift Stations 2, 11 & D, ***Mandeville, LA*** *City of Mandeville* *Department of Public Works.* *1100 Mandeville High Blvd.* *Mandeville, LA 70471* *Keith LaGrange, Director* *985-624-3169*	Performed theoretical hydraulic study to validate pumping capacities, engineering design of hydraulic, structural, mechanical, and electrical elements for the upgrades of 3 existing SLS's. The first LS upgrade involved replacing a self-priming duplex station with 7.5 HP motors to a submersible pump station. This includes control panel, pumps, motors, wet well, and valve pit. The second SLS was a duplex self-priming system, with 7.5 HP motors was also converted into a submersible pump station, including wet well conversion, valve pit, pumps, motors, and control panel. The thirds SLS was a submersible duplex station with 3 HP motors that required the replacement and upgrade of the control panel and internal piping.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2018 (A)	$1,400,000	$1,400,000

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Gabriel Subdivision (Phase 1 and 2) ***Kenner, LA*** *Jefferson Parish* *Department of Engineering* *1221 Elmwood Park., Suite 802* *Jefferson, LA 70123* *Angela DeSoto, PE, Director* *504-736-6512*	Phase 1 included the **Design and Construction Administration** for this residential community of 219 lots extending over a site in excess of 70 acres. Design included sewer infrastructure improvements consisting of 10,850 linear feet of gravity sewer manholes, 215 GPM sewer lift station, 6,450 linear feet of 6" Sewer Force Main and **new water distribution system** for the subdivision. All water work was in accordance with Jefferson Parish Dept. of Utilities Regulations. Phase 2 includes **Design and Construction Administration** of an additional 32 lots located east of the existing subdivision. Design included 1,075 linear feet of gravity sewer manholes and new water distribution system for the additional lots. All water work was in accordance with Jefferson Parish Department of Utilities Regulations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
Phase 1 – 2001 (A) Phase 2 – 7/2017 (A)	Phase 1 – $5,200,000 Phase 2 – $1,700,000	Phase 1 – $5,200,000 Phase 2 – $1,700,000

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
West Napoleon Avenue **(David Dr. to Roosevelt Ave.)** ***Jefferson Parish*** *Jefferson Parish Dept. of Engineering,* *1221 Elmwood Park., Suite 802,* *Jefferson, LA 70123* *Angela DeSoto, PE, Director* *504-736-6512*	**Project Planning, Design Services, and Construction Engineering & Inspection** for an Asphaltic Concrete Urban Arterial Roadway with asphalt pavement and concrete curb and gutter. Major drainage improvements, including reinforced concrete drainage canal, flumes, and box culverts. The project was funded through the LADOTD TIMED Program and also included the **design of two drainage pump station relocations in Jefferson Parish with drainage, water and sewer improvements.** 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2/2006 (A)	$12,500,000	$12,500,000

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.

Richard C. Lambert Consultants, LLC is a multi-disciplined consulting firm founded in 1987 and is recognized for its professionalism, competency, accurate calculation of pay quantities, fairness, economical negotiation of additional work, and insightful input to the contractor regarding contract time and progress. All this translates into highly effective management of the project with minimal overruns in cost and time and no unresolved disputes that escalate into litigation. The firm's staff is familiar with the project area and consists of long-term, low-turnover dedicated employees. **RCLC has been in continuous practice for 35 years in southeast Louisiana and has a thorough understanding of all Jefferson Parish requirements and standards.**

In-house Professional Staffing include Licensed Engineers, CADD Operators, Field Construction Observers, Certified LADOTD Field Inspectors, Administrative Personnel, and Support Staff. Our Engineers and Construction Observers are also ATSSA Certified for Traffic Control Supervisors as required by LADOTD. **RCLC clearly has all of the resources and capabilities necessary to perform all of the services required for this project.**

Since our inception, RCLC has completed numerous sewer related design projects across southeastern Louisiana, for which we designed and performed construction administration services. RCLC has designed numerous sewer improvement projects by carefully preparing plans and specifications to meet the needs of our clients. RCLC's Project Team has all of the resources and capabilities to perform all of the services required for this project.

MINIMUM QUALIFICATIONS:

1. Richard C. Lambert, PE is the principal of Richard C. Lambert Consultants, LLC and is a licensed, registered professional engineer in the State of Louisiana.
2. Richard C. Lambert, PE is the principal of Richard C. Lambert Consultants, LLC and is the Professional in Charge of the Project who is a licensed professional civil engineer registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved for this Project. *(Mr. Lambert has over 30 years' experience.)*
3. Mr. Franz J. Zemmer, Mr. Loyd Luton, Mrs. Angela K.G. Eymard, and Mr. Arthur Ledet are professional civil engineers licensed and registered as such in Louisiana, in the applicable discipline required for the project and are familiar with current Department of Transportation & Development (DOTD), Federal Highway Administration (FHWA) and Federal American Association of State Highway & Transportation Officials (AASHTO) design standards and plan preparation guidelines.

TEC Professional Services Questionnaire

FIRM'S PROFESSIONAL TRAINING & EXPERIENCE:

RCLC is managed by Richard C. Lambert, PE, who will be involved daily in the supervision, planning, and control of the processes required by this RFQ. **RCLC's Project Design Team** will be led by **Frank Zemmer, PE**, **Partner of the firm and our Senior Design Engineer in Responsible Charge,** from conception to completed construction. **Lloyd E. Luton, PE, Angela K.G. Eymard, PE, and Arthur Ledet, PE** will be fully engaged on the project and are highly experienced in Project Management, Design, Public Bids, and Construction Administration. RCLC adheres to LADOTD's Quality Control Plan/Quality Assurance Manual.

RCLC employs the latest technologies with regards to the production of engineering documents. Our design team uses the most current version of MicroStation and AutoCAD Civil 3D with additional design tools including Autodesk Civil 3D, Revit (MEP and structural), ArcGIS, Hydroflow, HEC-HMS, HEC-RAS, etc. We are able to manipulate raw GIS and survey data into digital terrain models and elaborate infrastructure system models. These models are used to develop roadway alignments. We have also developed proprietary software for cost estimating, project tracking, specification development, building assessment, and programming.

The staff at RCLC maintains training with the latest applicable guidelines and codes and continuing education. Our design professionals have attended relevant seminars and are experienced in recent changes to the LADOTD design standards, NPDES, LADEQ, LADHH, AASHTO guidelines and MUTCD, NEPA, and the latest ADA requirements.

RCLC is qualified to provide all engineering services for the lift station improvements for project design and the development of construction documents. RCLC has successfully designed and administered the construction of numerous Sewer Projects and lift station designs, repairs, and replacements located in Jefferson Parish. ***Please find detailed personnel resumes and project experience within Section K and L of this packet.***

SIZE OF FIRM:

RCLC possesses all of the resources and staff necessary for this project. The Firm generally employs our core staff of 20 to 26 employees, and with subconsultants Pivotal Engineering, Inc, BFM Corporation, LLC, and Gulf South Engineering and Testing, Inc. nearly unlimited additional resources are available. RCLC has worked well with each of our subconsultants. Pivotal Engineering Inc. will be responsible for Electrical Engineering Services. BFM Corporations, LLC will be handing Surveying Services. Gulf South Engineering and Testing, Inc. will be responsible for Geotechnical Services. ***Please see Section E for RCLC Personnel breakdown by discipline.***

CAPACITY FOR TIMELY COMPLETION OF WORK:

Richard C. Lambert Consultants, LLC has sufficient staff and expertise to meet the time frames associated with this type of project and will commit the staff and effort as needed to perform all Jefferson Parish Professional Work within the budget and on schedule. RCLC has created practices and procedures to efficiently execute the process from start to finish. All team members will be involved and contribute to the success of the project.

Over the last three decades, RCLC has never been put in default or failed to achieve any schedule required by contract. This is due to the companies practices and procedures of carefully tracking the project schedule from start to finish and maintaining communication with our clients. The firm has successfully completed very large infrastructure projects of over $50 million in construction value on time and under budget. Our familiarity with Jefferson Parish and its departments will result in direct communications of the Parish's directives and intentions for the design of the project. There are conditions when issues beyond the control of RCLC affect the schedule. This occurred on Ames Boulevard which was selected by LADOTD. The project schedule was impacted by field conditions which were not as represented in the plans. Several private utilities had not been relocated causing the contractor delays. These types of incidents should not reflect negatively on RCLC's ability to complete projects within the allotted schedule.

During the course of a project, if a deadline is approaching, RCLC is in constant contact with the Project Manager to avoid potential delays and resolve these issues to keep the project moving along. For instance, early on in the design process for the Saddler Sewer Lift Station Improvements Project, RCLC notified Jefferson Parish Sewer Capital Improvements Program that the preferred location appeared to be outside of the apparent public right-of-way. Currently this project is on hold until a servitude can be acquired. Developing proactive design solutions to potential problems during construction are results of experienced Engineering and such delays, when necessary should never negatively reflect on the ability to complete projects in a timely manner.

TEC Professional Services Questionnaire

All RCLC Jefferson Parish sewer design projects have been within the project schedule. RCLC, with our subconsultants and our team of highly trained professionals, will be dedicated to the completion of the project in the minimum amount of time and providing a timely response to any correspondence dealing with projects.

RCLC CURRENT WORKLOAD		
Project Name	**Type/Description**	**Status**
WEST BANK EXPRESSWAY AND SADDLER LIFT STATION (L11-1) UPGRADES	Design of upgrades to existing sewer lift station. Project on hold while Jefferson Parish secures servitudes.	*Currently in Design / On Hold*
NORTH GROUP C LAKEVIEW, NEW ORLEANS	Design and construction administration for remediation of damage caused from street inundation due to Hurricane Katrina.	*Currently in Construction*
WEST ESPLANADE BRIDGES @ DUNCAN CANAL	CE&I for replacing outdated and deteriorated bridges along West Esplanade @ Duncan Canal.	*Currently in Construction*
WEST END GROUP B, NEW ORLEANS	Design and construction administration for remediation of damage to water and sewer lines caused from street inundation due to Hurricane Katrina.	*Currently in Construction*

RCLC has an exemplary record of designing and producing construction contract documents that are clear and understandable to Bidders. Lack of construction claims and minimum increases in construction costs during construction are a true testament to RCLC's long history of successful projects with Jefferson Parish.

Combined with our project history of the local area, our Design and Construction Administration personnel are intimately familiar with the conditions that will be encountered during sewer projects. We will minimize the effects on neighboring businesses and residents. All of this will allow us to expedite the design by receiving prompt permit approvals from all agencies as the result of our extensive knowledge.

RCLC has the staff and expertise to meet the time frame associated with the completion of this project. RCLC has always committed the staff and effort needed to perform all work within budget and in a timely and professional manner.

PAST PERFORMANCE ON PUBLIC CONTRACTS:

We have completed hundreds of infrastructure design projects across southeastern Louisiana over our 35 years in business, for which we designed and performed construction administration services. RCLC has successfully fulfilled all contractual obligations on all Parish/LADOTD Construction Administration Contracts, with all project paperwork involved accepted without repeated visits or controversy. FHWA reports on our projects indicated that the work was performed properly. This is due to the extensive experience of the personnel assigned to the projects. **Jefferson Parish, LADOTD or FHWA funds have never been withheld on RCLC projects.**

RCLC has successfully completed professional contracts without litigation for public and private sector clients including, Jefferson Parish, LADOTD, Sewerage & Water Board of New Orleans, the City of New Orleans, the City of Kenner, Non Flood Protection Asset Management Authority, the Orleans Levee District, LANOIA, St. Tammany Parish, the City of Slidell, St. Bernard Parish, Washington Parish, and many National Private Sector Clients, etc. **RCLC has been recognized on our past public contracts for the absence of any notable problems with delays, cost overruns and/or design inadequacies. We have never had litigation relative to any projects, and we pride ourselves for being on time and within budget with public and private contracts.**

RCLC has never experienced difficulty in meeting budgets, deadlines, or design quality expectations on our projects. The multitude of public work shown and repeat clients are evidence of this fact. **RCLC was ranked 1st in 2021 in and 2015 and 4th in 2016 for the ranking of over 72 Firms for New Orleans Public Works. RCLC has regularly been ranked 1st, selected by LADOTD, and consistently receives high ratings from LADOTD for Construction Administration Projects in Jefferson Parish.**

OFFICE LOCATION:

Our Jefferson Parish office, which is located at 15 Veterans Boulevard, Kenner, LA 70062, will be supported by RCLC's Mandeville Headquarters. With RCLC's **Jefferson Parish office** in the same location as our Surveying and Geotechnical subconsultants, this allows our team to function as a coordinated unit and the ability to mobilize for the project quickly to be available to complete the project in a timely manner. The substantial resources of our team's office make the completion of any assigned project successful.

STATUS OF CURRENT OR PAST LITIGATION WITH PUBLIC ENTITY, IF ANY:

NONE. RCLC has successfully completed all professional contracts without litigation for Jefferson Parish.

TEC Professional Services Questionnaire

CURRENT AND PREVIOUS JEFFERSON PARISH WORK:

Harvey Wastewater Treatment Plant Rehabilitation of Existing trickling Filter (Subconsultant)
West Bank Expressway and Saddler Lift Station (L11-1) Upgrades
Houma and West Esplanade Sewer Lift Station (LS-F8-3) Upgrades
$12.5 Million West Napoleon Avenue (David Dr. to Roosevelt Ave.)
$1.8 Million Veterans Boulevard Back-to-Back U-turns
$2.2 Million Veterans Boulevard Overlay (Suburban Canal to Bonnabel Canal)
$2.1 Million Mounes Street Extension (Edwards Ave to Hickory Drive)
$6.5 Million Ames Boulevard Improvements (Barataria to East Ames)
$876 Thousand West Esplanade Avenue/Lake Avenue Intersection Improvements
$3.5 Million West Esplanade Panel Replacement (Clearview Pkwy to Bonnabel Blvd)
$4.3 Million Transcontinental Drive, (Phase I-I-10 to Quincy Street) & (Phase II-Quincy Street to Yale Street)
$2 Million Bonnabel Canal Reinforcement Box Culvert Project, Phase I
$6 Million Bonnabel Canal Drainage Improvements, Phase II
$6.5 Million West Napoleon Avenue (Green Acres to Kent Ave.)
$1.3 Million Sibley @ West Napoleon and Mississippi @ West Napoleon Sewer Lift Station Improvements
$2.5 Million Manhattan Blvd. (Gretna- US 90B) Overlay
$1.75 Million PS-E7-1 Pump Station Improvements (Kawanee and Page)
$989 Thousand Sewer Rehabilitation Program LS 4208 (Granada & Martinique) Sewer Lift Station and Sewer Force Main Improvements, Kenner, LA
$1.1 Million Ames Blvd. (Montgomery to Lapalco)
$4.8 Million Power Boulevard (I-10 to West Esplanade)
$2.95 Million Segnette Boulevard Overlay
$1.2 Million 26th Street Bridge over Canal No. 17 (Butler Canal)
$2.1 Clearview Drainage Improvements
$4.4 Million Hurricane Katrina-Related Debris Removal from Public Property in Jefferson Parish
$9.6 Million Jefferson Parish District Attorney Office Building
$10.5 Million Kenner Police Headquarters & Jail
Please see Section K Resumes and Section L Project Experience for additional information.

REFERENCES:

Jefferson Parish
1221 Elmwood Park., Suite 802, Jefferson, LA 70123
Mark Drewes, P.E., Public Works Director, 504-736-6783

City of Kenner, Department of Public Works
1801 Williams Blvd, Kenner, LA 70062
Tom Schreiner, Deputy CAO, 504-468-7515

St. Tammany Parish, Department of Engineering
21415 Koop Road, Mandeville, LA 70471
Daniel Hill, PE, Director, 985-898-2552

City of New Orleans, Department of Public Works
1300 Perdido St., Rm 6W03, New Orleans, LA 70112
Nguyen Phan, P.E., Chief Engineer, 504-658-8000

Sewerage & Water Board of New Orleans
8800 South Claiborne Ave, New Orleans, LA 70118
Ron Spooner, 504-585-2365

City of Slidell, Department of Engineering
2056 Second Street, Slidell, La 70459
Blaine Clancy, PE, Director, 985-646-4270

RCLC was founded in Jefferson Parish 35 years ago and has performed numerous Public Works projects for the Parish throughout our long established history in the Parish. We have been repeatedly selected for Major Projects throughout the Parish. We have **extensive experience in managing Public Bid Projects and Public Bid issues** and have minimized the impact of construction on adjacent businesses.

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

Signature: _____ **Print Name: Richard C. Lambert, PE**

Title: Principal-In-Charge, Manager/Member **Date: 06/30/22**

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/21/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Richard Christian Lambert
900 West Causeway Approach
Mandeville, Louisiana 70471

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

Mr. Richard Christian Lambert

License/Certificate Type - Number: PE.0022167

Expiration Date: 09/30/2023

Status: Active

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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).

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.

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
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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. Franz Joseph Zemmer
304 Chateau Sonesta Driv
Mandeville, LA 70471-851

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

Mr. Franz Joseph Zemmer

License/Certificate Type - Number	Expiration Date
PE.0028232	03/31/2023

Status: Active

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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. Loyd E. Luton
900 West Causeway Appr
Mandeville, LA 70471

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

Mr. Loyd E. Luton

License/Certificate Type - Number
PE.0020179

Expiration Date
09/30/2022

Status: Active

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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).

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.

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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:

Ms. Angela G. Eymard
P.O. Box 2392
Ponchatoula, LA 70454

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

Ms. Angela G. Eymard

License/Certificate Type - Number: PE.0032928

Expiration Date: 03/31/2023

Status: Active

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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).

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.

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/12/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Arthur Thomas Ledet
900 West Causeway Approach
Mandeville, Louisiana 70471

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

Mr. Arthur Thomas Ledet

License/Certificate Type - Number: PE.0041815

Expiration Date: 03/31/2024

Status: Active

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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).

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.

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.

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TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations

SOQ **22-028** | Resolution No. **139102**

B. Firm Name & Address:

BFM Corporation, LLC
15 Veterans Memorial Boulevard
Kenner LA 70062

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

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

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

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

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

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

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

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

BFM Corporation projects overseen by Mr. Poché would include:

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

Sewer Lift Station D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, LA. BFM Corporation was selected by the Jefferson Parish Sewerage Department to provide comprehensive topographic & right-of-way surveying services for the Sewer Lift Station D4-5 upgrade project located at S. Laurel Street & Mistletoe Street in Metairie, LA. With this upgrade project, the equipment must be confirmed to be elevated above the 100 year flood elevation. Project plans included relocation of the existing control panel. Other utilities in the area were identified so that there would be no conflicts. BFM provided all surveying services requested (defining/locating elevations, right of ways, servitudes, utilities, etc.) to ensure the successful completion of the project. ($5,930 (fee); 2022)

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, LA. BFM prepared a Servitude Survey for the 2700 Destrehan Sewer Lift Station; the survey built upon and served to revise BFM's previous work on the project site in 2019 which involved a full boundary survey update. The scope of services involved establishing both a temporary construction servitude (105 ft. x 70 ft.) and a permanent servitude (45 ft. x 40 ft.). ($4,200 (fee); 2022)

Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the Sewer Lift Station (Coventry Court & Jefferson Highway) project site in River Ridge, LA. Included in the project were establishing a Construction Benchmark (CBM), Temporary Benchmark (TBM), and location of improvements, utilities, and property corners, as well as taking spot elevations. A Finished Floor Elevation (FFE) was also obtained for the lift station compound and the existing electrical slab. ($5,910 (fee); 2020)

Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken. ($7,090 (fee); 2020)

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

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:

14 years (joined BFM in 2008); 15 years total (2007)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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)

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)

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM Corporation executed boundary and topographic surveying services for the 2700 Destrehan Lift Station project in Harvey, LA. The scope of services included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives. ($11,710 (fee); 2019)

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

Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken. ($7,090 (fee); 2020)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Gary J. Lambert, Jr., PLS
Registered Professional Land Surveyor

Project Assignment:

Registered Professional Land Surveyor; Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

B.S., 2018, Geomatics, Nicholls State University
B.S., 2014, Construction Management, Louisiana State University

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM Corporation executed boundary and topographic surveying services for the 2700 Destrehan Lift Station project in Harvey, LA. The scope of services included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives. ($11,710 (fee); 2019)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken. ($7,090 (fee); 2020)

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

Sewer Lift Station D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, LA. BFM Corporation was selected by the Jefferson Parish Sewerage Department to provide comprehensive topographic & right-of-way surveying services for the Sewer Lift Station D4-5 upgrade project located at S. Laurel Street & Mistletoe Street in Metairie, LA. With this upgrade project, the equipment must be confirmed to be elevated above the 100 year flood elevation. Project plans included relocation of the existing control panel. Other utilities in the area were identified so that there would be no conflicts. BFM provided all surveying services requested (defining/locating elevations, right of ways, servitudes, utilities, etc.) to ensure the successful completion of the project. ($5,930 (fee); 2022)

Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the Sewer Lift Station (Coventry Court & Jefferson Highway) project site in River Ridge, LA. Included in the project were establishing a Construction Benchmark (CBM), Temporary Benchmark (TBM), and location of improvements, utilities, and property corners, as well as taking spot elevations. A Finished Floor Elevation (FFE) was also obtained for the lift station compound and the existing electrical slab. ($5,910 (fee); 2020)

2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, LA. BFM prepared a Servitude Survey for the 2700 Destrehan Sewer Lift Station; the survey built upon and served to revise BFM's previous work on the project site in 2019 which involved a full boundary survey update. The scope of services involved establishing both a temporary construction servitude (105 ft. x 70 ft.) and a permanent servitude (45 ft. x 40 ft.). ($4,200 (fee); 2022)

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:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

8 years (joined BFM in 2014); 16 years total (2006)

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. 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.

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

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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Thomas O. Wright
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM Corporation executed boundary and topographic surveying services for the 2700 Destrehan Lift Station project in Harvey, LA. The scope of services included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives. ($11,710 (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:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

32 years (joined BFM in 1990); 32 years total (1990)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger
Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

Mr. Barrios' surveying experience includes boundary, hydrographic, and topographic. He has worked on location and performed topographic surveys for a number of major projects.

Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA. BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope. ($28,950 (fee); 2021)

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)

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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Gladney
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

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)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jeff Patin
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

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

Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken. ($7,090 (fee); 2020)

Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the Sewer Lift Station (Coventry Court & Jefferson Highway) project site in River Ridge, LA. Included in the project were establishing a Construction Benchmark (CBM), Temporary Benchmark (TBM), and location of improvements, utilities, and property corners, as well as taking spot elevations. A Finished Floor Elevation (FFE) was also obtained for the lift station compound and the existing electrical slab. ($5,910 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

11 years (joined BFM in 2011); 31 years total (1992)

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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.

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Shaun Clements
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

4 years (joined BFM in 2018); 37 years total (1985)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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.

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Ms. Hoffman serves as BFM's primary researcher and has more than 25 years of experience in this field. She is extremely knowledgeable with regards with researching in various parishes and cities.

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided surveying services for the project. The project's scope of services included boundary and topographic surveying of the project site. Research included obtaining available title data and courthouse research (as needed) to obtain servitudes for utilities or pipelines adjacent to the site. ($4,520 (fee); 2017)

Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA. BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). Scope included establishing a baseline parallel to the street. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer. ($6,620 (fee); 2017)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM Corporation executed boundary and topographic surveying services for the project. Scope included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives. ($11,710 (fee); 2019)

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 D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, Louisiana **Jefferson Parish Sewerage Department** 1221 Elmwood Park Blvd Ste 803 Jefferson LA 70123 **Sid Trouard, P.E.**, 504-736-6661 strouard@jeffparish.net	BFM provided comprehensive topographic & right-of-way surveying services for the Sewer Lift Station D4-5 upgrade project located at S. Laurel Street & Mistletoe Street in Metairie, LA. With this upgrade project, the equipment must be confirmed to be elevated above the 100 year flood elevation. Project plans included relocation of the existing control panel. Other utilities in the area were identified so that there would be no conflicts. BFM provided all surveying services requested (defining/ locating elevations, right of ways, servitudes, utilities, etc.) to ensure the successful completion of the project.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
March 2022	N/A	$5,930 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Three Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, Louisiana **ECM Consultants, Inc.** 4409 Utica Street Suite 200 Metairie LA 70006 **Sunina Shrestha**, 504-885-4080 mail@ecmconsultants.com	BFM Corporation provided Topographic & Route Topographic Surveying services (along a proposed force main route) for three lift station sites in Jefferson Parish. The lift stations included LS G8-1, G8-3, and H8-4B. The Scope of Services for the project involved establishing a baseline, Temporary Benchmarks (TBM), and spot elevations. Existing improvements (natural and man-made) were located, as were visible above-ground & underground utilities. The survey also located property corners to assist in verifying the apparent rights-of-way, per project scope.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
April 2021	N/A	$28,950 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, Louisiana **Jefferson Parish Sewerage Department** 1221 Elmwood Park Blvd Ste 803 Jefferson LA 70123 **Sid Trouard, P.E.**, 504-736-6661 strouard@jeffparish.net	BFM prepared a Servitude Survey for the 2700 Destrehan Sewer Lift Station; the survey built upon and served to revise BFM's previous work on the project site in 2019 which involved a full boundary survey update. The scope of services involved establishing both a temporary construction servitude (105 ft. x 70 ft.) and a permanent servitude (45 ft. x 40 ft.).	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
March 2022	N/A	$4,200 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, Louisiana **Professional Engineering & Environmental Consultants (PEEC), Inc.** 1065 Muller Parkway, Suite B Westwego LA 70094 **Jeff Meyers**, 504-347-1900 jeff@peecinc.com	BFM Corporation provided boundary and topographic surveying services for the Sewer Lift Station (Coventry Court & Jefferson Highway) project site in River Ridge, LA. Included in the project were establishing a Construction Benchmark (CBM), Temporary Benchmark (TBM), and location of improvements, utilities, and property corners, as well as taking spot elevations. A Finished Floor Elevation (FFE) was also obtained for the lift station compound and the existing electrical slab.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
September 2020	N/A	$5,910 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station K-11-1, Marrero, Jefferson Parish, Louisiana **Infinity Engineering Consultants, LLC** 2626 Canal St Ste 202 New Orleans LA 70119 **Louis L. Jackson, P.E.**, 504-304-0548 ljackson@infinityec.com	BFM Corporation provided boundary and topographic surveying services for the K-11-1 Sewer Lift Station project, located north of U.S. Highway 90, approximately 50 ft. west of Francis Street in Marrero, LA. Scope of services included establishing a baseline, two Temporary Benchmarks (TBMs), locating existing improvements (man-made and natural), utilities (above & below ground level), and determination of pipes in the project area. Spot elevations were also taken.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
August 2020	N/A	$7,090 (fee)

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

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Destrehan Lift Station Upgrades, Harvey, Jefferson Parish, Louisiana **Principal Engineering** 1011 N Causeway Blvd Suite 19 Mandeville LA 70471 **Henry DiFranco**, 985-624-5001 henry@pi-aec.com	BFM Corporation executed boundary and topographic surveying services for the 2700 Destrehan Lift Station project in Harvey, LA. The scope of services included a full boundary survey of the project site. BFM provided research via Jefferson Parish Clerk of Court to determine property boundaries and ownership and located boundary monument on the subject lot and adjacent lots to verify the boundary limits. Where property corners did not exist, BFM set them as per project directives.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
July 2019	N/A	$11,710 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, Louisiana **H. Davis Cole & Associates, Inc.** 1340 Poydras Street Suite 1850 New Orleans LA 70112 **David Martin, P.E.**, 504-836-2020 dmartin@hdaviscole.com	BFM's surveying scope involved topographic and boundary surveying services for the project in Marrero. BFM established a baseline parallel to Ehret Road, with the beginning, end, and points of intersection referenced by three point ties to topographic features in the area. With the limits of survey established (Ehret Road, Weatherly Place, Crestridge Circle, and Broas Drive), BFM plotted the location of improvements. Visible above-ground utilities & below-ground utilities with visible surface evidence were also plotted.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
February 2019	N/A	$8,790 (fee)

TEC Professional Services Questionnaire

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

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Saddler Street Sewer Lift Station, 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 topographic surveying services for the project, located near the West Bank Expressway Access Road. The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. BFM plotted location of improvements within the designated Limits of Survey. Visible above-ground utilities and below-ground utilities with visible surface evidence were also plotted. Cross sections were taken on a 25 foot grid within the limits of survey. Deliverables included hardcopy and AutoCAD DWG format files.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
May 2018	N/A	$5,715 (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.

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

CRITERIA 1 • PROFESSIONAL TRAINING AND RELEVANT PROJECT EXPERIENCE

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

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

Our capabilities include the following and more:

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

TEC Professional Services Questionnaire

N. continued.

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

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

Our **Survey Field Crews** are equipped with Leica Captivate Data Collectors as well as Leica GPS Smart Antennas. Each GPS unit is linked to the Leica SmartNet Network, giving each crew the ability for Real Time Kinematic Positioning (RTK), derived from the Global Navigation Satellite System (GNSS). Crews are outfitted with Leica TS series robotic total stations, simplifying and expediting projects. Furthermore, BFM has photogrammetry included into our GS18 GPS Receivers that allow our technicians to capture and utilize point cloud data in the field. The tilt functionality built into the GPS receivers allows for shooting without leveling the rod; this greatly increases speed of fieldwork while keeping accuracy and precision intact. BFM's crews are trained to use this equipment to its full potential to maximize efficiency and accuracy in the field.

BFM 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). At a flight ceiling of 165 feet, pixel quality is 0.71 CM); this allows BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

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

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

CRITERIA 6 • SIZE OF FIRM

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

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

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

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

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

Signature: _____ **Print Name:** **Chad M. Poché, P.E.**

Title: **Executive Vice President** **Date:** **June 16, 2022**

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

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

License/Certificate Information w/ Supervision

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

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

Mr. Ralph P. Fontcuberta Jr.

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

Status: Active

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

Mr. Chad Mitchell Poche

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

Status: Active

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

Mr. Gary James Lambert Jr.

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

Status: Active

LOUISIANA ECONOMIC DEVELOPMENT

Division of Small and Emerging Business Development

SEBD CERTIFICATION

BFM CORPORATION, LLC

is hereby certified as a Small and Emerging Business Enterprise.

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

Issued at Baton Rouge, Louisiana 7/19/2019

This certification expires on: 7/19/2029

Certification No. 9551

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

LOUISIANA ECONOMIC DEVELOPMENT

DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

BFM CORPORATION, LLC

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

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

Certification No. 9551

Stephanie Hartman,
Director, Small Business Services

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations

SOQ **22-028** | Resolution No. **139102**

B. Firm Name & Address:

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

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

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

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

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

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

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

32* **TOTAL**

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

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

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

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:

<u>32</u> (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:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

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)

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

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

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

New Sewer 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 (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. 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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Blake E. Vutera, P.E.
Engineering Manager

Project Assignment:

Geotechnical Engineer

Name of Firm with which associated:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

10 years with this firm (2012); 16 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:

Blake E. Vutera, P.E., 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, managing all geotechnical investigations, and aiding with laboratory testing and construction materials testing & inspection. Engineering analyses routinely performed includes 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.

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)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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 (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 (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. 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 (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 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)

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:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

11 years with this firm (2011); 16 years total (2006)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

Trey Binder has direct experience with field and laboratory testing services. Mr. Binder's field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.

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)

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)

Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA. Gulf South provided field and laboratory testing on a call-out basis during construction of the project (SCIP D55116) located at the intersection of Houma Boulevard and West Esplanade Avenue. Scope included vibration monitoring, concrete sample pick-up and inspection, pile monitoring, and laboratory testing. ($10,000 (fee); 2021)

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)

Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA. Gulf South performed construction materials testing and inspection. Services included soil density tests, earthwork inspection and testing, backfill compaction testing, and concrete testing. ($8,000 (fee); 2021)

New Sewer 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 (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. diameter & 20 ft. bgs) at intersection of Toulouse Ave. and Smith Dr. in Metairie, LA. Scope included 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 (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:

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

Project Assignment:

Associate Geotechnical Engineer/Engineering Intern

Name of Firm with which associated:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

3 years with this firm (2019); 5 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:

- *Society of Women Engineers*
- *American Society of Civil Engineers*

Sara E. Lockwood, E.I., is serving as an Associate Geotechnical 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.

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)

Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA. Gulf South performed construction materials testing and inspection. Services included soil density tests, earthwork inspection and testing, backfill compaction testing, and concrete testing. ($8,000 (fee); 2021)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Sarah E. Lockwood (continued)

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

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

Lee Street Drainage Pump Station Improvements, City of Slidell, LA. Gulf South prepared a Geotechnical Exploration Report for the project site located at the junction of Lee Street and Front Street in Slidell, LA. Gulf South's scope includes drilling soil borings to 50 ft. in depth, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations. ($4,000 (fee); 2022)

Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. ($35,000 (fee); 2020)

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

Lift Station Rehabilitation (Wildcat Lane), Destrehan, St. Charles Parish, LA. Geotechnical engineering services for rehabilitation of an existing below grade sewer lift station off Wildcat Lane in Destrehan, LA. Gulf South's scope includes drilling a single boring to a depth of 70 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations. ($5,800 (fee); ongoing)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Bryson S. Beard, E.I.
Associate Geotechnical Engineer/Field Engineer

Project Assignment:

Associate Geotechnical Engineer/Field Engineer

Name of Firm with which associated:

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

less than 1 year with this firm (2022); 1 year total (2021)

Education: Degree(s)/Year/Specialization:

B.S., 2021, Geological Engineering, University of Southern Mississippi

Active registration: Year first registered/discipline:

2022, Engineer In Training (Georgia, No. EIT029180)
Louisiana License In Process

Other experience and qualifications relevant to the proposed Project:

- *40-hour HAZWOPER (Field Work)*
- *Fundamentals of Engineering Exam (FE), NCEES*

Bryson S. Beard, E.I., is an Associate Geotechnical Engineer/Field Engineer who is primarily serving as a field engineer with Gulf South's drilling crews and providing office support as needed. His experience in the field includes surface and subsurface soil sampling, water sampling, and soil classification.

Mr. Beard's work experience further includes core logging and oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. Further, he is a START V Region 4 Responder, and can be used whenever there is a large spill/release of harmful chemical or substance. Mr. Beard is experienced with laboratory sample preparation and testing.

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Bryson S. Beard, E.I. (continued)

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

Lift Station Rehabilitation (Wildcat Lane), Destrehan, St. Charles Parish, LA. Geotechnical engineering services for rehabilitation of an existing below grade sewer lift station off Wildcat Lane in Destrehan, LA. Gulf South's scope includes drilling a single boring to a depth of 70 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations. ($5,800 (fee); ongoing)

Lee Street Drainage Pump Station Improvements, City of Slidell, LA. Gulf South prepared a Geotechnical Exploration Report for the project site located at the junction of Lee Street and Front Street in Slidell, LA. Gulf South's scope includes drilling soil borings to 50 ft. in depth, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations. ($4,000 (fee); 2022)

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

Charity Hospital Building Redevelopment Project, New Orleans, LA. Gulf South provided all construction materials and environmental testing for the project, which involved the complete renovation of the Charity Hospital Building (more than 1 million sf) in New Orleans, Louisiana. Inspection and testing consisted of soil borings, laboratory testing, asbestos abatement, concrete testing, mortar testing, steel coupon testing, concrete coring, and building envelope testing. The project is valued at $500 million. ($200,000 (est. fee); ongoing)

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

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:	
Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **c/o Richard C. Lambert Consultants, LLC** 900 West Causeway Approach Mandeville LA 70471 **Franz J. Zemmer,** 985-727-4449 fzemmer@rclconsultants.com	Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020 March	N/A	$8,500 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Ole Miss Sewer Force Main, City of Kenner, Louisiana **City of Kenner Public Works Department** **c/o Digital Engineering** 527 West Esplanade Avenue Suite 200 Kenner LA 70065 **Frank T. Liang, P.E.,** 504-468-6129 fliang@deii.net	Geotechnical engineering services for the construction of a new sewer force main along Ole Miss Drive from the John Hopkins Lift Station to 35th Street within Kenner, LA. The force main will be 10-inches in diameter, approximately 2,100 linear feet, and installed 10 to 15 feet deep via directional drilling. Gulf South's scope includes drilling four undisturbed soil borings to depths of 20 feet below the ground surface, laboratory testing, engineering analyses (including soil bearing values, bedding & backfill, and settlement) and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2021 February	N/A	$8,000 (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 **Jefferson Parish** **c/o 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 February	N/A	$7,900 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Lift Station Upgrade **(24th Street and Delaware Avenue),** City of Kenner, Louisiana **City of Kenner** **c/o Shread-Kuyrkendall & Associates, Inc.** 104 Campus Drive East Destrehan LA 70047 **Steve P. Breeding, P.E.,** 985-764-4060 sbreeding@skaengr.com	Geotechnical engineering services for construction of a new generator pad and wet well located at 24th Street and Delaware Avenue in Kenner, LA. Gulf South's scope of services includes drilling two borings to a depths of 70 feet (1 boring for wet well) and 50 feet (1 boring for generator pad) below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 March	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:**	
New Sewer Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **c/o 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 September	N/A	$7,500 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, Louisiana **Jefferson Parish** **c/o Professional Engineering & Environmental Consultants (PEEC), Inc.** 1065 Muller Parkway Suite B Westwego LA 70094 **Jeff Meyers,** 504-347-1900 jeff@peecinc.com	Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling Street 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.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2018 July	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 (Toulouse Avenue & Smith Drive), Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **c/o Pivotal Engineering, LLC** 1515 Poydras Street Suite 1875 New Orleans LA 70112 **Yoseph Shifare, E.I.,** 504-799-3653 yshifare@pivotaleng.com	Geotechnical investigation for a new sewer lift station (8 ft. diameter and 20 ft. bgs) at intersection of Toulouse Ave. and Smith Dr. in Metairie, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2018 August	N/A	$7,500 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Jefferson Parish **c/o 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 February	N/A	$7,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Lift Station Rehabilitation (Wildcat Lane), Destrehan, St. Charles Parish, Louisiana **St. Charles Parish Government** **c/o Stuart Consulting Group, Inc.** 1018 Central Ave Ste 200 Metairie LA 70003 **Chris Blazo**, 504-888-5733 chrisb@stuartconsultinggroup.com	Geotechnical engineering services for rehabilitation of an existing below grade sewer lift station off Wildcat Lane in Destrehan, LA. Gulf South's scope includes drilling a single boring to a depth of 70 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 June	N/A	$5,800 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station No. F6-2 (W. Napoleon Blvd.), Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **c/o ECM Consultants, Inc.** 1301 Clearview Parkway Suite 200 Metairie LA 70001 **Susina Shrestha, P.E.**, 504-885-4080 sshrestha@ecmconsultants.com	Gulf South provided geotechnical engineering services for upgrading an existing below grade sewer lift station (No. F6-2) off West Napoleon Boulevard in Metairie, LA. Gulf South's scope includes drilling a single boring to a depth of 60 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 May	N/A	$5,000 (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.

GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

CRITERIA 1 • PROFESSIONAL TRAINING AND RELATED EXPERIENCE

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

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

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

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

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

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

Field Investigation Services

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

Laboratory Testing Services

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

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

Construction Materials Testing & Inspection

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

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

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

CRITERIA 6 • SIZE OF FIRM

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

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

- *Lift Station Rehabilitation (Wildcat Lane), Destrehan, St. Charles Parish, LA*
- *Lift Station Upgrade (24th St. and Delaware Ave.), City of Kenner, LA*
- *Lift Station No. F6-2 (W. Napoleon Blvd.), Metairie, Jefferson Parish, LA*
- *Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA*
- *Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA*
- *New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA*
- *New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA*
- *New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA*
- *New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA*
- *Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA*
- *Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, LA*
- *St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA*
- *Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA*
- *Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA*
- *Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA*
- *New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA*
- *New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, LA*
- *Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA*
- *N. Sibley Drainage Improvements (N. Sibley at W. Napoleon), Metairie, Jefferson Parish, LA*
- *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*

TEC Professional Services Questionnaire

N. continued.

- *Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA*
- *Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA*
- *Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA*
- *Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, Jefferson Parish, LA*
- *Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA*
- *West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA*
- *Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA*
- *Westgate Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Bike Path Soil Borings, Jefferson Highway to Northline Street, Jefferson Parish, LA*
- *Green Acres Road - New Street Lighting, Metairie, Jefferson Parish, LA*
- *Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA*
- *Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA*
- *Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA*
- *Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA*
- *Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA*
- *Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA*
- *Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA*
- *St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA*
- *Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA*
- *David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA*
- *Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA*
- *Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA*

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

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

Signature: _____ **Print Name:** **Chad M. Poché, P.E.**

Title: **Vice President** **Date:** **June 13, 2022**

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

Name:

Gulf South Engineering and Testing, Inc.

Public Address:

Mr. Chad Poche, PE 15 Veterans Memorial Boulevard

Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

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

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

Mr. Chad Mitchell Poche

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

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

Mr. Blake Elliot Vutera

License/Certificate Type - Number: PE.0038607
Expiration Date: 09/30/2022
Status: Active

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

Ms. Sara Elinor Lockwood

License/Certificate Type - Number: EI.0034718
Expiration Date: 03/31/2023
Status: Active

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

Mr. Ralph P. Fontcuberta Jr.

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

LOUISIANA ECONOMIC DEVELOPMENT

DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Gulf South Engineering and Testing, Inc.

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

This certification is valid from 2/25/2022 to 2/25/2023 .

Certification No. 11011

Stephanie Hartman,
Director, Entrepreneurial Services

RTA
Regional Transit Authority

July 1, 2021

Cassandra Poche
Gulf South Engineering and Testing Inc
15 Veterans Memorial Blvd
Kenner, LA 70062

Dear Ms. Poche:

We are pleased to inform you that your firm has been certified as a Small Business Enterprise (SBE).

Your firm remains certified in the SBE Program until there are any changes to your company or to your personal net worth that exceed the SBE eligibility criteria. Please note that you must notify our office immediately regarding any changes which affect the economic disadvantage, size, ownership or control of your firm.

In order to main eligibility, you are required to submit an annual affidavit stating that your firm continues to meet the eligibility requirements of the program. If you are both DBE and SBE certified, you will receive a Disadvantaged Business Enterprise Annual Affidavit approximately 4 weeks prior to your DBE Certification anniversary date. The annual affidavit for the DBE program will automatically apply to your SBE certification. If you are SBE certified only, you will receive a Small Business Enterprise Annual Affidavit approximately 4 weeks prior to your SBE Certification anniversary date.

We reserve the right to withdraw this certification if at any time it is determined that SBE certification knowingly obtained by the submission of false, misleading, or incorrect information. We further reserve the right to request additional information and/or conduct an on-site visit at any time during your certification period.

If we can be of further assistance, please contact the Office of Small Business Development at (504) 827-8301.

Sincerely,

Adonis C. Expose'
DBE/SBE Liaison Officer III

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Gulf South Engineering and Testing, Inc.

in

Kenner, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).

Jim Tymon,
AASHTO Executive Director

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 08/17/2021 at 7:12 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

MTC
MATERIALS TESTING CENTER

USACE CERTIFICATE OF LABORATORY VALIDATION

ERDC
ENGINEER RESEARCH & DEVELOPMENT CENTER

Gulf South Engineering and Testing

15 Veterans Memorial Blvd
Kenner, LA, United States
Trey Binder
(504) 305-4401

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:
02 JUN 2020 AT 18:10 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 06/02/2022

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: https://mtc.erdc.dren.mil

Chad A. Gartrell, PE, Director
USACE Materials Testing Center
Vicksburg, Mississippi, USA

SOILS

Soils - D 698 - Req - Compaction Characteristics by Standard Effort
Soils - D 1140 - Req - Material Finer than 75 □m (No. 200) Sieve
Soils - D 1557 - Req - Compaction Characteristics by Modified Effort
Soils - D 2216 - Req - Water Content
Soils - D 2974 - Req - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
Soils - D 4318 - Req - Liquid & Plastic Limits & Plasticity Index
Soils - D 4643 - Req - Determination of Water Content of Soil by Microwave Oven

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Rehabilitation to the Neyrey & Veterans (F7-13) and Market & Sauve (D4-7) Lift Stations Resolution No. 139102

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

pivotal engineering

3925 N. I-10 Service Road W., Suite 109R

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:

Avinash Mehta, PE
Principal-In-Charge
3925 N. I-10 Service Road W., Suite 109R
Metairie, LA 70002
Office 504-799-3653
amehta@pivotaleng.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.

Avinash Mehta, PE
Principal-In-Charge
3925 N. I-10 Service Road W., Suite 109R
Metairie, LA 70002
Office 504-799-3653
amehta@pivotaleng.com

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

2 Administrative	2 Estimators	___ Specification Writers
1 Architects (Licensed)	___ Geologists	1 Structural Engineers
___ Chemical Engineers	___ Geotechnical Engineers	___ Graduate Engineers
5 Civil Engineers	___ Interior Designers	1 Project Managers
8 Construction Inspectors	___ Landscape Architects	1 Clerical
___ Ecologists	___ Land Surveyor	___ Grant/Funding Specialist
2 Electrical Engineers	1 Mechanical Engineers	___ Sanitary Engineers
3 Engineer Intern	2 Environmental Engineers	
___ Professional Land Surveyors		**29 TOTAL**

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

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

TEC Professional Services Questionnaire

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

1. N/A

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. N/A		
2. N/A		
3.		

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

29

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:

Avinash Mehta, PE; President

Project Assignment:

Principal-in-Charge

Name of Firm with which associated:

pivotal engineering

Years' experience with this Firm:

8

Education: Degree(s)/Year/Specialization:

M.S. Civil Engineering, University of Central Florida, 2003

B.S. Civil Engineering, NMU – India, 2000

Active registration: Year first registered/discipline:

Louisiana PE #35100 Civil

Other experience and qualifications relevant to the proposed Project:

Mr. Mehta serves as the Principal of Pivotal Engineering. Mr. Mehta has over 16 years of experience managing Civil and Environmental Engineering projects including project budget, schedule and scope, coordination of resources, business development and client liaison activities. His experience includes the street design, pocket park improvements, roadway enhancements, drainage studies, process and design, water and wastewater master planning, drainage design permitting, wastewater system design, potable water system design and conceptual planning and design for coastal restoration projects.

Experience includes:

Cleveland & Avron Sewer Lift Station Rehabilitation; Jefferson Parish, LA

Mr. Mehta serves as the principal-in-charge for this project. Pivotal was retained by Jefferson Parish to replace the existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drives (VFD) as well as new controls, piping, and valves. 3-15HP pumps will be replaced with 2-25Hp Pumps.

N. Sibley & Boone Lift Station Improvements; Jefferson Parish, LA

Mr. Mehta serves as the principal-in-charge for this project. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the C4-1A (N. Sibley and Boone) Lift Station Rehabilitation project. The major scope of the improvement is replacement of all existing submersible pumps with new submersible pumps with Premium Efficiency Motors

and Variable Frequency Drive (VFD) as well as new controls, piping, and valves. 2-15 HP pumps will be replaced with 2-15 HP Pumps.

N. Elmwood & Citrus Lift Station Upgrades

Mr. Mehta serves as the principal-in-charge for this project. Pivotal Engineering is retained by Jefferson Parish to provide engineering services, inspection and construction administration of Elmwood and Citrus sewer lift station. The scope includes evaluation, preliminary and final design phase services for design and construction plan preparation of the Elmwood & Citrus Lift Station.
The proposed project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design a new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station required a new 8' fiberglass wet well and valve pit.

Smith & Toulouse Lift Station Upgrades; Jefferson Parish, LA

Mr. Mehta serves as the principal-in-charge for this project. Pivotal is retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the H6-5 Smith & Toulouse Lift Station Upgrades.
The proposed project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station will require a new 8' fiberglass wet well and valve pit.

Broadmoor Lift Station Upgrades; Shreveport, LA

Mr. Mehta served as the Principal Engineer for the rehabilitation of the Broadmoor Lift Station Improvements for the City of Shreveport. The Project includes the rehabilitation of the facility building including pumps, pipes, screening system, odor control system, and designing of an access road. Project management responsibilities included budgeting; invoicing; executing monthly progress meetings; preparing and tracking project schedules; and interacting with the client, owner, contractors and various permitting agencies.

CC1 Lift Station Improvements; Luling LA

Mr. Mehta serves as the principal-in-charge for this project. The scope of the project was a major upgrade and rehabilitation of the existing pump station. The upgrade involved increasing the pumping capacity of the station from 2580 gpm to 4000 gpm (55% pumping capacity increase). Some of the main work scope involved the demolition of the entire existing power distribution gear, removal of existing 6 (30 hp) pumps with all related controls and replacement with (3) 100 hp pumps with soft start controls. Further a cost analysis breakdown between Soft Start and VFDs were performed and client chose the first option due to budget constraints. Moreover, the design involved SCADA controls, new PLC and tying the controls to the department Telemetry system.

Patriot Lift Station; Jefferson Parish, LA

Mr. Mehta served as the principal-in-charge for this project. Pivotal was retained to perform a full electrical design with specifications for a duplex lift station (Patriot) for Jefferson Parish. The overall system consisted of a NEMA 4X self -standing main control panel/MCC, 240, 3 phases, 4 wires. The control panel also included logic to allow the pump motors to start/stop manually from the push bottoms at the panel or automatically via the PLC inside the panel. The PLC also controlled the levels at the well and the backup level system. All of the PLC digital and analogue inputs/outputs were also transmitted from the PLC to the Jefferson Parish SCADA system central facility via radio signal.

TEC Professional Services Questionnaire

Page & Longfellow Lift Station Improvements; Jefferson Parish, LA

Mr. Mehta serves as the principal-in-charge for this project. Pivotal Engineering, LLC was retained by Jefferson Parish to provide Construction Management for the Page & Longfellow Lift Station Improvements.
The project consisted of installation of a new power distribution system, valves, piping, pumps, and odor control system. Pivotal stationed a Resident Inspector for the entirety of construction. Pivotal's Resident Inspector was tasked with providing daily reports to document the Contractor's daily activities, project progress, and photo documentation to be provided to the client on a daily basis.
Pivotal was also responsible for providing review of Contractor Pay Applications, Change Order Requests, and RFIs in a timely manner.

Wright Road Improvements; New Orleans, LA

Mr. Mehta serves as the principal-in-charge for this project. Pivotal personnel are retained by the City of New Orleans for the design of Wright Road located in New Orleans East. Mr. Mehta serves as the principal-in-charge for this project. The project entails the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff has also been required to provide public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings.

Veolia North America East Bank Treatment Plant – Gear Automation

Mr. Mehta served as the principal-in-charge for this project. Pivotal was retained to provide a design for gear automation for the East Bank Treatment Plant. A project completed by Pivotal was the engineering and design cost estimate for installation of new main electrical utility ATS. The scope of this project included: reviewing current 13.8kv switchgear drawings and plant main electrical distribution drawings, investigating alternatives and manufacturer's information, presenting alternatives and discussing options, designing the actual installation, providing construction drawings and equipment specifications for bidding, assisting in equipment installation inspections and submitting reviews during construction, assisting in equipment start-up check-outs, and providing "red-line" as-built drawings to update S&WB drawing files once the project construction was completed.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Yoseph Shifare, PE, PTOE; Project Director
Project Assignment:
Project Manager/Sr. Civil Engineer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
M.S. Civil Engineering, University of Louisville, Kentucky, 2014 **B.S. Civil Engineering, University of Asmara, Eritrea, 2001**
Active registration: Year first registered/discipline:
2018 / Civil Engineering / LA PE # 42747 **Louisiana PTOE**
Other experience and qualifications relevant to the proposed Project:
Mr. Shifare serves as the project director of Pivotal Engineering in charge of civil/transportation projects. He has over 19 years engineering, project and construction management experience for public infrastructure as well as for industrial, commercial and private facility projects. As project director, leads and manages the day-to-day efforts of engineers on projects that include roadway, traffic analyses, pavement structural design, use of geosynthetics, geometric design, line/grade analyses, pavement marking, intersection improvements, pedestrian/bicycle lanes/paths, excavation/embankment, traffic, drainage/storm water management, water/wastewater infrastructure and landfills. In addition, Mr. Shifare has extensive experience in hydraulic and green infrastructure project design, such as experience providing complex engineering services for hazard mitigation projects for government clients, including but not limited to detention and filtration of stormwater, open channel and pipe flow drainage systems, created wetlands structures, bioretention, and design of hydraulic control structures. He is responsible to client liaison, management of the strategic aspects of project engagement, high-level review of project deliverables, leadership, project accounting and ensuring that engineering practices meets or exceeds industry standards.
Experience includes:
Cleveland & Avron Sewer Lift Station Rehabilitation; Jefferson Parish, LA Mr. Shifare served as the Project Manager for this project. Pivotal was retained by Jefferson Parish to replace the existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drives (VFD) as well as new controls, piping, and valves. 3-15HP pumps will be replaced with 2-25Hp Pumps.
N. Sibley & Boone Lift Station Improvements; Jefferson Parish, LA Mr. Shifare served as the Project Manager for this project. Pivotal Engineering was retained by Jefferson Parish

to provide preliminary and final design phase services for design and construction plan preparation of the C4-1A (N. Sibley and Boone) Lift Station Rehabilitation project. The major scope of the improvement is replacement of all existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drive (VFD) as well as new controls, piping, and valves. 2-15 HP pumps will be replaced with 2-15 HP Pumps.

N. Elmwood & Citrus Lift Station Upgrades

Pivotal Engineering is retained by Jefferson Parish to provide engineering services, inspection and construction administration of Elmwood and Citrus sewer lift station. The scope includes evaluation, preliminary and final design phase services for design and construction plan preparation of the Elmwood & Citrus Lift Station.
The proposed project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design a new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station required a new 8' fiberglass wet well and valve pit.

Smith & Toulouse Lift Station Upgrades; Jefferson Parish, LA

Mr. Shifare served as the Project Manager for this project. Pivotal is retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the H6-5 Smith & Toulouse Lift Station Upgrades.
The proposed project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station will require a new 8' fiberglass wet well and valve pit.

Broadmoor Lift Station Upgrades; Shreveport, LA

Mr. Shifare served as the Project Manager for the rehabilitation of the Broadmoor Lift Station Improvements for the City of Shreveport. The Project includes the rehabilitation of the facility building including pumps, pipes, screening system, odor control system, and designing of an access road. Project management responsibilities included budgeting; invoicing; executing monthly progress meetings; preparing and tracking project schedules; and interacting with the client, owner, contractors and various permitting agencies.

CC1 Lift Station Improvements; Luling LA

Mr. Shifare served as the Project Manager for this project. The scope of the project was a major upgrade and rehabilitation of the existing pump station. The upgrade involved increasing the pumping capacity of the station from 2580 gpm to 4000 gpm (55% pumping capacity increase). Some of the main work scope involved the demolition of the entire existing power distribution gear, removal of existing 6 (30 hp) pumps with all related controls and replacement with (3) 100 hp pumps with soft start controls. Further a cost analysis breakdown between Soft Start and VFDs were performed and client chose the first option due to budget constraints. Moreover, the design involved SCADA controls, new PLC and tying the controls to the department Telemetry system.

Patriot Lift Station Patriot Lift Station; Jefferson Parish, LA

Mr. Shifare served as the Project Manager for this project. Pivotal was retained to perform a full electrical design with specifications for a duplex lift station (Patriot) for Jefferson Parish. The overall system consisted of a NEMA 4X self -standing main control panel/MCC, 240, 3 phases, 4 wires. The control panel also included logic to allow the pump motors to start/stop manually from the push bottoms at the panel or automatically via the PLC inside the panel. The PLC also controlled the levels at the well and the backup level system. All of the PLC digital and analogue inputs/outputs were also transmitted from the PLC to the Jefferson Parish SCADA system central facility via radio signal.

TEC Professional Services Questionnaire

Page & Longfellow Lift Station Improvements; Jefferson Parish, LA

Mr. Shifare served as the Project Manager for this project. Pivotal Engineering, LLC was retained by Jefferson Parish to provide Construction Management for the Page & Longfellow Lift Station Improvements.
The project consisted of installation of a new power distribution system, valves, piping, pumps, and odor control system. Pivotal stationed a Resident Inspector for the entirety of construction. Pivotal's Resident Inspector was tasked with providing daily reports to document the Contractor's daily activities, project progress, and photo documentation to be provided to the client on a daily basis.
Pivotal was also responsible for providing review of Contractor Pay Applications, Change Order Requests, and RFIs in a timely manner.

Wright Road Improvements; New Orleans, LA

Mr. Shifare served as the Project Manager for this project. Pivotal personnel were retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entailed the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff has also been required to provide public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings.

Veolia North America East Bank Treatment Plant – Gear Automation

Mr. Shifare served as the Project Manager for this project. Pivotal was retained to provide a design for gear automation for the East Bank Treatment Plant. A project completed by Pivotal was the engineering and design cost estimate for installation of new main electrical utility ATS. The scope of this project included: reviewing current 13.8kv switchgear drawings and plant main electrical distribution drawings, investigating alternatives and manufacturer's information, presenting alternatives and discussing options, designing the actual installation, providing construction drawings and equipment specifications for bidding, assisting in equipment installation inspections and submitting reviews during construction, assisting in equipment start-up check-outs, and providing "red-line" as-built drawings to update S&WB drawing files once the project construction was completed.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Bassam Mekari, PE; Sr. Electrical Engineer
Project Assignment:
Electrical Engineer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
MS in Electrical Engineering - 3 hours remaining **BS in Electrical Engineering, 1987, Louisiana State University**
Active registration: Year first registered/discipline:
Licensed PE - # 31801
Other experience and qualifications relevant to the proposed Project:
Mr. Mekari serves as the principal of Pivotal Engineering and the Engineering Manager in charge of all of the electrical engineering projects. He has developed tremendous experience in designing and installing Medium and Low Voltage Electrical Distribution Systems for commercial and industrial facilities lift stations, water treatment plants, Schools, Justice Centers, Police Stations, and industrial Thermal Reactors. He also designed/built electrical sub-stations for industrial systems and supervised actual installations throughout the US and worldwide. Mr. Mekari has designed over 200 electrical projects and will be instrumental in the overall plant electrical systems design. He also developed tremendous experience in sizing VFDs, UPSs, LED lighting, Dry and Liquid-Fill Transformers, Motors, Medium and Low Voltage Grounding Systems, Panelboards and Switch Gears, ATSs, Back Up Generators and possesses hands on field installations' experience and construction administration. Mr. Mekari developed expertise is all applicable codes pertaining to his projects such as NEC, NFPA 70E, NFPA 820, UL and local codes.
Experience includes:
Cleveland & Avron Sewer Lift Station Rehabilitation; Jefferson Parish, LA Mr. Mekari served as the project main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. Pivotal was retained by Jefferson Parish to replace the existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drives (VFD) as well as new controls, piping, and valves. 3-15HP pumps will be replaced with 2-25Hp Pumps.
N. Sibley & Boone Lift Station Improvements; Jefferson Parish, LA Mr. Mekari served as the project main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the C4-1A (N. Sibley and Boone) Lift Station Rehabilitation project. The major scope of the improvement is replacement of all

existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drive (VFD) as well as new controls, piping, and valves. 2-15 HP pumps will be replaced with 2-15 HP Pumps.

N. Elmwood & Citrus Lift Station Upgrades

Mr. Mekari served as the project's main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. Pivotal Engineering is retained by Jefferson Parish to provide engineering services, inspection and construction administration of Elmwood and Citrus sewer lift station. The scope includes evaluation, preliminary and final design phase services for design and construction plan preparation of the Elmwood & Citrus Lift Station.
The proposed project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design a new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station required a new 8' fiberglass wet well and valve pit.

Smith & Toulouse Lift Station Upgrades; Jefferson Parish, LA

Mr. Mekari served as the project's main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. Pivotal is retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the H6-5 Smith & Toulouse Lift Station Upgrades.
The proposed project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station will require a new 8' fiberglass wet well and valve pit.

Broadmoor Lift Station Upgrades; Shreveport. LA

Mr. Mekari served as the project manager and the main Electrical Engineer for the overall lift station upgrades and pumping capacity increase (5400 gpm). This lift station was one of the larger lift stations for Shreveport DPW. Some of Mr. Mekari's responsibilities included the design of a new power supply and distribution center (600A, 480V, 3 phase Switch Gear with MCC & VFDs for the (3) new 100 HP pumps) as an upgrade to the facility's existing systems, PLC control and SCADA/Telemetry interface. Moreover, Mr. Mekari added a secondary power supply (600A, 480 V, 3 phase) to the switch gear from a different feeder via an automatic transfer switch. Some other responsibilities also included the installation of new 18" Mag flow meter in the existing below grade force main and new odor control system.

CC1 Lift Station Improvements; Luling, LA

Mr. Mekari served as the project's main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. The overall scope consisted of a major upgrade and overhaul of the existing pump station. Some of his responsibilities involved increasing the pumping capacity of the station from 2580 gpm to 4000 gpm (55% pumping capacity increase). Some of the main work scope involved the demolition of the entire existing power distribution gear, removal of existing 6 (30 hp) pumps with all related controls and replacement with (3) 100 hp pumps with soft start controls. Mr. Mekari performed a cost analysis breakdown between Soft Start and VFDs and client chose the first option due to budget constraints. Moreover, Mr. Mekari updated the SCADA controls, added new PLC and tied the controls to the department Telemetry system. Project is in bid phase.

Patriot Lift Station; Jefferson Parish, LA

Mr. Mekari served as the project main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. Pivotal was retained to perform a full electrical design with specifications

for a duplex lift station (Patriot) for Jefferson Parish. The overall system consisted of a NEMA 4X self - standing main control panel/MCC, 240, 3 phases, 4 wires. The control panel also included logic to allow the pump motors to start/stop manually from the push bottoms at the panel or automatically via the PLC inside the panel. The PLC also controlled the levels at the well and the backup level system. All of the PLC digital and analogue inputs/outputs were also transmitted from the PLC to the Jefferson Parish SCADA system central facility via radio signal.

Page & Longfellow Lift Station Improvements; Jefferson Parish, LA

Mr. Mekari served as the project main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. Pivotal Engineering, LLC was retained by Jefferson Parish to provide Construction Management for the Page & Longfellow Lift Station Improvements.
The project consisted of installation of a new power distribution system, valves, piping, pumps, and odor control system. Pivotal stationed a Resident Inspector for the entirety of construction. Pivotal's Resident Inspector was tasked with providing daily reports to document the Contractor's daily activities, project progress, and photo documentation to be provided to the client on a daily basis.
Pivotal was also responsible for providing review of Contractor Pay Applications, Change Order Requests, and RFIs in a timely manner.

Wright Road Improvements; New Orleans, LA

Mr. Mekari served as the project main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. Pivotal personnel were retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entailed the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff has also been required to provide public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings.

Veolia North America East Bank Treatment Plant – Gear Automation

Mr. Mekari served as the project main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. Pivotal was retained to provide a design for gear automation for the East Bank Treatment Plant. A project completed by Pivotal was the engineering and design cost estimate for installation of new main electrical utility ATS. The scope of this project included: reviewing current 13.8kv switchgear drawings and plant main electrical distribution drawings, investigating alternatives and manufacturer's information, presenting alternatives and discussing options, designing the actual installation, providing construction drawings and equipment specifications for bidding, assisting in equipment installation inspections and submitting reviews during construction, assisting in equipment start-up check-outs, and providing "red-line" as-built drawings to update S&WB drawing files once the project construction was completed.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Johnny A. Mekari, PE; VP – Baton Rouge Operations
Project Assignment:
Electrical Engineer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
BS in Electrical Engineering, 1987, Louisiana State University
Active registration: Year first registered/discipline:
LA PE # 25415 **MS PE # 14670** **TX PE # 87303** **IEEE Member**
Other experience and qualifications relevant to the proposed Project:
30 years Electrical Systems Design & Installations Mr. Mekari serves as the Vice President of Pivotal Engineering for the Baton Rouge Operations. He has developed extensive experiences in designing and installing Electrical Distribution Systems and Control Systems for industrial, commercial and municipal facilities. The footprint of the projects designed by Mr. John Mekari extends to local, national and international levels.
Experience includes:
East West Bank New Orleans Waste Water Treatment Plant This project encompasses the design and installation of a New 13.8KV automatic transfer switch (ATS) at the East Bank Waste Water Treatment Facility. The project scope was to provide a new ATS to allow a time-delayed automatic switching between the two main Entergy feeds and the emergency generator. The main 13.8KV circuit breakers had to be remotely operated for arc flash safety. In addition, hard wired Interlocks had to be designed preventing paralleling of the feeders at any time since the phases were not synchronized. The project's objectives were achieved by automating the existing gear using control logic and PLCs in lieu of new ATS additions and installations. This innovative design resulted in substantial savings to the client in budget and schedule. The new design is safer and more economical and requires less maintenance. The redundant PLCs and hard-wired interlock logic system allowed the safe automatic transfer switching of the existing 13.8 KV circuit breakers. Remote power transfer was also incorporated into the design. The project is currently in the construction phase.

TEC Professional Services Questionnaire

Veolia West Bank New Orleans Waste Water Treatment Plant

Mr. Mekari designed the replacement of an existing 4160V MTS outdoor switchgear lineup with a new outdoor ATS switchgear lineup. Also, Mr. Mekari conducted a comprehensive Power Study encompassing the existing and new electrical facilities.

The project scope of work included upgrading the existing underground cables and raceways along with the necessary electrical equipment, providing One Line Diagram as-builts, conducting short circuit, relay coordination and archflash calculations and analysis.

The challenges of this project were to field verify the existing conditions and underground utilities due to lack of documentation. Mr. Mekari successfully led the effort to field trace and document the existing 13.8KV, 4160V and 480V feeders and related equipment. Another critical project challenge was to minimize the plant downtime to less than 3 hours during construction. The design documents provided and incorporated a sequence of installation to accommodate this objective. The project is currently in the construction phase.

Cleco Power Plants – Various Sites in LA

Mr. Mekari served as the QA/QC Electrical Engineer for updating the one-line diagrams for all generating units (13.8 KV, 2.4KV, and 480VAC distribution systems) by collecting the pertinent field data, modeling the data in ETAP, SKM, or Easypower software system(s), running the short circuit analysis, arc flash studies, protective relay coordination and load studies. Recommendations were made to correct deficiencies discovered by the studies such as replacing over-duty electrical equipment (MCCs and Power Distribution Boards/panels), retrofitting breakers with solid-state protection and control relays to minimize the arc-flash hazard classification. Issue and install arcflash warning labels on various electrical equipment per code requirements.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
James Amodeo, PE; Sr. Mechanical Engineer
Project Assignment:
Mechanical Engineer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
BS / 1994 / Mechanical Engineering
Active registration: Year first registered/discipline:
LA PE #36489 – Mechanical - 2011
Other experience and qualifications relevant to the proposed Project:

Mr. Amodeo serves as the Senior Mechanical Engineer for Pivotal Engineering. Mr. Amodeo has more than 20 years of experience in the analysis, design and project construction management for various types of building mechanical systems, plumbing design, and code compliance.

Working on more than 20 FEMA projects post Katrina, Mr. Amodeo has developed tremendous FEMA experience and reviewing PWs and providing cost estimates.

Mr. Amodeo will be designated as the Sr. Mechanical Engineer for this project. Mr. Amodeo will be responsible for all mechanical and plumbing design, review of all applicable code requirements, methodologies and design recommendations and schematics

Experience includes:

Cleveland & Avron Sewer Lift Station Rehabilitation; Jefferson Parish, LA

Mr. Amodeo served as a Sr. Mechanical Engineer for the lift station upgrades for this project. Pivotal was retained by Jefferson Parish to replace the existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drives (VFD) as well as new controls, piping, and valves. 3-15HP pumps will be replaced with 2-25Hp Pumps.

N. Sibley & Boone Lift Station Improvements; Jefferson Parish, LA

Mr. Amodeo served as a Sr. Mechanical Engineer for the lift station upgrades for this project. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the C4-1A (N. Sibley and Boone) Lift Station Rehabilitation project. The major scope of the improvement is replacement of all existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drive (VFD) as well as new controls, piping, and valves. 2-15 HP pumps will be replaced with 2-15 HP Pumps.

TEC Professional Services Questionnaire

Broadmoor Lift Station; Shreveport, Louisiana

Mr. Amodeo served as a Sr. Mechanical Engineer for the lift station upgrades and pumping capacity increase (5400 gpm). This lift station was one of the larger lift stations for Shreveport DPW. The Project includes the rehabilitation of the facility building including pumps, pipes, screening system, odor control system, and designing of an access road. Project management responsibilities included budgeting; invoicing; executing monthly progress meetings; preparing and tracking project schedules; and interacting with the client, owner, contractors and various permitting agencies.

CC-1 Lift Station Upgrade: St Charles Parish DPW; Luling, Louisiana

Mr. Amodeo served as the Sr. Mechanical Engineer for the upgrades and improvements of the lift station. The overall scope consisted of a major upgrade and overhaul to increase the pumping capacity of the pump station. Scope also included the demolition of the existing mechanical pumping system including the removal of (6) existing (30 hp) pumps with all related piping and appurtenances and replacement with (3) 100 hp pumps with updated piping, controls and monitoring. Some of Mr. Amodeo's responsibilities involved verifying the existing field conditions including pumps, piping, and odor control of Analysis for maximizing the current force main capacities in order to maximize the capacity and efficiency of the new lift station which reflected an increase of 55% pumping capacity coupled with higher efficiencies and improved monitoring and odor control. Mr. Amodeo also helped with the cost analysis breakdown in order to budget the new pumping system for the overall mechanical construction scope.

Patriot Lift Station; Jefferson Parish, LA

Mr. Amodeo served as the Sr. Mechanical Engineer for the upgrades and improvements of the lift station. Pivotal was retained to perform a full electrical design with specifications for a duplex lift station (Patriot) for Jefferson Parish. The overall system consisted of a NEMA 4X self -standing main control panel/MCC, 240, 3 phases, 4 wires. The control panel also included logic to allow the pump motors to start/stop manually from the push bottoms at the panel or automatically via the PLC inside the panel. The PLC also controlled the levels at the well and the backup level system. All of the PLC digital and analogue inputs/outputs were also transmitted from the PLC to the Jefferson Parish SCADA system central facility via radio signal.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Terry Elnaggar, PE; Sr. Civil/Environmental Engineer
Project Assignment:
Sr. Civil Engineer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
MS / 1988 / Civil and Environmental Engineering / Univ. of California, Berkley **BS / 1985 / Civil Engineering / Louisiana State University**
Active registration: Year first registered/discipline:
LA PE #23832 – Civil/Environmental
Other experience and qualifications relevant to the proposed Project:
Mr. Elnaggar serves as a Principal of Pivotal Engineering LLC. He is the lead civil and environmental engineer for the company. His 30 years of experience includes project management and design work in roadways, drainage, sewer, earthen levees, floodwalls, floodgates and pump stations. He has performed multiple engineering projects for public and private clients on the local, state and federal level. He has served as Project Design Manager for numerous projects including, pavement widening and rehabilitation work. He takes a hands-on approach to successfully managing the design, QA/QC, stakeholder coordination, discipline leads, and schedule management. He has managed and prepared design-build construction plans, utility coordination, drainage, stormwater management, right-of-way plats, complex E&SC, environmental documentation/permitting, and environmental mitigation/restoration. He has also served on the construction program management side with both municipal, and industrial clients, providing oversight of projects designed by other consultants, providing design reviews and coordination between the consultant and the multiple other agencies involved. His experience includes design and construction management for civil and environmental projects including municipal and industrial solid waste permitting, risk assessments, water permitting and compliance, air permitting and compliance, emission inventories and reporting, groundwater investigations, regulatory compliance, environmental process design, permitting, and waste treatment system design.
Experience includes:
Broadmoor Lift Station Upgrades; Shreveport The Project includes the rehabilitation of the facility building including pumps, pipes, screening system, odor control system, and designing of an access road. Mr. Elnaggar reviewed, designed and sized the temporary by pass system; reviewed and designed the horizontal and vertical alignment of a concrete pavement access road. Further, Mr. Elnaggar reviewed and managed the project design package including the specification, capitol project estimate and Construction document.

TEC Professional Services Questionnaire

CC1 Lift Station Improvements; Luling, LA

The Project includes analysis and design to increase the existing capacity of the lift station. For this project Mr. Elnaggar reviewed, and analyzed the design of the Odor Control System; reviewed a simply supported two-way slab wet well cover for H20 Loading. Further reviewed and calculated capital cost estimate of the project and Construction document.

Wright Road Improvements; New Orleans, LA

Mr. Elnaggar served as the Project Engineer for the design of Wright Road located in New Orleans East. The project included subsurface drainage, roadway paving, curb and gutter, utility's location and relocation, sidewalks. Mr. Elnaggar was responsible for coordination and oversight of all engineering and design tasks, and construction management for this project. Mr. Elnaggar also ensured all design guidelines were followed, the project remained within budget, milestone dates were met, and the needs and concerns of the client were addressed. The project was valued at $9 million.

City of New Orleans Hurricane Ida Emergency Status Damage Assessments, New Orleans, LA

In the wake of Hurricane Ida (August 2021), Pivotal Engineering was retained by City of New Orleans to perform emergency status damage assessments and repair cost estimates for each of their 416 facilities. Facility types included administrative buildings, recreation centers, parks, playgrounds, life safety stations and other types. Pivotal developed a comprehensive, GIS-based logistical framework for efficient staff management and planning. Due to the constant communication with the teams and client, Pivotal was able to make changes to priority locations within the day. Pivotal used a team of dedicated cost estimators to perform all cost estimates, based on the RSMeans database. Pivotal was able to deploy drone imagery for additional inspection of roof and other inaccessible items. Progress was shared with the City daily via an email summary as well as a real-time, cloud-based data dashboard. Pivotal staff worked seven (7) days per week for six (6) weeks to complete the project.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Sundiata Marcelin, PE; Sr. Civil Engineer
Project Assignment:
Civil Engineer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
2+
Education: Degree(s)/Year/Specialization:
B.S. Civil Engineering, 2004
Active registration: Year first registered/discipline:
2013 / Civil Engineering / LA PE # 38589
Other experience and qualifications relevant to the proposed Project:
Mr. Marcelin has over 10 years of experience in both civil and structural engineering as well as over 15 years of experience in construction management. This civil engineering experience includes complete urban roadway restoration design with new sewage, water, drainage, and full right-of-way layout in Jefferson, St Bernard, and Orleans Parish. Mr. Marcelin has extensive knowledge of the civil infrastructure and design standards of Orleans Parish. This knowledge base allows him to efficiently review designs for both above ground and sub-surface infrastructure. His project experience includes roadway, traffic analyses, pavement structural design, use of geosynthetics, geometric design, line and grade analyses, pavement marking, intersection improvements, pedestrian and bicycle lanes or paths, excavation and embankment, traffic, drainage/storm water management, water and wastewater systems.
Experience includes:

Wright Road Improvements; New Orleans, LA

Mr. Marcelin serves as a senior engineer for this project, responsible for project coordination, generation of overall design (including calculations and modeling) and the project schedule. Pivotal personnel were retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entailed the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff has also been required to provide public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings.

RR016 BW Cooper Gert Town Dixon Group C; New Orleans, LA

Mr. Marcelin is the senior engineer for this project. He is tasked with the completing above and below ground design of the restoration of approximately nine (9) blocks (3,245 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. This design includes the horizontal and vertical roadway alignment and right-of-way design complete with new drainage structures based on an updated more resilient analysis procedure, limited waterline and sewer line replacement, and Sidewalk and ADA ramp layout. His work also required coordination and

compatibility with adjacent active and future construction projects.

RR076 Lake Vista Group D; New Orleans, LA

Mr. Marcelin serves as a senior engineer for this project, responsible for project coordination, generation of overall design (including calculations and modeling) and the project schedule. Pivotal is retained by City of New Orleans to provide roadway full reconstruction including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabilitation for five (5) blocks (1,750 ft) in the neighborhood of Lake Vista. This design of multiple streets is required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB. The project also included identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

14th Street Drainage Improvements; Jefferson Parish, LA

Mr. Marcelin serves as a senior engineer for this project, responsible for project coordination, generation of overall design (including calculations and modeling) and the project schedule. Overall, the project goal is to improve the drainage network along 14th Street. Project scope items include the following: construction of new sidewalks and ADA ramps, replacement of pavement and driveways, adjustment of required sewer connections, adjustment of identified water lines and the construction of a new outfall for the canal.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Eliot Guerin, EI; Civil Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
2018 / E.I. Civil Engineering
Active registration: Year first registered/discipline:
E.I. TX
Other experience and qualifications relevant to the proposed Project:
Mr. Guerin is a civil designer with over three (3) years of experience at Pivotal Engineering. Throughout this time, he has focused on design of roadways, sanitary sewer systems and storm drainage collection systems (including applicable green infrastructure components) More specifically, he is well-established in traffic analyses, pavement structural design, use of geosynthetics, geometric design, line and grade analyses, pavement marking, intersection improvements, pedestrian and bicycle lanes or paths, excavation and embankment, traffic, drainage/storm water management, water and wastewater, and landfills. He is a very competent design engineer with strong skillset in hydraulic & hydrologic modeling and AutoCAD Civil 3D.
Experience includes:
Cleveland & Avron Sewer Lift Station Rehabilitation; Jefferson Parish, LA
Mr. Guerin served as a civil designer for this project. Pivotal was retained by Jefferson Parish to replace the existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drives (VFD) as well as new controls, piping, and valves. 3-15HP pumps will be replaced with 2-25Hp Pumps.
N. Sibley & Boone Lift Station Improvements; Jefferson Parish, LA
Mr. Guerin serves as a civil designer for this project. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the C4-1A (N. Sibley and Boone) Lift Station Rehabilitation project. The major scope of the improvement is replacement of all existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drive (VFD) as well as new controls, piping, and valves. 2-15 HP pumps will be replaced with 2-15 HP Pumps.
Smith & Toulouse Lift Station Upgrades; Jefferson Parish, LA
Mr. Guerin serves as a civil designer for this project. Pivotal is retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the H6-5 Smith &

TEC Professional Services Questionnaire

Toulouse Lift Station Upgrades.
The proposed project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station will require a new 8' fiberglass wet well and valve pit.

Wright Road Improvements; New Orleans, LA

Mr. Guerin serves as a civil designer for this project. The project includes removing the existing street, drainage and sewer structures and designing new alignment and profile, drainage and sewer structures. He was responsible for designing horizontal and vertical roadway alignment, drainage collection systems, water line replacements, sewer line replacements, geometrics of the streets as well as preparing both capital cost estimates and construction documents.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kepal Patel, EI; Electrical Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
BS Electrical Engineering 2019
Active registration: Year first registered/discipline:
2019 LA EI # 0034453
Other experience and qualifications relevant to the proposed Project:
Mr. Patel serves as an electrical/roadway designer for Pivotal Engineering. Mr. Patel designing experience includes CADD work, generally to show the pole location, laying out circuit design from the power source to individual poles, type of foundation used, type of fixture used and include its specifications. Currently, he is working on several JP streetlight projects and his role requires voltage drop calculations, conduit sizes, wire sizes, grounding and bonding etc. and thus determine what kind of electrical components would be required for the installations.
Experience includes:
N. Sibley & Boone Lift Station Improvements; Jefferson Parish, LA Mr. Patel serves as an electrical/roadway designer. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the C4-1A (N. Sibley and Boone) Lift Station Rehabilitation project. The major scope of the improvement is replacement of all existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drive (VFD) as well as new controls, piping, and valves. 2-15 HP pumps will be replaced with 2-15 HP Pumps. **Wright Road Improvements; New Orleans, LA** Mr. Patel serves as an electrical/roadway designer. Pivotal personnel were retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entailed the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff has also been required to provide public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings.

TEC Professional Services Questionnaire

Veolia North America East Bank Treatment Plant – Gear Automation

Mr. Patel serves as an electrical/roadway designer. Pivotal was retained to provide a design for gear automation for the East Bank Treatment Plant. A project completed by Pivotal was the engineering and design cost estimate for installation of new main electrical utility ATS. The scope of this project included: reviewing current 13.8kv switchgear drawings and plant main electrical distribution drawings, investigating alternatives and manufacturer's information, presenting alternatives and discussing options, designing the actual installation, providing construction drawings and equipment specifications for bidding, assisting in equipment installation inspections and submitting reviews during construction, assisting in equipment start-up check-outs, and providing "red-line" as-built drawings to update S&WB drawing files once the project construction was completed.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Irish Jones; Licensed Electrical & Building General Contractor
Project Assignment:
Electrical Designer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
5 years of college in Electrical Engineering – University of Texas at Arlington
Active registration: Year first registered/discipline:
2014 / Bldg&Electric / LA #59972
Other experience and qualifications relevant to the proposed Project:

Mr. Jones serves as the senior electrical designer of Pivotal Engineering. He has over 40 years of experience in designing electrical installations (power distributions) for industrial and commercial applications of all magnitudes. He obtained his first-Class A electrical license in 1967 in Georgia. Being an electrical contractor for over 40 years, Mr. Jones has developed an extensive experience in not only designing and laying out electrical designs, but also in supervising the installations in the construction phase. His expertise allows the team to provide the best and most economical electrical design for any facility. Due to his experience as an electrician and a contractor, Pivotal will not need to depend on the in- plant electrician while conducting the electrical components field investigations.

Experience includes:

Cleveland & Avron Sewer Lift Station Rehabilitation; Jefferson Parish, LA

Mr. Jones serves as the senior electrical designer for this project. Pivotal was retained by Jefferson Parish to replace the existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drives (VFD) as well as new controls, piping, and valves. 3-15HP pumps will be replaced with 2-25Hp Pumps.

N. Sibley & Boone Lift Station Improvements; Jefferson Parish, LA

Mr. Jones serves as the senior electrical designer for this project. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the C4-1A (N. Sibley and Boone) Lift Station Rehabilitation project. The major scope of the improvement is replacement of all existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drive (VFD) as well as new controls, piping, and valves. 2-15 HP pumps will be replaced with 2-15 HP Pumps.

TEC Professional Services Questionnaire

Smith & Toulouse Lift Station Upgrades; Jefferson Parish, LA

Mr. Jones serves as the senior electrical designer for this project. Pivotal is retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the H6-5 Smith & Toulouse Lift Station Upgrades.
The proposed project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station will require a new 8' fiberglass wet well and valve pit.

Broadmoor Lift Station Upgrades; Shreveport, LA

Mr. Jones serves as the senior electrical designer for the rehabilitation of the Broadmoor Lift Station Improvements for the City of Shreveport. The Project includes the rehabilitation of the facility building including pumps, pipes, screening system, odor control system, and designing of an access road. Project management responsibilities included budgeting; invoicing; executing monthly progress meetings; preparing and tracking project schedules; and interacting with the client, owner, contractors and various permitting agencies.

CC1 Lift Station Improvements; Luling LA

Mr. Jones serves as the senior electrical designer for this project. The scope of the project was a major upgrade and rehabilitation of the existing pump station. The upgrade involved increasing the pumping capacity of the station from 2580 gpm to 4000 gpm (55% pumping capacity increase). Some of the main work scope involved the demolition of the entire existing power distribution gear, removal of existing 6 (30 hp) pumps with all related controls and replacement with (3) 100 hp pumps with soft start controls. Further a cost analysis breakdown between Soft Start and VFDs were performed and client chose the first option due to budget constraints. Moreover, the design involved SCADA controls, new PLC and tying the controls to the department Telemetry system.

Patriot Lift Station; Jefferson Parish, LA

Mr. Jones serves as the senior electrical designer for this project. Pivotal was retained to perform a full electrical design with specifications for a duplex lift station (Patriot) for Jefferson Parish. The overall system consisted of a NEMA 4X self -standing main control panel/MCC, 240, 3 phases, 4 wires. The control panel also included logic to allow the pump motors to start/stop manually from the push bottoms at the panel or automatically via the PLC inside the panel. The PLC also controlled the levels at the well and the backup level system. All of the PLC digital and analogue inputs/outputs were also transmitted from the PLC to the Jefferson Parish SCADA system central facility via radio signal.

Veolia North America East Bank Treatment Plant – Gear Automation

Mr. Jones serves as the senior electrical designer for this project. Pivotal was retained to provide a design for gear automation for the East Bank Treatment Plant. A project completed by Pivotal was the engineering and design cost estimate for installation of new main electrical utility ATS. The scope of this project included: reviewing current 13.8kv switchgear drawings and plant main electrical distribution drawings, investigating alternatives and manufacturer's information, presenting alternatives and discussing options, designing the actual installation, providing construction drawings and equipment specifications for bidding, assisting in equipment installation inspections and submitting reviews during construction, assisting in equipment start-up check-outs, and providing "red-line" as-built drawings to update S&WB drawing files once the project construction was completed.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Javier Rondan Zambra; Civil Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
pivotal engineering
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
M.S. Civil Engineering - 2021 **B.S. Civil Engineering - 2018**
Active registration: Year first registered/discipline:
n/a
Other experience and qualifications relevant to the proposed Project:
Mr. Rondan serves as a civil project engineer with over two (2) years of experience in the transportation sector with a special focus on highway design, construction, and maintenance. He is knowledgeable in traffic engineering design and operation. He is well versed in construction scheduling, means & methods for utility installations and green infrastructure integration.
Experience includes:
Smith & Toulouse Lift Station Upgrades; Jefferson Parish, LA This project consists of abandonment of existing dry well and retrofit of existing wet well, construction of new wet well, valve pit, and force main bypass, and installation of new sewer and pipes and sewer force main, as well as removal and replacement of asphalt roadway with concrete roadway, and drainage improvements. Mr. Rondan's responsibilities include plan drafting, budget and quantities estimation, and documentation for project submittal.
14th Street Drainage Improvements; Jefferson Parish, LA Mr. Rondan's involvement in this project consists of plan drafting, quantities estimation, cost estimation and documentation for project submittal. Overall, the project goal was to improve the drainage network along 14th Street. Project scope items include the following: construction of new sidewalks and ADA ramps, replacement of pavement and driveways, adjustment of required sewer connections, adjustment of identified water lines and the construction of a new outfall for the canal.
Bonnabel Bike Path; Metairie Rd to Levee; Jefferson Parish, LA Pivotal Engineering was retained by the Jefferson Parish to provide Drainage Analysis, A/E Design of the Bonnabel Bike Path (Metairie Rd to Levee line). Pivotal engineering staff performed a drainage analysis to calculate 10-year discharge from the identified contributing areas. As this project was developed to increase

community access to quality-of-life resources (Lake Pontchartrain as well as nearby open-space places), maximum attention was given to the configuration of the bike path along Bonnabel Street. Existing trees were integrated into the design as well as standard traffic control devices. Mr. Rondan contributes to the plan drafting for this project.

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

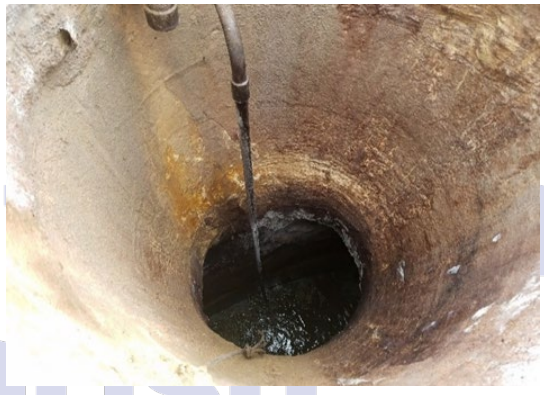
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**
Cleveland & Avron Sewer Lift Station Rehabilitation **Jefferson Parish, LA** Sid Trouard, P.E. Jefferson Parish 1221 Yenni Building, Suite 803 Jefferson,LA 70123 (504) 736-6386	*Reconstruction* Pivotal was retained by Jefferson Parish to replace the existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drives (VFD) as well as new controls, piping, and valves. 3-15HP pumps will be replaced with 2-25Hp Pumps.  

Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020	$600,000	$600,000

TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
N. Sibley and Boone Lift Station Improvements **Jefferson Parish, Louisiana** Mitch Theriot P.E. Director Jefferson Parish Drainage Department 1221 Yenni Building, Suite 907 Jefferson Parish, LA 504-736-6753	*Replacement of all Existing Submersible pumps* Pivotal Engineering is retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the C4-1A (N. Sibley and Boone) Lift Station Rehabilitation project. The major scope of the improvement is replacement of all existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drive (VFD) as well as new controls, piping, and valves. 2-15 HP pumps will be replaced with 2-15 HP Pumps.  	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022	$447,263	$447,263

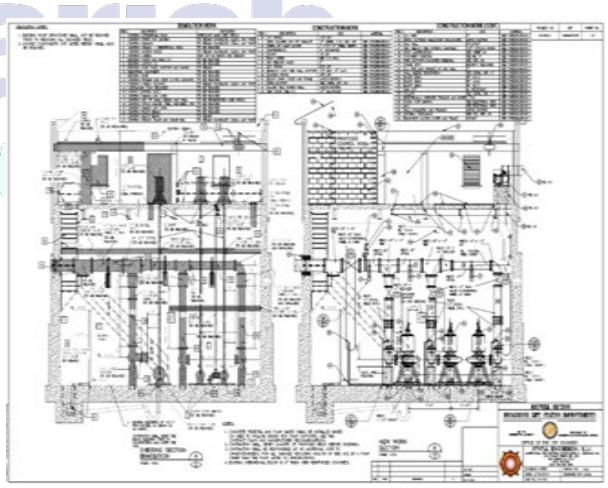
TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility**	
Elmwood & Citrus Lift Station **Jefferson Parish, LA** Jefferson Parish 1221 Yenni Building, Suite 803 Jefferson,LA 70123 (504) 736-63	Pivotal Engineering was retained by Jefferson Parish to provide engineering services, inspection and construction administration of Elmwood and Citrus sewer lift station. The scope included evaluation, preliminary and final design phase services for design and construction plan preparation of the Elmwood & Citrus Lift Station. The proposed project included abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design a new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station required a new 8' fiberglass wet well and valve pit.  	
Completion Date (Actual or estimated)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2021	$1,100,000	$1,100,000

TEC Professional Services Questionnaire

PROJECT NO. 4			
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**		
Smith & Toulouse Lift Station Upgrades **Jefferson Parish, LA** Sid Trouard, PE Jefferson Parish, Capital Projects 1221 Elmwood Park Blvd., Suite 906 Jefferson, LA 70123 (504) 736-6386	Pivotal is retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the H6-5 Smith & Toulouse Lift Station Upgrades. The proposed project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and design new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station will require a new 8' fiberglass wet well and valve pit.  		
Completion Date (Actual or estimated):	**Estimated Cost:**		
	Entire Project:	**Work for which Firm was Responsible:**	
2022	$1,113,121.23	$1,113,121.23	

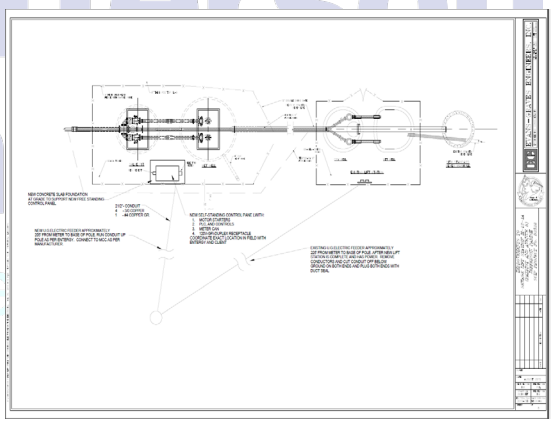
TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Broadmoor Lift Station Upgrades **Shreveport, LA** Autumn Permenter City of Shreveport DPW 505 Travis St. Shreveport, LA 71101 (318) 673-6026	*Lift Station Improvements & Sewer Design* Pivotal was retained by the City of Shreveport to provide A/E services for Broadmoor Lift Station Project. Pivotal was responsible for reviewing the existing plans provided by the Owner; developing preliminary and final design layout plans, mechanical plans and specifications as required by local, city, federal or state agencies. Prior to design, Pivotal personnel designed a new power supply and distribution center (600A, 480V, 3 phase Switch Gear with MCC & VFDs for the (3) new 100 HP pumps) as an upgrade to the facility's existing systems, PLC control, SCADA/Telemetry interface and Automatic Transfer Switch (ATS). Moreover, the scope required the addition of a secondary power supply (600A, 480 V, 3 phase) to the switch gear from a different feeder via an automatic transfer switch. In addition, Pivotal designed a new 18" Mag flow meter in the existing below grade force main and new odor control system in order to eliminate the existing odor problems faced by the neighboring residents. Additional scope included sizing force mains, sizing and selecting pumps, designing bypass pumping plan, rehabilitation of manholes, junction boxes, designing electrical panels and complete architectural improvements to the Lift Station. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2013	$3,500,000	$3,500,000

TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
CC-1 Lift Station Improvements, Luling, LA St. Charles Parish Department of Public Works 100 River Oaks Destrehan,LA 985-783-5100	*Lift Station Improvements, Electrical Panels, Switch Gear, & Sewer Design* The scope of the project was a major upgrade and rehabilitation of the existing pump station. The upgrade involved increasing the pumping capacity of the station from 2580 gpm to 4000 gpm (55% pumping capacity increase). Some of the main work scope involved the demolition of the entire existing power distribution gear, removal of existing 6 (30 hp) pumps with all related controls and replacement with (3) 100 hp pumps with soft start controls. Further a cost analysis breakdown between Soft Start and VFDs were performed and client chose the first option due to budget constraints. Moreover, the design involved SCADA controls, new PLC and tying the controls to the department Telemetry system.  	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2014	$780,000	$780,000

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Patriot Lift Station; Jefferson Parish, LA Linda Daly, Director Jefferson Parish Department of Sewer 1221 Yenni Building, Suite 803 Jefferson,LA 70123 (504) 736-6661	*Perform a full electrical design with specifications for a duplex lift station (Patriot) for Jefferson Parish.* The overall system consisted of a NEMA 4X self -standing main control panel/MCC, 240, 3 phases, 4 wires. The control panel also included logic to allow the pump motors to start/stop manually from the push bottoms at the panel or automatically via the PLC inside the panel. One of the main challenges Pivotal faced was the urgency to produce 100% stamped Construction Documents, full specifications and a cost estimate in only 5 days. Pivotal was able to meet the stringent deadline. Another challenge was the lack of existing drawings, which required Pivotal to go to the site and verify available utilities/power and incorporate it into the design drawings. Again, Pivotal was able to do so within the 5 days' time frame and complete the project on time. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2015	$1,000,000	$500,000

TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Page & Longfellow Lift Station Improvements **Metairie, LA** Linda Daly, Director Jefferson Parish Department of Sewer 1221 Yenni Building, Suite 803 Jefferson,LA70123 (504) 736-6661	*Construction Management for new Power distribution system, piping, and pumps* Pivotal Engineering, LLC was retained by Jefferson Parish to provide Construction Management for the Page & Longfellow Lift Station Improvements. The project consisted of installation of a new power distribution system, valves, piping, pumps, and odor control system. Pivotal stationed a Resident Inspector for the entirety of construction. Pivotal's Resident Inspector was tasked with providing daily reports to document the Contractor's daily activities, project progress, and photo documentation to be provided to the client on a daily basis. Pivotal was also responsible for providing review of Contractor Pay Applications, Change Order Requests, and RFIs in a timely manner.  	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2015	$1,000,000	$400,000

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Wright Road Improvements **New Orleans, LA** City of New Orleans 1300 Perdido St., Room 6W03 New Orleans, LA 70112 Nguyen Phan (504) 658-8000	Pivotal personnel are retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entails the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff have also been required to provide public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings. • Review the required topographical survey of existing site conditions prior to start of design phase. • Design new drainage network for 10 years return period. • Design new gravity sewer collection system to replace existing system that had been in service for more than 40 years. • Design new water main and located it on the median. • Design new street for tie-in to side streets. • Coordinate all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022	$9,000,000	$9,000,000

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		No prior and/or on-going litigation between Firm and 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.

PIVOTAL ENGINEERING, LLC

Pivotal Engineering, LLC is a full-service engineering design firm based in New Orleans, Louisiana. Pivotal has established a reputation for providing superior service to its clients and delivering quality work on time and within budget. Pivotal's principals and staff have in excess of 200 years of combined experience in civil engineering, mechanical engineering, electrical engineering, environmental engineering and program/project management for both public and private entities across the Gulf South Region. The current staff of Pivotal has extensive experience managing a variety of complex projects, from conception to construction.

Pivotal is a certified Small Business Enterprise with both the Small Business Administration and City of New Orleans. Furthermore, Pivotal has been certified as a Disadvantaged Business Enterprise by the City of New Orleans, Sewerage and Water Board of New Orleans, the New Orleans Aviation Board and Harrah's Casino. Pivotal Engineering is also certified by the Louisiana Department of Economic Development as a Small Entrepreneurship SE (Hudson Initiative) firm.

TEC Professional Services Questionnaire

Required Personnel/Required Firm Qualifications

The person or firm submitting a Statement of Qualifications shall have the following minimum qualifications:

1. **The persons or firms under consideration shall have at least one (1) principal who is a licensed, registered professional engineer in the State of Louisiana (Section C. of TEC Professional Services Questionnaire)**

   Yoseph Shifare, PE
   LA PE# 42747 Civil Engineering

2. **The persons or firms under consideration shall have a professional in charge of the Project who is a licensed, registered professional engineer in the State of Louisiana with a minimum of five (5) years' experience (Section K. "PROFESSIONAL IN CHARGE OF PROJECT:" of TEC Professional Services Questionnaire)**

   Avinash Mehta, PE
   LA PE # 35100 Civil Engineering

3. **The persons or firms under consideration shall have one (1) employee who is a licensed, registered professional engineer in the State of Louisiana in the applicable discipline involved. A subcontractor may meet this requirement only if the advertised Project involves more than one discipline (Section D. of TEC Professional Services Questionnaire).**

   Bassam Mekari, PE
   LA PE # 31801 Electrical Engineering

   Yoseph Shifare, PE
   LA PE# 42747 Civil Engineering

Evaluation Criteria

1) Professional training and experience in relation to the type of work required for the engineering services

The Pivotal Engineering staff members that will be assigned to this contract have extensive, specialized experience in Engineering Design and Construction Management for Private Entities, and Government and Municipal Agencies in the Gulf South area. Our Principals and Staff have gained this experience not only through many years of providing services to this variety of clients on a very diverse portfolio of projects, but also through focused continuing education. Pivotal Engineering's principals and staff have all been given accolades on their technical competence and knowledge of administering the contract plans and specifications per agency policy and procedure.

Our management team is comprised of experienced managers and task leaders with proven leadership, thoughtfully bringing together capable team members with exceptional technical skills, and supporting them with good QA/QC processes. Open lines of communication and weekly internal conference calls will ensure

that the project is managed successfully, within budget and schedule.

Our Team is committed to defining the project and setting expectations as our first step toward making that project a success. We as a team will apply various techniques for project estimation and cost control including:

- Set Expectations Early, Review Often
- Planning the Project Budget
- Keeping Track of Costs
- Establishing a Communication Plan
- Effective Time Management
- Project Change Control
- Use of Earned Value to Monitor Both Cost and Schedule

Our integrated team will provide an optimized concurrent engineering environment that provides an opportunity to substantially reduce the total cost of a project. Benefits of our integrated team with members of various skilled disciplines enable a simultaneous contribution to an early project definition and increase the likelihood of a reduced lifecycle cost by avoiding costly alterations later in the design process.

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

Pivotal Engineering has a depth of technical capabilities and expertise to complete the assigned work in a timely manner. We have the needed technical personnel to assure the Parish that all work will be performed in accordance to the contract scope of work and in strict conformance with the latest City guidelines and standards. Pivotal has the manpower, equipment, and expertise to execute any given project within a reasonable time frame. Pivotal staff has a reputation of project delivery both on time and within budget. Pivotal Engineering's current workload will allow for quick assignment of technical resources to the project at hand. The firm has the required management and field personnel readily available to begin the necessary services upon written notification.

Historically, Pivotal has provided a direct line of communication to anyone who is a representative of the client to the assigned Project Principal and Manager. It has been our goal to make communication a priority. We've provided cell lines as the first line of communication, followed by e-mail transmissions and office lines as last resorts. We do not let calls or e-mails go unanswered more than 24-hours and with this have seen huge success as it relates to our client's reliance on us as their consultant of choice.

Approach to Agency Coordination:

The Pivotal Team will identify responsible agencies as early as practical. The Team will notify the Jefferson Parish and address technically any issues of concern regarding the project's scope, potential infrastructure, environmental, social, or economic impacts that could substantially delay or prevent an agency from granting a permit or other approval that is needed for the project. The team will assure that agencies are fully engaged in the scoping of the project and the decisions regarding alternatives to be evaluated in detail in the design.

The Team understands an agency's role in the development of the project and may include the following as they relate to areas of expertise:

1. Provide meaningful and early input to address concerns and impacts.
2. Identify issues that could substantially delay or prevent granting of permits/approvals.
3. Identify opportunities for collaboration, including participating in coordination meetings and joint field reviews, as appropriate.
4. Provide timely compliance with review and comment on preliminary documents to reflect the views and concerns of their respective agencies, alternatives considered and anticipated impacts and mitigation.

Approach To Coordinating Project Delivery Tasks:

The Team will use an Integrated Project Delivery (IPD) approach that integrates staff, systems, team company's structures and professional practices into a process that collaboratively harnesses the talents and insights of all participants to optimize project results, increase value to the owner, to the community, reduce waste, and maximize efficiency through all phases of design, bid, and construction.

The Integrated Project Delivery is assembling a team that is committed to collaborative processes and is capable of working together effectively. In order to accomplish this, Principal project manager will:

1. Identify the Team's roles that are most important to the project.

2. Consider interests and seek involvement of select additional parties, such as agency official(s), local utility companies, and other stakeholders.

3. Define in a mutually understandable fashion the values, goals, interests and objectives of the project to the larger program goals.

4. Identify the Team's organizational and business structure best suited to IPD that is consistent with the Team's capacity and constraints. The choice should not be rigidly bound to traditional project delivery methods, but should be flexibly adapted to the project.

5. Develop project agreement(s) to define the roles and accountability of the Team members. The project agreements should be synchronized to assure that company's roles and responsibilities are defined identically in all agreements and are consistent with the agreed Team organizational and business models. Key provisions regarding compensation, obligation and risk allocation will be clearly defined and should encourage open communication and collaboration.

3) Location of the principal office

Pivotal Engineering, LLC has an office located in Jefferson Parish at 3925 N. I-10 Service Rd. West, Suite 109R, Metairie, LA 70002. This shall prove to be a valuable asset to Jefferson Parish as our staff can be at the Parish's office at moment's notice to attend critical meetings.

4) Adversarial legal proceedings between the Parish and the person or firm performing professional services, in which the Parish prevailed, or any ongoing adversarial legal proceedings between the Parish and the person or firm performing professional services, excluding those instances or cases where the person or firm was added as an indispensable party, or where the person or firm participated in or assisted the public entity in prosecution of its claim

TEC Professional Services Questionnaire

Pivotal Engineering, LLC is not, nor has it ever been, involved in any litigation with the Jefferson Parish or any other Parish/State/Federal agencies.

5) Prior successful completion of projects of the type and nature of the engineering services, as defined, for which firm has provided verifiable references

- Nguyen Phan, P.E., Chief Engineer City of New Orleans DPW. (504) 658-8000, nphan@nola.gov
- Khalid L. Saleh, Ph.D, Senior Design Engineer, City Of New Orleans DPW, (504) 658-8208, ksaleh@nola.gov
- Neil Schneider, CCM, P.E. Director of Capital Projects, Jefferson Parish Department of Capital Projects (504) 736-6833, nschneider@jeffparish.net
- Mike Lockwood, Director of Sewerage, Jefferson Parish Department of Sewer (504) 736-6661, mlockwood@jeffparish.net
- Mark Drewes, PE; Director of Public Works, Jefferson parish, Department of Public Works, (504) 736-6783, mdrewes@jeffparish.net
- Angela DeSoto, PE; Director of Engineering; Jefferson Parish, Department of Engineering, (504) 736-6500, adesoto@jeffparish.net
- Myra Alexis-Valentine, Grants Administer, St. John Parish, (985) 652-9569, m.alexisv@stjohn-la.gov
- Jean Todd, Contracting Officer, US Army Corps of Engineers, (901) 828 – 1503, jean.f.todd@usace.army.mil
- Wes Wyche; Director of Public Works; City of Shreveport; (318) 673-6000, Wes.Wyche@shreveportla.gov
- Christopher Racca; Environmental Protection Manager; Waste Management; (225) 637-2385, cracca@wm.com

6) Size of firm, considering the number of professional and support personnel required to perform the type of engineering tasks

As outlined in this Statement of Qualifications Pivotal not only presents the number of professional and support personnel available to perform this type of engineering tasks, but also demonstrates the breadth and diversity of the capabilities of the staff. Beyond this diversity of capabilities, Pivotal Engineering's Environmental, Planning, Design and Inspection staff has combined experience of greater than 200 years of experience in all phases of project delivery, including electrical, civil, mechanical, environmental, planning, management, design, and construction supervision experience. Professional qualifications include city, state, and federal certifications in safety, management, and a list of other certifications. The Pivotal drafting team is well versed in a variety of software including CIVIL 3D, HEC RAS, H20 MAP and Arc GIS. We ask that you note the resumes included herein for further information.

7) Past Performance by person or firm on Parish contracts

Pivotal Engineering has a history of providing lift station design, facility and building design, wastewater, street, water, and drainage design and construction administration services to many municipalities and state agencies in the region including; The City of New Orleans, The City of Shreveport, Sewerage and Water Board, The City of Kenner, St. Charles, St. John and Jefferson Parishes. These services have also been provided to private clients such as Entergy and Waste Management. Pivotal Engineering has in depth understanding of local, state, and federal governmental agencies procedures and regulations. The scope of work on which our staff has worked on includes: water treatment plant improvements, master planning, elevated storage tank designs, sewer treatment plant upgrades, lift stations,

build/repair streets, sidewalks, bike paths, drainage systems and utilities. Our engineers have great track records with helping our clients meet compressed deadlines yet delivering the project within budget. Pivotal personnel have heavy construction background capabilities and have several construction inspectors with extensive experience on board.

Our staff has proven excellence in managing projects from cradle to grave while providing value engineering which saved our clients hundreds of thousands of dollars. Our staff was essential in helping the city of New Orleans expediting its recovery post Katrina by handling and completing over 50 critical FEMA funded projects. Our staff has extensive experience in managing multi-million-dollar projects and programs for public infrastructure and CDBG disaster recovery.

The following is a brief list of the team's relevant experience:

- **Cleveland & Avron Sewer Lift Station Rehabilitation, Jefferson Parish, LA**
- **N. Sibley and Boone Lift Station Improvements, Jefferson Parish, LA**
- **Elmwood & Citrus Lift Station, Jefferson Parish, LA**
- **Smith & Toulouse Lift Station Upgrades, Jefferson Parish, LA**
- **Broadmoor Lift Station Upgrades, Shreveport, LA**
- **CC-1 Lift Station Improvements, Luling, LA**
- **Patriot Lift Station, Jefferson Parish, LA**
- **Page & Longfellow Lift Station Improvements, Metairie, LA**
- **Wright Road Improvements, New Orleans, LA**
- **East Bank Treatment Plant Gear Automation, New Orleans, LA**

Quality Assurance / Quality Control Plan

Our management team is comprised of experienced managers and task leaders with proven leadership who can thoughtfully bring together capable team members with exceptional technical skills, and support them with good QA/QC processes. Open lines of communication and weekly internal conference calls will ensure that the project is managed successfully within budget and schedule.

Pivotal maintains a comprehensive program to ensure that our projects bring the most value to our clients and are of high quality. Each Pivotal project has a comprehensive QA/QC plan to make sure our procedures and documentation conforms to our corporate policies and our client's requirements. QA/QC is much more than providing reviews and checking computations. Quality is a mindset that is shared by every member of the Pivotal team. It starts by clearly understanding expectations and making a commitment to meet them every day and with every deliverable. Each project review also includes some elements of internal value engineering. Our senior staff focuses not only on accuracy and completeness, but on value, optimization, simplicity, operations, maintenance, power cost, and constructability.

TEC Professional Services Questionnaire

Our principals and staff have gained this experience not only through many years of providing services to this variety of clients on a very diverse portfolio of projects, but also through focused continuing education. Pivotal Engineering's principals and staff have all been given accolades on their technical competence and knowledge of administering the contract plans and specifications per agency policy and procedure.

Pivotal believes that quality products and services result from having sound business practices, retaining talented staff, and focusing on being responsive to our client's needs. Our clients respect us for our philosophy of "doing the right things for the right reasons."

Quality is integrated into Pivotal's day-to-day business activities through our Quality Management System (QMS). The programs, policies, and business processes that comprise the QMS have four key elements:

- Focus - Management actively promotes quality in our business activities and defines responsibilities for maintaining a quality focus.
- Service - Staff members are trained, available, and committed to providing quality services.
- Delivery - Processes and procedures are in place that promotes quality in the delivery of our products and services.
- Improvement - Continual improvement is achieved through performance measurement and identification of areas for improvement.

Pivotal's senior management demonstrates its commitment to quality through establishing responsibilities for quality at all levels of the company, from company principals to members of management to the project team. Responsibilities are documented in Pivotal's QA/QC Program procedures. These procedures define how Pivotal delivers products and services to our clients.

Experience in creating and working with multi- disciplinary project delivery team:

Pivotal Engineering's management team is comprised of experienced managers and task leaders with proven leadership, thoughtfully bringing together capable team members with exceptional technical skills, and supporting them with good QA/QC processes. Open lines of communication and weekly internal conference calls will ensure that the project is managed successfully, within budget and schedule.

Pivotal's approach to the assigned project includes integrated and comprehensive engineering services that include facility inventories, development of design criteria, assessment of major engineering components, preparation of specifications, and plans and associated construction cost.

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

Signature: _____ **Print Name: Avinash Mehta, PE**

Title: Principal-In-Charge **Date: 6/21/2022**

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/22/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Avinash Mehta
1201 Giuffrias Avenue
Metairie, Louisiana 70001

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

Mr. Avinash Mehta

License/Certificate Type - Number: PE.0035100

Expiration Date: 03/31/2024

Status: Active

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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).

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.

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 LAPELS 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 LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, 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 LAPELS.

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Business & Contact Information

BUSINESS NAME	**Pivotal Engineering, LLC**
OWNER	**Mr. Avinash Mehta**
ADDRESS	**1515 Poydras Street, Suite 1875** **New Orleans, LA 70112 [map]**
PHONE	**504-799-3653**
FAX	**504-799-3654**
EMAIL	**cprice@pivotaleng.com**
WEBSITE	**http://pivotaleng.com**

Certification Information

CERTIFYING AGENCY	**City of New Orleans**
CERTIFICATION TYPE	**SLDBE - State-Local Disadvantaged Business Enterprise**
CERTIFICATION DATE	**12/8/2021**
CERTIFIED BUSINESS DESCRIPTION	**Engineering Consulting; Environmental Engineering; Mechanical, Electrical, & Plumbing (MEP) Engineering; Civil Engineering; Structural Engineering; Construction Management; Project Management; Program Management; Hazardous Waste Testing, Treatment and Removal**

Commodity Codes

Code	Description
NAICS 236220	Construction management, commercial and institutional building
NAICS 236220	Project management (deactivated in 2007 codeset)
NAICS 541330	Civil engineering services
NAICS 541330	Electrical engineering services
NAICS 541330	Engineering consulting services
NAICS 541330	Engineering design services
NAICS 541330	Environmental engineering services
NAICS 541330	Mechanical engineering services
NAICS 562211	Hazardous Waste Treatment and Disposal

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Additional Information

SERVICE TYPE	**Professional Service**
CERTIFYING AGENCY	**CNO**