Routine Engineering Services for Drainage Projects

Resolution No. 138811
SOQ# 22-011

Submitted to:

Jefferson Parish
State of Louisiana

Submitted by:

RCL
CONSULTANTS, LLC

March 24, 2022

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

RCL
CONSULTANTS, L L C
Planning
Architecture
Engineering
Construction Management

March 24, 2022

Jefferson Parish Council
c/o Ms. Eula A. Lopez, Parish Clerk
General Government Building
200 Derbigny Street, Suite 6700
Gretna, LA 70053

Subject: RFQ: ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS IN JEFFERSON PARISH RESOLUTION NO. 138811 – SOQ# 22-011

Dear Ms. Lopez:

The firm of Richard C. Lambert Consultants, LLC is pleased to submit the attached materials in response to your Request for Qualifications for Routine Engineering Services for Drainage Projects in Jefferson Parish.

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:
Routine Engineering Services for Drainage Projects - Resolution No. 138811 SOQ# 22-011

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.		

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 if necessary.

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.

TEC Professional Services Questionnaire

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.

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:

- **West Napoleon Avenue, Project No. 742-07-0092 ($12.5 Million)**
- **Lasalle Tract Drainage Study, Jefferson Parish**
- **Dwyer Road Intake Canal, New Orleans, LA, W912P8-03-e-0093 ($53 Million)**
- **West Esplanade (WB) Panel Replacement, Project No. 742-26-0070**
- **Mounes Street Extension (Edwards Avenue to Hickory Drive), Jefferson Parish, Project No. 93-052-RBI ($2.7 Million)**
- **Veterans Boulevard Back-To-Back U-Turns, Project No. 98-015C-RBI ($1.8 Million)**
- **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, LA**
- **W- 14 Reinforced Box Culvert, Slidell, LA ($1.75 Million)**
- **I-12 Pinnacle Pkwy/Brewster Road Tchefuncte Interchange, Covington, LA Project No. 454-04-0073 ($9.9 Million)**
- **Washington Parish Culvert Replacement Program and Grant Initiative Program**
- **Sustainable Growth Study, St. Tammany Parish**
- **Westwood Detention pond, St. Tammany Parish**
- **Bayou Tete L'Ours Watershed Management Study, St. Tammany Parish**
- **Black River Tributary Study, St. Tammany Parish**
- **Lapin Street, Quail Creek, & Forest Brook Drainage Improvements, St. Tammany Parish**
- **Eastwood Drainage Improvements, Slidell, LA**
- **Transcontinental Drive (Phase I)(I-10 to Quincy Street), Project 98-051-RBI (2 Million)**
- **Transcontinental Drive (Phase II)(Quincy Street to Yale Street), Project No. 98-051A-RBI)$2.1 Million)**
- **I-12 @ LA21 Interchange, Project No. 059-01-0027($5 Million)**
- **LA 21 Improvements, Project No. 059-01-0026 ($9.9 Million)**

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.

Member of the following Societies and Organizations: American Consulting Engineers Council; American Association of State Transportation Officials (AASHTO); American Society of Civil Engineers, American Concrete Institute; Construction Specifications Institute; National Society of Professional Engineers; Society of Tulane Engineers; Water Environment Federation; APWA New Orleans Metro Chapter and North Lake Chapter

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:

St. Tammany Parish Sustainable Growth Study: Drainage Engineer 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 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.

West Napoleon Avenue (Roosevelt Blvd. to David Dr.): $12.54 Million, 4 lane divided arterial asphalt roadway with concrete curb and gutter. The project was funded through the LADOTD TIMED Program and also included the design of concrete-lined canals in Jefferson Parish with 3 drainage pump stations which discharge into W. Napoleon Canal. U-turn construction with reinforced concrete box culverts.

LaSalle Tract Drainage Study (Jefferson Parish): H&H evaluation of the existing drainage system within the LaSalle Tract including existing facilities such as Zephyr's field, the LaSalle ball fields, nearby Saints practice facility and estimate the impacts of the proposed Performing Arts Center. Recommendations were given for drainage improvements including detention facilities.

West Esplanade Avenue (Bonnabel Blvd. to Lake Ave.): Design of a $5.3 Million asphalt roadway and drainage improvement project in Jefferson Parish including upgrades to the water and sewer system.

Mounes Street Extension (Edwards Avenue to Hickory Drive), Jefferson Parish, Project No. 93-052-RBI: Design of a four lane roadway with drainage. Design included R.C. Box Culvert and utility relocations. This project included a new major drainage system, other new underground utilities and railroad crossing. New signage and pavement markings were installed for the upgraded railroad crossing.

Transcontinental Drive (Phase I) (I-10 to Quincy Street), Project 98-051-RBI: Design of $2.0 million asphalt street reconstruction project for the Jefferson Parish Department of Engineering. This project included the installation of a new major drainage system, inclusive of reinforced concrete box culvert and back-to-back u-turns.

Gabriel Subdivision, Kenner, LA: Design of this residential community of 219 lots extending over a site in excess of 70 acres. Design drainage improvements for this subdivision included Hydrologic and Hydraulic study. All work was in accordance with Jefferson Parish Dept. of Drainage Regulations.

TEC Professional Services Questionnaire

Dwyer Road Intake Canal, New Orleans, LA: 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 Army 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.

Westwood Regional Detention Pond: Proposed 60-acre Westwood Regional Detention Pond project based on the RCLC's Westwood Regional Detention Pond Hydrological Analysis HEC-HMS and HEC-RAS models.

Westwood Regional Detention Hydrological Analysis Project: Basin wide Hydrological analysis to estimate the benefits associated with the Westwood Regional Detention Pond. The existing Bayou Tete L'Ours HEC-HMS and HEC-RAS models were reviewed and updated to reflect substantial changes to the watershed included updating the stage storage and elevation discharge functions that represent the proposed regional detention pond.

W-14 Reinforced Box Culvert, Slidell, LA, Project No. 100-108: Double 14'x10', 350ft long reinforced concrete box culvert with drainage and related earthwork. Design of this box culvert required an existing condition and post construction hydrologic and hydraulic study using HEC-HMS and HEC-RAS software to evaluate the effects of the improvements to the watershed. Results of study were reviewed by the City of Slidell, St. Tammany Parish Engineering Departments and U.S. Army Corps of Engineers. Funding for this project was through Louisiana Facilities Planning and Control.

Eastwood Drainage Improvements, Slidell, LA: Upgrade an existing box culvert to a 4'x6' Reinforced Box Culvert. The purpose of this H&H study was to analyze improvements, prepare cost estimates for three alternative alignments and develop a benefit/cost analysis. This project was administered through and funded by GOHSEP and FEMA. Results of the H&H Study were incorporated into construction documents and let for bid.

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. These designs were presented into construction documents ready for Owner to release for bidding. Administered through and funded by GOHSEP and FEMA guidelines and approved by those agencies.

Bayou Tete L'Ours Watershed Management Study: Extensive hydrologic drainage study in St. Tammany Parish. Per contract, existing and improved conditions were modeled utilizing USACE's HEC-HMS and HEC-RAS computer software. Information was provided to St. Tammany Parish to show the effects of growth and new construction projects on the drainage capacity of the Bayou Tete L'Ours Watershed. Watershed improvements were recommended including the construction of a 66.5 acre in-line detention pond along Bayou Tete L'Ours. Results from this study were provided to the USACE for inclusion into the updated FEMA D-FIRMs.

Lapin Street, Quail Creek, & Forest Brook Drainage Improvements, Mandeville, LA: Comprehensive Drainage Analysis and Design for regional drainage detention Infrastructure improvements in St. Tammany Parish. Work 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. Administered through and funded by GOHSEP and FEMA.

Black River Tributary Study: Hydrologic drainage study in St. Tammany Parish to improve existing drainage conditions. Existing and improved conditions were modeled with USACE's HEC-HMS and HEC-RAS computer software. Information was provided to St. Tammany Parish to show the effects of growth and new construction projects on the drainage capacity of Black River and the benefits that detention basins would provide to the entire watershed.

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 pedisphere 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.

Coffee Street Drainage, Mandeville, LA: Design for the improvements to Coffee Street Drainage System. Design included developing a master drainage plan, analyzing improvements in an H&H computer drainage model, preparing contract documents for bid and construction from results provided in the drainage model.

Slidell Drainage Point Repair and Panel Replacement: The project included the removal and replacement of deteriorated concrete roadway panels, driveways, sidewalks, and drain lines throughout the City of Slidell.

Tulane University Hydrologic & Hydraulic Restoration & Mitigation Study, New Orleans, LA: Hydrologic and Hydraulic analysis of the Tulane University St. Charles Avenue Campus to evaluate the potential impacts of floodproofing 22 buildings within the Tulane campus on the surrounding community. Study and report evaluated the 1% annual rainfall event and its effects on the 100 year FEMA flood plain. This project was administered through GOHSEP and funded by FEMA.

As part of Mr. Zemmer's technical qualifications, experience and continuing education, he has attended the following drainage related seminars:
HEC-RAS (Steady State Flow) in San Francisco, CA; HEC-HMS in Kansas City, MO; HEC-RAS (Unsteady State Flow) in New Orleans; EPA's SWMM H&H Software in Houma, LA

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.

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.

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.

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.

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.

Earhart Jack and Bore, Project No. 96-022-DR: $1.2 million drainage project for Jefferson Parish Department of Capital Projects. This project included the jacking of three 84-inch steel pipes under Earhart Boulevard and concrete headwalls, wingwalls and splash ponds.

Transcontinental Drive (Phase I) (I-10 to Quincy Street), Project 98-051-RBI: A $2.0 million asphalt street reconstruction project for the Jefferson Parish Department of Engineering. This project included the installation of a new major drainage system, inclusive of reinforced concrete box culvert and back-to-back u-turns.

West Esplanade Avenue/Lake Avenue Intersection Improvements, Jefferson Parish, Project No. 98-036A-RBI: Construction Engineer on an $876 thousand project to upgrade the intersection, which included major drainage structures, concrete paving, asphalt pavement, and signalization.

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.

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:

St. Tammany Parish Sustainable Growth Study: Drainage Engineer 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 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.

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.

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.

Tamanend Subdivision – LA 434, Lacombe, LA: Civil Hydrologic Design for an 850 acre private development in St. Tammany Parish 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.

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.

TEC Professional Services Questionnaire

Additional Experience prior to RCLC:

Three Rivers Road Widening, Covington, LA: Civil Engineering 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.

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.

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.

Disaster Experience: Hurricane Katrina Projects included Venice Marina, East Pointe-a-la-Hache Marina, Buras Fire Station, Port Sulphur Civic Center, and East Bank Road Maintenance Facility. Angela Eymard was responsible for re-evaluation of onsite field assessments, meeting with FEMA to procure additional reimbursements for such projects. Her re-evaluation the sites and meetings with FEMA altered some of the original projects from repair projects to complete replacement projects and increased funding from approximately $3 million to $12 million dollars.

Disaster Experience: Angela Eymard has Project Management experience with roads, utility, and drainage damage as a result of the January and February 2005 California – Los Angeles Storms. She dealt personally with the public, local government agencies, state agencies, FEMA, and FHWA while working for LA County Road Maintenance Division. Her project area covered 30 square miles. During the storm she organized and coordinated storm crews and procured emergency supplies. She was responsible for onsite field assessments, course of action recommendations, quantities calculations, photo documentation, completion of federal worksheets, drawings, field meetings with FEMA & FHWA for procurement of maximum reimbursement, project accountability, and evaluation of storm related documentation and auditing of projects to ensure accuracy of reports for final submittals in order to receive maximum state and federal reimbursements.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

ARTHUR LEDET, P.E., *Design Engineer and Construction Engineer*

Project Assignment:

Assist in the design and development of plans and specifications and Construction Management

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..

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.

Lapin Street, Quail Creek, & Forest Brook Drainage Improvements, Mandeville: Comprehensive Drainage Analysis and Design for regional drainage detention Infrastructure improvements in St. Tammany Parish. Work 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. Administered through and funded by GOHSEP and FEMA.

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.

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.

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.

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 pedisphere 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:

Earhart Expressway Jack & Bore: A $1.2 million-dollar drainage project for the Jefferson Parish Department of Capital Projects. Project design included construction of three 84" diameter steel pipe Jack & Bore under Earhart Boulevard, reinforced Concrete headwalls, steel sheeting wing walls, splash ponds and incidental work.

Stormwater Demonstration Project (West Metairie and North Woodlawn): Project included design of a 54" SFM, 2,216lf with 25ft deep crossing under a 4 lane roadway (West Metairie) and major drainage canal. All work installed under traffic and required a full concrete roadway replacement with associated local drainage and utility redesign.

West Napoleon Avenue (Roosevelt Blvd. to David Dr.) Project No. 742-07-0092: CAD Design for a $12.54 Million, 4 lane divided arterial asphalt roadway with concrete curb and gutter. The project was funded through the LADOTD TIMED Program and also included the design of concrete-lined canals in Jefferson Parish with drainage, water and sewer improvements.

Mounes Street Extension (Edwards Avenue to Hickory Drive), Jefferson Parish Project No. 93-052-RBI: CAD Design for the ½ mile extension of arterial 4-lane concrete roadway in Jefferson Parish, including an 8'x10' box culvert and railroad crossing. Design required drainage, water and sewer lines.

Transcontinental Drive (Phase I) (I-10 to Quincy Street), Project 98-051-RBI: CAD Design for $2.0 million asphalt street reconstruction project for the Jefferson Parish Department of Engineering. Project included the installation of a new major drainage system, inclusive of reinforced concrete box culvert and back-to-back u-turns.

West Esplanade Avenue/Lake Avenue Intersection Improvements, Jefferson Parish Project No. 98-036A-RBI: Civil CAD team member on an $876 thousand project to upgrade the intersection, which included major drainage structures, concrete paving, asphalt pavement, and signalization.

Bonnabel Canal: $2 million project at the intersection of West Esplanade and Bonnabel Canal, which included construction of a two cell 24' x 12' high structure. The lateral structures tapered from 20 feet wide to 8 feet wide to provide proper flow characteristics for the intersecting canals.

Gabriel Subdivision, Kenner, LA: CAD Design for this residential community of 219 lots extending over a site in excess of 70 acres. Design drainage improvements for this subdivision included Hydrologic and Hydraulic study. All work was in accordance with Jefferson Parish Dept. of Drainage Regulations.

Coffee Street Drainage, Mandeville, LA: CAD Design for mill & overlay and replacement of ½ mile of asphalt roadway. Added subsurface drainage to existing ditches and replaced and relocated existing 8" waterlines.

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:	
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

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
LaSalle Tract Drainage Study ***Jefferson Parish, LA*** *Jefferson Parish* *Dept. of Engineering* *1221 Elmwood Park Jefferson, LA 70123* *Ryan Breaux, P.E.* *504-736-6512*	**Hydrologic and Hydraulic Study** to evaluate the existing drainage system within the LaSalle Tract including existing facilities such as Zephyr's field, the LaSalle ball fields, nearby Saints practice facility and estimate the impacts of the proposed Performing Arts Center. Recommendations were given for drainage improvements including potential detention facilities.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
8/2008 (A)	$50,000	$50,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
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

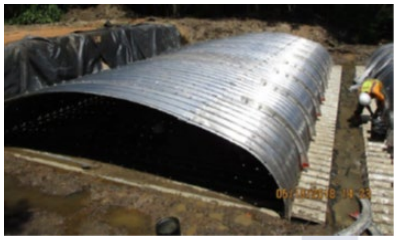
PROJECT NO. 4		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Tulane University Hydrologic & Hydraulic Restoration & Mitigation Study ***New Orleans, LA*** *Tulane University* *800 East Commerce Rd., Suite 201* *Harahan, LA 70123* *Michael Jester, Director of Capital Projects* *504-865-5444*	**Hydrologic and Hydraulic analysis** of the Tulane University St. Charles Avenue Campus to evaluate the potential impacts of floodproofing 22 buildings within the Tulane campus on the surrounding community. Study and report evaluated the 1% annual rainfall event and its effects on the 100 year FEMA flood plain. This project was administered through GOHSEP and funded by FEMA.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2011 (A)	$67,000	$67,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
W-14 Reinforced Concrete Box Culvert ***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 for this double 14'x10', 350ft long reinforced concrete box culvert with drainage and related earthwork. Design of this box culvert required an existing condition and post construction hydrologic and hydraulic study using HEC-RAS software to evaluate the effects of the improvements to the watershed.** Results of this study were reviewed by the City of Slidell, and St. Tammany Parish Engineering Departments and the U.S. Army Corps of Engineers. Study results were incorporated into plans and specifications for construction. Funding was through Louisiana Facility Planning and Control where all work complied within the intent of the Capital Outlay Request/Act. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
9/2011 (A)	$1,740,000	$1,740,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Bayou Tete L'Ours Watershed Management Study, Westwood Regional Detention Pond, and St. Tammany Parish Sustainable Growth Study ***St. Tammany Parish, LA*** *St. Tammany Parish Department of Engineering* *21415 Koop Road* *Mandeville, LA 70471* *Daniel Hill, PE, Director* *985-898-2552*	**Hydrology and Hydrologic Design** for this extensive watershed analysis using HEC-HMS and HEC-RAS for existing conditions to evaluate possible improvements to the basin. Basin map and delineation was developed using LiDAR contours, aerial imagery maps and other available information provided by St. Tammany Parish. One recommended improvement alternate was to incorporate a 66.5 acre in-line marsh detention pond along Bayou Tete L'Ours on undeveloped property. Existing and improved conditions were submitted to U.S. Army Corps of Engineers. The existing conditions model was used to update FEMA Maps and Flood Zone designations within St. Tammany Parish. **Drainage Growth Study** 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. **Basin wide Hydrological analysis** to estimate the benefits associated with the Westwood Regional Detention Pond. The existing Bayou Tete L'Ours HEC-HMS and HEC-RAS models were reviewed and updated to reflect substantial changes to the watershed included updating the stage storage and elevation discharge functions that represent the proposed regional detention pond. Proposed 60-acre Westwood Regional Detention Pond project based on the RCLC's Westwood Regional Detention Pond Hydrological Analysis HEC-HMS and HEC-RAS models.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2022 (E)	$1,300,000	$1,300,000

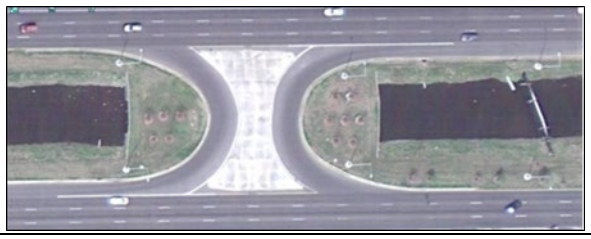
TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Washington Parish Culvert Replacement Program & Washington Parish Watershed Initiative Grant For Drainage Culvert Improvements ***Washington Parish, LA*** *Washington Parish Government* *909 Pearl Street* *Franklinton, LA 70438* *Ken Wheat, 985-839-7825* 	**Design and Construction Administration** for Washington Parish Public Works, which has 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. These designs were developed into construction documents for Owner to release for bidding. H&H study documents were developed in accordance with FEMA and GOHSEP guidelines and approved by those agencies. **Drainage Study** for the new 2021 Initiative Grant for 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.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2021 (A)	$2,300,000	$2,300,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Lapin Street, Quail Creek & Forest Brook Drainage Improvements ***Mandeville, LA*** *St. Tammany Parish* *Dept. of Engineering* *Daniel Hill, PE, Director* *21415 Koop Road, Mandeville, LA 70471* *985-898-2552*	**Comprehensive Drainage Analysis, Design and Construction Engineering and Observation** for regional drainage detention Infrastructure improvements in St. Tammany Parish. Work 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. Large scale drainage project administered through GOHSEP and FEMA.  	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
5/2016 (A)	$1,500,000	$1,500,000

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Galvez Canal Berm Improvements ***Mandeville, LA*** *City of Mandeville* *Department of Public Works.* *1100 Mandeville High Blvd.* *Mandeville, LA 70471* *Clif Siverd, Assistant Director* *985-624-3169*	**Canal and stability design and Construction Administration** of approximately 2,000 linear feet of composite FRP sheet pile wall with concrete cap and whaler to elevation 7.3' with associated backfill to minimize the effects of tidal and storm surge from Lake Pontchartrain on the existing Galvez Canal and surrounding areas. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2019 (A)	$1,200,000	$1,200,000

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Veterans Blvd. Back to Back U-Turns ***Metairie, LA*** *Jefferson Parish Dept. of Engineering,* *1221 Elmwood Park., Suite 802,* *Jefferson, LA 70123* *Angela DeSoto, PE, Director* *504-736-6512*	**Design, Construction Engineering and Resident Inspection** for this Asphaltic Cement Roadway with concrete curb and gutter for u-turns. Roadway placed over triple 9' x 9' reinforced box culverts. Project responsibility included design and construction engineering with resident inspection. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
12/2002 (A)	$1,800,000	$1,800,000

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, Interns, 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 drainage design projects across southeastern Louisiana, for which we designed and performed construction administration services. RCLC has designed numerous drainage 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 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 registered 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, and Mrs. Angela K.G. Eymard are professional civil engineers registered as such in Louisiana, in the field or fields of expertise 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 various **Drainage Projects** for project design and the development of construction documents. RCLC has successfully designed and administered the construction of numerous Drainage Projects Reinforced Concrete Box Culverts, Storm Water Detention Facilities, Streets, Highways, and Bridges 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 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. 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 drainage 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*
SUBMERGED STREETS PROGRAM LAKEVIEW AREA, NEW ORLEANS	Design and construction administration for remediation of damaged 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*

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 drainage projects. We will minimize the effects on neighboring businesses and residences and traffic patterns. 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 30 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 and in 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:

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

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

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

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

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: 03/25/22**

Statement of Qualifications

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF St. Tammany

BEFORE ME, the undersigned authority, personally came and appeared: Richard C. Lambert, PE, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized Manager / Member of Richard C. Lambert Consultants, LLC (Entity), the party who submitted a Statement of Qualifications (SOQ) to Routine Engineering Services For Drainage Projects (Briefly describe the services the SOQ will cover), to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

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

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

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

Richard C. Lambert and Richard C. Lambert Consultants, LLC
Contributions Made to Current or Former JP Elected Officials
03/25/2020 through 03/25/2022

Date	Name	Amount
03/16/2021	Van Vrancken, Jennifer	$ 500.00
		$ 500.00
04/30/2021	Bonano, Deano	$ 500.00
		$ 500.00
03/04/2021	Connick, Paul	$ 300.00
		$ 300.00
03/09/2021	Munch, Dwayne	$ 500.00
		$ 500.00
06/07/2021	Impastato, Dominick	$ 1,000.00
		$ 1,000.00
02/09/2022	Walker, Scott	$ 1,000.00
		$ 1,000.00
02/18/2020	Kuhn, Tiffany	$ 500.00
		$ 500.00
06/22/2021	Templet, Ricky	$ 1,000.00
02/09/2022	Templet, Ricky	$ 1,000.00
		$ 2,000.00
07/14/2021	Denapolis-Bosarge, Sandy	$ 250.00
		$ 250.00

Affiant further said:

Debt Disclosures

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

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

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

Affiant further said:

Solicitation of Campaign Contribution Disclosures

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

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

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

Affiant further said: RCLC does not keep records of solicitations.

Subcontractor Disclosures

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

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

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

Affiant further said:

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

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

RICHARD C. LAMBERT CONSULTANTS, LLC SUBCONSULTANTS

SURVEY SERVICES

BFM CORPORATION, LLC

15 VETERANS BOULEVARD

KENNER LA 70062

GEOTECHNICAL SERVICES

GULF SOUTH ENGINEERING AND TESTING, INC.

15 VETERANS BOULEVARD

KENNER, LA 70062

RCL
CONSULTANTS, LLC
Planning
Engineering
Construction Management

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

Signature of Affiant

Richard C. Lambert
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 23rd DAY OF March, 2022

Notary Public

John C. Henry
Printed Name of Notary

18948
Notary/Bar Roll Number

My commission expires upon death.

JOHN C. HENRY
NOTARY PUBLIC
St. Tammany, State of Louisiana
LSBA 18948
Commission is issued for Life.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Drainage Projects

SOQ **22-011** | Resolution No. **138811**

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 <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>24</u> *(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:

- *Bissonet Plaza Drainage Improvements (Phase 1, Elmwood Parkway and Craig Avenue), Metairie, Jefferson Parish, LA*
- *Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA*
- *Orange Lane Drainage Pump Station Project (Drainage Mapping), Grand Isle, Jefferson Parish, LA*
- *Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA*
- *West Bank Expressway, Phase I Drainage Map, from Peters Road to Manhattan Boulevard, Jefferson Parish, LA*
- *West Bank Subsurface Drainage Improvement Project, Phase II, Bellemeade Boulevard to the Violet Canal Discharge, Jefferson Parish, LA*
- *Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA*
- *Coventry Drainage Pump Stations, Jefferson Parish, LA*
- *Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA*
- *Mounes Subsurface Drainage – Phase I, Jefferson Parish, LA*
- *Jack & Bores Survey (Drainage Project), Waggaman, Jefferson Parish, LA*
- *Oakwood Terrytown Drainage Improvements (HMGP) (Carol Sue Drainage Improvements), Jefferson Parish, LA*
- *Drainage Improvements, Metairie Lawn to Labarre Drive, Jefferson Parish, LA*
- *Mary Ridge Court, Jefferson Parish, LA*
- *Bannerwood Drainage Improvements (Mt. Laurel Bridge & Oakwood Canal), Jefferson Parish, LA*
- *Orleans Village Subdivision Drainage Improvements, Jefferson Parish, LA*
- *Westgate Subdivision Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Kawanee Drive Drainage Improvements, Jefferson Parish, LA*
- *Pailet – Maplewood Drainage Improvements, Jefferson Parish, LA*
- *Hoey's Canal Drainage Improvements (Deckbar Ave to Labarre Rd), Jefferson Parish, LA*
- *25th Street & Adjacent Canal, Gretna, Jefferson Parish, LA*
- *Mason Ditch Drainage Improvements, Jefferson Parish, LA*
- *Breaux Ditch Improvements, East Ames Boulevard – Leo Kenner Parkway, Jefferson Parish, LA*
- *Drainage Improvements to the Canal No. 11 Culvert Crossing West of Duncan Canal, Jefferson Parish, LA*
- *Mazoue Ditch Drainage Improvements (Rose Crest Lane to Darby Lane), Jefferson Parish, LA*
- *Ames Boulevard Drainage Pump Station Warehouse, Jefferson Parish, LA*
- *Improvements to Bayou Segnette Drainage Pump Station No. 1, Jefferson Parish, LA*
- *Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA*
- *Westwego Drainage Pump Station No. 1, Jefferson Parish, LA*
- *Parish Line Pump Station No. 5, Kenner, Jefferson Parish, LA*
- *Hero Pump Station, Harvey, Jefferson Parish, LA*
- *Fulton Street Pump Station, Jefferson Parish, LA*
- *Westwego Drainage Pump Station 1, Westwego, Jefferson Parish, LA*
- *Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA*
- *Taft Park Drainage Pump Station, Jefferson Parish, LA*
- *Drainage Pump Station, Veterans North & South, Right-of-Way, 17th Street Canal, Jefferson Parish, LA*
- *Drainage Pump Station, West Esplanade and 17th Street Canals, Jefferson Parish, LA*
- *Bayou Segnette Fronting Protection/New Pump Station, Westwego, Jefferson Parish, LA*
- *Morton & Ingrid Pump Station, 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)

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

Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points. ($7,980 (fee); 2020)

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

Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA. BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (R/W) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. ($18,350 (fee); 2020)

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

Holly Drive Drainage Project, Lewisburg Estates Subdivision, Mandeville, St. Tammany Parish, LA. BFM provided boundary with topographic surveying of the project site (multiple lots) in the Lewisburg Estates Subdivision for the drainage project. ($13,392 (fee); 2019)

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.

West Bank Subsurface Drainage Improvement Project, Phase II, Bellemeade Boulevard to the Violet Canal Discharge, Jefferson Parish, LA. BFM provided topographic surveying for the project, which encompassed Bellemeade Boulevard from Briargrove to Brookmeade and Brookmeade from Bellemeade to the Violet Canal Discharge. ($16,108 (fee); 2010)

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

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

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

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

Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points. ($7,980 (fee); 2020)

Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA. BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (R/W) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. ($18,350 (fee); 2020)

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

Louisiana Statewide Flood Control Program (Package 1 & 2 Control and Package 3), City of Kenner, LA. BFM provided topographic surveying services for the project. Typical surveying elements included records research, establishment of baseline, Temporary Benchmarks, and shooting of elevations. BFM provided surveying for the location of improvements and utilities (sewer, water, drainage, storm, etc.), as well as natural elements in the project area. The Louisiana Statewide Flood Control Program uses state funds in the construction of flood control infrastructure to reduce (or eliminate) the incidence of flooding or damages in a specific area. ($17,688 (fee); 2016)

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).

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points. ($7,980 (fee); 2020)

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

Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA. BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (R/W) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. ($18,350 (fee); 2020)

West Causeway Approach Bike Path Drainage Study, City of Mandeville, St. Tammany Parish, LA. BFM executed a Route Topographic Survey for the project area. Scope included establishing a baseline parallel to the street; establishing temporary benchmarks (TBMs) along the project baseline; locating existing improvements with the designated Limits of Survey; locating existing above-ground and underground utilities. BFM also researched available location data from controlling agencies. Cross sections were taken on a 100 ft. grid within the Limits of Survey. BFM also provided surveying services to provide a Drainage Area Map for the project. The scope of services included establishing Vertical Control and the location of existing drainage structures. ($16,720 (fee); 2018)

Revere Road W-3 Drainage Survey, St. Tammany Parish, LA. BFM provided surveying services to the St. Tammany Parish Government (Survey Services Contract No. 16-104) for this Drainage Survey project on Revere Road. The scope of services included a boundary survey with notation of improvements. Extensive records research was a precursor to the execution of the field survey. BFM also provided cross sections of Bayou De Zaire and of the drainage feature with notation of natural ground features, improvements, encroachments, and easements/servitudes. Upon completion, BFM provided AutoCAD maps and parcel property descriptions to the Parish. ($18,960 (fee); 2020)

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.

Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA. BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (R/W) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. ($18,350 (fee); 2020)

Drainage Improvements, Metairie Lawn to Labarre Drive, Jefferson Parish, LA. BFM provided Surveying Services for this project located in Bayou Metairie Park. ($9,740 (fee); 2016)

Mounes Subsurface Drainage – Phase I, Jefferson Parish, LA. BFM provided topographic surveying services for Phase I of the project, which extended from Dickory to Elmwood Park Boulevard). ($26,240 (fee); 2017)

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.

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

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

Coventry Drainage Pump Stations, Jefferson Parish, LA. BFM provided a Route Topographic Survey with Hydrographic Survey for the project. The limits of survey extended from r/w to r/w along Jefferson Highway. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). Drone Surveying was a key element of the project. The hydrographic survey extended 500 feet into the river from the water's edge. ($89,780 (fee); 2020)

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.

West Bank Subsurface Drainage Improvement Project, Phase II, Bellemeade Boulevard to the Violet Canal Discharge, Jefferson Parish, LA. BFM provided topographic surveying for the project, which encompassed Bellemeade Boulevard from Briargrove to Brookmeade and Brookmeade from Bellemeade to the Violet Canal Discharge. ($16,108 (fee); 2010)

Sena Drive Subsurface Drainage Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the Sena Drive Subsurface Drainage Improvements project, which extended along Sena Drive from West Esplanade Avenue (Canal No. 2) to Nero Street. ($13,364 (fee); 2010)

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

Woodland West Subdivision Drainage Improvements, Marrero, LA. BFM provided a topographic survey for the design of drainage improvement. ($8,900 (fee); 2006)

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:

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

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

Drainage Improvements, Metairie Lawn to Labarre Drive, Jefferson Parish, LA. BFM provided Surveying Services for this project located in Bayou Metairie Park. ($9,740 (fee); 2016)

25th Street & Adjacent Canal, Gretna, Jefferson Parish, LA. BFM provided cross section surveying and a limited drainage survey for the project. ($2,925 (fee); 2017)

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

Coventry Drainage Pump Stations, Jefferson Parish, LA. BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from r/w to r/w along Jefferson Highway. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). Drone Surveying was a key element of the project. The hydrographic survey extended 500 feet into the river from the water's edge. ($89,780 (fee); 2020)

Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA. BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (R/W) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. ($18,350 (fee); 2020)

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.

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

Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points. ($7,980 (fee); 2020)

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:

Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA. BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (R/W) of Causeway Boulevard to easterly apparent ROW of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. ($18,350 (fee); 2020)

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

Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points. ($7,980 (fee); 2020)

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.

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

Holly Drive Drainage Project, Lewisburg Estates Subdivision, Mandeville, St. Tammany Parish, LA. BFM provided boundary with topographic surveying of the project site (multiple lots) in the Lewisburg Estates Subdivision for the drainage project. ($13,392 (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:

West Bank Subsurface Drainage Improvement Project, Phase II, Bellemeade Boulevard to the Violet Canal Discharge, Jefferson Parish, LA. BFM provided topographic surveying for the project, which encompassed Bellemeade Boulevard from Briargrove to Brookmeade and Brookmeade from Bellemeade to the Violet Canal Discharge. ($16,108 (fee); 2010)

Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points. ($7,980 (fee); 2020)

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

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:	
Orange Lane Drainage Pump Station Project (Drainage Mapping), Grand Isle, Jefferson Parish, Louisiana **AIMS Group, Inc.** 4421 Zenith Street Metairie LA 70001 **Lowell Pitré, P.E.**, 504-887-7045 ljp@aimsgroupinc.com	The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue. The scope includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020 August	N/A	$32,280 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, Louisiana **Hardesty & Hanover** 3850 N Causeway Blvd Ste 1850 Metairie LA 70002 **Babak Naghavi**, 504-962-9212 bnaghavi@hardestyhanover.com	BFM Corporation provided extensive surveying services for a topographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope, as was Subsurface Utility Engineering (SUE).	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020 September	N/A	$478,744 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, Louisiana **GEC, Inc.** 3445 N Causeway Blvd Ste 401 Metairie LA 70002-3779 **Jerome Lohmann**, 504-207-6926 jlohmann@gecinc.com	BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (R/W) of Causeway Boulevard to easterly apparent R/W of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020 May	N/A	$18,350 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Bissonet Plaza Drainage Improvements (Phase 1, Elmwood Parkway and Craig Avenue), Metairie, Jefferson Parish, Louisiana **Meyer Engineers Ltd.** 4937 Hearst St. Ste. B Metairie LA 70001 **Ana Theriot, P.E.**, 504-885-9892	BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020 Marc	h	$7,980 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Coventry Drainage Pump Stations, Jefferson Parish, Louisiana **ECM Consultants, Inc.** 1301 Clearview Pkwy Ste 200 Metairie LA 70001 **Sunina Shrestha**, 504-885-4080 SShrestha@ecmconsultants.com	BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from r/w to r/w along Jefferson Highway. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). Drone Surveying was a key element of the project. The hydrographic survey extended 500 feet into the river from the water's edge.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020	N/A	$89,780 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, Louisiana **Hartman Engineering, Inc.** 16563 Airline Hwy Ste A&B Prairieville LA 70769 **Jared Monceaux, P.E.**, 225-313-4617 jmonceaux@harteng.com	BFM executed a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area (Allo Street) extended from 4th Street to 6th Street.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2019 April	N/A	$12,855 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, Louisiana **APTIM** 2424 Edenborn Avenue Suite 450 Metairie LA 70001 **Gene S. Gillen, P.E.**, 504-832-4881 info@aptim.com	BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2017 December	N/A	$23,540 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Waggaman Canal Relocation Survey (Jefferson Parish Landfill Sites), Jefferson Parish, Louisiana **CDMSmith** 1515 Poydras St Ste 1000 New Orleans LA 70112 **Jenny Bywater, P.E.**, 504-799-1168 bywaterje@cdmsmith.com	BFM Corporation was contracted to provide boundary, right-of-way, and topographic surveying services for the project site. Location of improvements were plotted within the designated limits of the survey; this included buildings, fences, light standards, traffic control devices, signage, structures, pavement, and other topographic features. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2016 February	N/A	$19,940 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Mounes Subsurface Drainage – Phase I, Jefferson Parish, Louisiana **CB&I** 2424 Edenborn Avenue Suite 450 Metairie LA 70001 **Gene S. Gillen, P.E.**, 504-832-4881 gene.gillen@cbi.com	BFM provided all requested topographic surveying services for Phase I of the Mounes Subsurface Drainage project, which extended from Dickory to Elmwood Park Boulevard).	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2017 April	N/A	$26,240 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
North Arnoult Drainage Pump Station Improvements, Jefferson Parish, Louisiana **Hartman Engineering, Inc.** 527 W. Esplanade Ave Suite 300 Kenner LA 70065 **Rolland A. Mura**, 504-466-5667	BFM's project services included both boundary and topographic surveying of the project site.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2019 May	N/A	$6,870 (fee)

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	**Defendant:**	
1. *BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.*		
2.		
3.		
4.		

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

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

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

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:	
Bissonet Plaza Drainage Improvements (Phase 1, Elmwood Parkway and Craig Avenue), Metairie, Jefferson Parish, Louisiana **Meyer Engineers Ltd.** 4937 Hearst St. Ste. B Metairie LA 70001 **Ana Theriot, P.E.**, 504-885-9892	BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020 March	N/A	$7,980 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, Louisiana **Hardesty & Hanover** 3850 N Causeway Blvd Ste 1850 Metairie LA 70002 **Babak Naghavi**, 504-962-9212 bnaghavi@hardestyhanover.com	BFM Corporation provided extensive surveying services for a topographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope, as was Subsurface Utility Engineering (SUE).	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020 September	N/A	$478,744 (fee)

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 Viva and Leica Captivate Data Collectors, as well as Leica GPS Smart Antennas. Each GPS unit is linked to the Leica SmartNet Network, giving each crew the ability for Real Time Kinematic Positioning (RTK), derived from the Global Navigation Satellite System (GNSS). Furthermore, each crew is outfitted with Leica TS series robotic total stations, simplifying and expediting projects. BFM can also use in-house drones and 3D scanners to further analyze sites and projects. BFM's crews are trained to use this equipment to its full potential to maximize accuracy and efficiency in the field.

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

BFM's **3D modeling capabilities** 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:** **March 10, 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:

Routine Engineering Services for Drainage Projects

SOQ **22-011** | Resolution No. **138895**

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

**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*

32* TOTAL

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

Mr. Poché is the Vice President, co-founder, and partner in Gulf South. 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.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA. Geotechnical investigation for drainage improvements on S. Jamie Boulevard in Avondale, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet, lab testing, and engineering analyses including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction procedures and recommendations. ($7,000 (fee); 2018)

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

Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA. Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations. ($8,500 (fee); 2017)

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

David Dr. Drainage Improvements (W. Esplanade Avenue to Bruin Drive), Jefferson Parish, LA. Geotechnical investigation for the reconstruction of David Drive and the construction of drainage improvements (approx. 3000 ft.) along David Drive from W. Esplanade Avenue to Bruin Drive in Metairie. Gulf South's scope includes drilling four soil borings each to a depth of 20 feet, lab testing, and geotechnical engineering analysis including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, pavement design recommendations, and general construction recommendations. ($7,500 (fee); 2015)

Drainage Improvement to North Sibley Drive at West Napoleon Avenue, Metairie, Jefferson Parish, LA. Gulf South executed a geotechnical investigation for new below grade wet well, approx. 15 - 20 feet deep. Drilled one boring to 80 feet at site and provide laboratory testing and geotechnical engineering analyses (soil bearing values, bedding, and backfill, pile capacities, settlement, construction recommendations, etc.). ($4,500 (fee); 2012)

Westgate Drainage Improvements, Metairie, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction of various drainage improvements. Scope included earthwork testing & inspection and concrete testing & inspection. ($8,000 (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:

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

Verrett Canal Slope Instability Project, West Bank Drainage Department, Harvey, Jefferson Parish, LA. Geotechnical engineering services for the potential solution (i.e. retaining wall, etc.) for the surface movement at the top slope of Verrett Canal located at 89 Natchez Trace in Harvey, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. ($5,000 (fee); 2020)

Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA. Geotechnical investigation for drainage improvements on S. Jamie Boulevard in Avondale, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet, lab testing, and engineering analyses including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction procedures and recommendations. ($7,000 (fee); 2018)

Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA. Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations. ($8,500 (fee); 2017)

Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA. Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations. ($8,500 (fee); 2017)

France Road - North Paving and Drainage Improvements, WO 1-168, Port of New Orleans, LA. Geotechnical investigation for proposed pavement overlay/reconstruction of 1.5 miles of France Road in New Orleans. Scope includes drilling 16 soil borings each to a depth of 4 feet below the existing pavement surface, lab testing, and engineering analyses including flexible pavement design recommendation (overlay & reconstruction) and general construction procedures and recommendations. ($14,250 (fee); 2016)

Taft Park Drainage Improvements, Jefferson Parish, LA. Perform inspection and testing during construction of various drainage improvements at Taft Park. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. ($25,000 (fee); 2015)

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:

Mr. Binder has direct experience with field and laboratory testing services, and is NICET certified in multiple disciplines, including Construction Materials Testing Soils, Geotechnical Engineering Technologies Exploration, and Geotechnical Engineering Technologies Laboratory (Level I). Mr. Binder has HAZMAT Awareness and Operations Training.

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

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.

Taft Park Drainage Improvements, Jefferson Parish, LA. Perform inspection and testing during construction of various drainage improvements at Taft Park. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. ($25,000 (fee); 2015)

Citrus Road and Greg Court Subsurface Drainage Improvements, 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. ($20,000 (fee); 2019)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

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

Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA. Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations. ($8,500 (fee); 2017)

France Road - North Paving and Drainage Improvements, WO 1-168, Port of New Orleans, LA. Geotechnical investigation for proposed pavement overlay/reconstruction of 1.5 miles of roadway (France Rd.) in New Orleans, LA. Gulf South's scope includes drilling 16 soil borings each to a depth of 4 feet below the existing pavement surface, lab testing, and engineering analyses including flexible pavement design recommendation (overlay & reconstruction) and general construction procedures and recommendations. ($14,250 (fee); 2016)

Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. ($10,000 (fee); 2019)

Parish Line Drainage Pump Station Improvements – Phase I, City of Kenner, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction of a new pump station in Jefferson Parish, Louisiana. Scope of services consisted of vibration monitoring, timber pile inspection at the site and during installation, performance of a pile load test, earthwork, and concrete testing & inspection. ($10,000 (fee); 2018)

Westgate Drainage Improvements, Metairie, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction of various drainage improvements. Scope included earthwork testing & inspection and concrete testing & inspection. ($8,000 (fee); 2018)

Drainage Upgrades and Green Infrastructure Improvements, Hagan Avenue & Lafitte Avenue, City of New Orleans, LA. Geotechnical investigation for new drainage upgrades and green infrastructure improvements between Hagan & Lafitte Avenues (to Orleans Avenue and Broad Street) in New Orleans, LA. Gulf South's scope includes drilling 13 soil borings with five borings to a depth of 30 feet and eight to a depth of 20 feet below existing paved/ground surface, laboratory testing, and engineering analyses for net allowable soil bearing values, estimates of settlement, bedding and backfill recommendations, lateral earth pressures, rigid and/or flexible pavement design recommendations, infiltration/permeability rates of near-surface soils, and general construction procedures and recommendations. Phase 2 includes piezometer well installations. ($21,799 (fee); 2016)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Graduate Geotechnical Engineer/Engineering Intern

Name of Firm with which associated:

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*

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Sarah E. Lockwood (continued)

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

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)

Soniat Canal Stabilization, Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of the stabilization of the east bank of Soniat Canal for approximately 1,700 linear feet in Harahan, LA. Gulf South's scope includes drilling three undisturbed soil borings to depths of 50 feet below the ground surface, laboratory testing, engineering analyses (slope stability analysis) and general construction procedures and recommendations. ($10,000 (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)

Upper Barataria Risk Reduction Project, Lafourche Basin Levee District (LBLD), Lafourche Parish, LA. Geotechnical investigation for a flood protection project in Lafourche Parish, LA. Project consists of a new earthen levee (totaling approx. 8.8 to 9 miles or 47,000 lf) and control structure. Gulf South's scope includes drilling three undisturbed soil borings to depths of 60 feet (1 boring in canal and 1 boring on land), 200 feet (1 boring in shallow water) and performing five CPT probes to 60 feet below apparent mud line, lab testing (with 1-D Consoles), and engineering analyses including site/soil characterization, slope stability analyses, unbalance forces for structures, allowable pile load capacities, estimates of settlement, and general construction recommendations. ($100,000 (fee); 2020)

Proposed Roads and Ponds, Cane Ridge Subdivision, Addis, West Baton Rouge Parish, LA. Geotechnical engineering services for the construction of a new paved roads and a pond area for a future residential development off S. Vaughan Dr. in Addis, LA. Gulf South's scope includes drilling four undisturbed soil borings (depths of 8 feet & 20 feet below ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. ($4,000 (fee); 2019)

New Orleans Streets Program (RR 001), Audubon Group A, City of New Orleans, LA. Gulf South provided construction materials testing and inspection during construction of RR 001, Audubon Group A project. Scope includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. ($49,803 (fee); ongoing)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Boutwell
Construction Materials Testing (CMT) Supervisor

Project Assignment:

Construction Materials Testing (CMT) Supervisor

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); 13 years total (2009)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

- *ACI Concrete Field Testing – Grade I*
- *APNGA Nuclear Moisture/Density Gauge Training*
- *OSHA Safety Training – 8 hr.*

Mr. Boutwell serves as a CMT Supervisor in Gulf South's Kenner, LA office. As a CMT Supervisor, Mr. Boutwell is responsible for scheduling technicians, technical training, resolving technical and personnel issues, equipment maintenance, preparing proposals, reviewing reports, and client interaction. Mr. Boutwell's construction monitoring experience includes nuclear density testing, concrete testing and inspection, asphalt inspection, earthwork testing and inspection, driven pile inspection, vibration monitoring, augercast pile inspection, and drilled shaft inspection. Mr. Boutwell is proficient in the following laboratory tests: soil and concrete compressive strength, moisture content, grain size sieve, organic content, Proctor compaction, lime/soil and soil/cement % determinations, density tests, and Atterberg limits.

Mr. Boutwell has logged soil borings, performed pile load tests, floor flatness testing, anchor bolt pull out tests, obtained and secured samples from soil borings and borrow pits, and completed hand augers. Mr. Boutwell routinely operates Gulf South's pavement coring machines.

Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA. Project consisted of the construction of new below grade drainage features and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. ($7,000 (fee); 2016)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Boutwell (continued)

Westgate Drainage Improvements, Metairie, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction of various drainage improvements. Scope included earthwork testing & inspection and concrete testing & inspection. ($8,000 (fee); 2018)

Parish Line Drainage Pump Station Improvements – Phase I, City of Kenner, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction of a new pump station in Jefferson Parish, Louisiana. Scope of services consisted of vibration monitoring, timber pile inspection at the site and during installation, performance of a pile load test, earthwork, and concrete testing & inspection. ($10,000 (fee); 2018)

Citrus Road and Greg Court Subsurface Drainage Improvements, 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. ($20,000 (fee); 2019)

Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. ($10,000 (fee); 2019)

Idaho Drainage Improvements, City of Kenner, LA. Gulf South performed field and laboratory testing during construction of the project. Scope of work included soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. ($7,500 (fee); 2017)

N. Sibley Drainage Improvements (N. Sibley at W. Napoleon), Metairie, Jefferson Parish, LA. Gulf South provided the material testing and inspection during construction of the project. Services consisted of pile monitoring and inspection, density tests, and concrete testing and inspection. ($5,000 (fee); 2021)

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

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

St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA. Gulf South performed field and laboratory testing during the improvements of drainage at LA 3152 and LA 3139 (Phase 3C), including vibration monitoring. ($25,000 (fee); 2015)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Ross L. White
Soil Boring Driller

Project Assignment:

Soil Boring Driller

Name of Firm with which associated:

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

Years experience with this Firm:

4 years with this firm (2018); 13 years total (2009)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

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

Latigue Road Extension (Phase I; Live Oak Blvd. to Foundry Rd.), Jefferson Parish, LA. Geotechnical investigation for a new paved extension road (approx. 1,000 lf) between Live Oak Boulevard and Foundry Road in Jefferson Parish, LA. Gulf South's scope includes drilling undisturbed soil borings (three at 10 ft.), lab testing, and engineering analyses including flexible pavement design recommendations and general construction procedures & recommendations. ($7,000 (fee); 2018)

Roadway Rehabilitation and Drainage Improvements, McClellan Street (Area A), City of New Orleans, LA. Soil boring investigation for construction of a new roadway and drainage improvements at the Jackson Barracks at 6400 St. Claude Avenue in New Orleans, LA. Gulf South's scope includes drilling undisturbed soil borings (three to a depth of 15 ft), lab testing, and engineering analyses including flexible and/or rigid pavement design recommendations, allowable soil bearing values (below grade), bedding and backfill recommendations for piping, and general construction procedures and recommendations. ($3,000 (fee); 2019)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ross L. White (continued)

Fish Bayou Control Structure (Alligator Bayou Road), Ascension Parish, LA. Geotechnical investigation for new flood control structure across Alligator Bayou Road in Ascension Parish, LA. Gulf South's scope includes drilling three undisturbed soil borings ranging in depth from 6 to 60 feet, lab testing, and engineering analyses including allowable soil bearing values, allowable pile/shaft load capacities, estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations. ($6,000 (fee); 2018)

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

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

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

South Toledo Bend State Park Roadway, Culvert, and Erosion Repair, Toro, Sabine Parish, LA. Geotechnical engineering services for the reconstruction of existing roadways (Bald Eagle Road and Aquilla Road), below ground drainage, and embankment stability improvements at S. Toledo Bend State Park located south of Toro in Sabine Parish, LA. Gulf South's scope includes drilling 13 undisturbed soil borings (depths of 40 ft. & 6 ft. below the ground surface), two inclinometers, laboratory testing, engineering analyses and general construction procedures and recommendations. ($23,000 (fee); 2020)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Wyatt M. Jones
Field Supervisor; Drilling and Engineering Technician

Project Assignment:

Field Supervisor; Drilling and Engineering Technician

Name of Firm with which associated:

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

Years experience with this Firm:

2 year with this firm (2020); 5 years total (2017)

Education: Degree(s)/Year/Specialization:

Construction Management, Delgado College (ongoing)

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

- *Entergy PowerSafe*
- *OSHA Safety Training – 8 hr.*

Mr. Jones serves as a Field Engineer with Gulf South Engineering and Testing, providing drilling and engineering support services on a variety of projects. His experience includes soil boring logging, field and site reconnaissance, and soil & concrete material testing. Mr. Jones' project responsibilities have included overseeing drilling operations, planning, and coordination of field tasks. He has served as a client liaison, assembled boring layout plans, and supervised drill crews onsite while classifying testable soil samples.

In previous positions, Mr. Jones performed all duties of a CCRL accredited lab, including monitoring and coordinating calibrations for all lab and field equipment, performing various tests on concrete and soil specimens, recording and organizing test results. As a CCTV operator, he piloted a robotic operations system underground shooting video of sewer and utility lines; this included using sonar and GPS coordinates to pinpoint utility locations.

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)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Wyatt M. Jones (continued)

Ole Miss Sewer Force Main, City of Kenner, LA. 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 was 10-in in diameter, approximately 2,100 lf, and installed 10 to 15 feet deep via directional drilling. Gulf South's scope includes drilling four undisturbed soil borings to depths of 20 ft bgs, laboratory testing, engineering analyses and general construction procedures and recommendations. (Kenner PW-2020-2-SW) ($8,000 (fee); 2021)

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)

Roadway Reconstruction – North Carnation Street, City of Slidell, LA. Geotechnical engineering services for the reconstruction of a new roadway along N. Carnation Street in Slidell, LA. Gulf South's scope includes drilling three undisturbed soil borings to depths of 6 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. ($2,500 (fee); 2020)

Almonaster Street (N.E. Approach), Port of New Orleans, New Orleans, LA. Geotechnical engineering services for construction of a new NE approach to Almonaster Street in New Orleans, LA. Gulf South's scope includes drilling two auger borings to a depth of 10 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. ($4,900 (fee); 2020)

Geotechnical Investigation for a New Bulkhead, Beverly Industries, Chalmette, St. Bernard Parish, LA. The project consists of constructing a new bulkhead along the east descending bank of the Mississippi River at Beverly Industries' facility in Chalmette, LA. Gulf South's scope of services include drilling a single undisturbed soil boring (depth of 100 ft below existing ground surface), backfilled in accordance with Louisiana DOTD/DEQ requirements. Geotechnical laboratory testing includes strength tests, classification tests (Atterberg Limits and/or particle size), and other tests deemed necessary. Engineering review includes development of recommendations and analyses, including allowable shaft/pile load capacities, bulkhead sheet-pile wall design parameters, slope stability analyses, and general construction procedures and recommendations. ($7,500 (fee); 2021)

Bayou Gauche/Sunset Levee - New Roller Gate, Upper Barataria Risk Reduction Program Segment 2, St. Charles Parish, LA. Geotechnical investigation for construction of a new roller gate and T-wall structures within the UBRR flood protection/risk reduction system in St. Charles Parish, LA. Gulf South's scope includes drilling undisturbed soil borings (2 at 200 ft.), CPT probes (2 at 200 ft.), lab testing (including consolidation tests), and engineering analyses including site/soil characterization, global/local SSA for floodwalls, levee tie-ins, and floodgates, design levee lift stability, seepage analyses for sheetpile walls, settlement/downdrag analyses, unbalanced forces for structures, pile load capacities, pile foundation load-deflection relationship, estimates of settlement, ground improvement recommendations, and general construction procedures and recommendations. The borings and CPT were performed over water using barge-mounted equipment. ($110,880 (fee); 2020)

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

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, Louisiana **Jefferson Parish c/o Buchart Horn** 18163 E Petroleum Drive, Suite A Baton Rouge LA 70809 **Alan Krouse, P.E.,** 225-308-2009 akrouse@bucharthorn.com **Reda Youssef, P.E.** ryoussef@jeffparish.net	Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2017 May	N/A	$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Airline Park Boulevard Rehabilitation and Drainage Upgrade (West Napoleon to Camphor), Jefferson Parish, Louisiana **Jefferson Parish c/o PECC** 3702 Bienville Avenue, Suite C New Orleans LA 70119 **John Shires, P.E.**, 800-749-2810 jshires@pecla.com	Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor in Metairie, LA. Gulf South's scope of work included drilling four soil borings to depths of 15 and 50 feet, laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2015 February	N/A	$8,500 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **c/o Hatch Mott MacDonald** 650 Poydras Street, Suite 2025 New Orleans LA 70130 **Many Heymann, P.E.**, 504-799-0437 many.heymann@hatchmott.com	Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2015 October	N/A	$8,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Lake Cataouatche Pump Station, Avondale, Jefferson Parish, Louisiana **Jefferson Parish** 1221 Elmwood Park Blvd Ste 907 Jefferson LA 70123 **Mitch Theriot, P.E.,** 504-736-6742 mtheriot@jeffparish.net	Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2019 October	N/A	$12,500 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, Louisiana **Principal Engineering, Inc.** 1011 N Causeway Blvd Ste 19 Mandeville LA 70471 **André C. Monnot, P.E.,** 985-624-5001 andre@pi.aec.com	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 (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020 May	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:**	
David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, Louisiana **Jefferson Parish** **c/o Rahman & Associates, Inc.** 3645 Williams Blvd Ste 208 Kenner LA 70065 **Tafoor Hameed, P.E.,** 504-469-0022 tafoor@bellsouth.net	Geotechnical investigation for the reconstruction of David Drive and the construction of drainage improvements (approx. 3000 ft.) along David Drive from W. Esplanade Avenue to Bruin Drive in Metairie. Gulf South's scope includes drilling four soil borings each to a depth of 20 feet, lab testing, and geotechnical engineering analysis including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, pavement design recommendations, and general construction recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2015 December	N/A	$7,500 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, Louisiana **Jefferson Parish** **c/o Phoenix Global Construction** 2901 Independence St Ste 103 Metairie LA 70006 **Jack Lo,** 504-883-9021 phoenixglobal@bellsouth.net	Geotechnical investigation for drainage improvements on S. Jamie Boulevard in Avondale, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet, lab testing, and engineering analyses including allowable soil bearing values, bedding and backfill recommendations, 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 January	N/A	$7,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, Louisiana **ECM Consultants, Inc.** 1201 Clearview Parkway Suite 200 Metairie LA 70001 **Sunina Shrestha, P.E.,** 504-885-4080 sshrestha@ecmconsultants.com	Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing levee to the protected side.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2021 September	N/A	$35,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Verrett Canal Slope Instability Project, West Bank Drainage Department, Harvey, Jefferson Parish, Louisiana **Jefferson Parish** **Engineering Department** 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123 **Clinton Hotard,** 504-736-6500 chotard@jeffparish.net	Geotechnical engineering services for the potential solution (i.e. retaining wall, etc.) for the surface movement at the top slope of Verrett Canal located at 89 Natchez Trace in Harvey, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 60 ft. bgs), 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 July	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:

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

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:

- *Improvements to Sewer Lift Station No. 48-3, 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*
- *Sewer Lift Station at Mississippi Avenue & 21st Street, 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*
- *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*
- *New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA*
- *New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA*
- *Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA*

TEC Professional Services Questionnaire

N. continued.

- *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*
- *New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA*
- *Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA*
- *New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA*
- *St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA*
- *Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA*
- *Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA*
- *Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA*
- *Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA*
- *Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, LA*
- *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*
- *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*
- *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:** March 10, 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