Jefferson Parish Professional Services Questionnaire
Resolution No. 144319
SOQ 24-021
Routine Engineering Services for Streets Projects
July 16, 2024

MSMM
ENGINEERING, LLC

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Streets Projects –
SOQ NO. 24-021; Resolution No. 144319

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

MSMM ENGINEERING, LLC

4508 Clearview Parkway, Suite C
Metairie, Louisiana 70006

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:

Manish Mardia, P.E., President
mmardia@msmmeng.com
(504) 559-1897

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.

Manish Mardia, P.E., President
mmardia@msmmeng.com
(504) 559-1897

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

4	Administrative	1	Estimators	1	Specification Writers
1	Architects (Licensed)		Geologists	2	Structural Engineers
	Chemical Engineers		Geotechnical Engineers		Graduate Engineers
7	Civil Engineers		Interior Designers	6	Project Managers
3	Construction Inspectors	1	Landscape Architects		Clerical
	Ecologists		Land Surveyor		Grant/Funding Specialist
1	Electrical Engineers	1	Mechanical Engineers		Sanitary Engineers
	Engineer Intern	2	Environmental Engineers	1	Administrative/Accounting
	Professional Land Surveyors	3	CAD Draftsman	34	**TOTAL**
	Environmental Scientist		Transportation Engineer		

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 area of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1. Not Applicable

2.

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

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

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

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

25

TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Mark Wingate, P.E. Executive Vice President
Project Assignment:
Program Manager
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
1 (2024)
Education: Degree(s)/Year/Specialization:
BS in Civil Engineering, 1989, University of New Orleans
Active registration: Year first registered/discipline:
Year First Registered: 2001 Discipline: Civil State: Louisiana License No.: 29419
Other experiences and qualifications relevant to the proposed Project:

Mark R. Wingate, P.E., serves as the Executive Vice President at MSMM Engineering, LLC. Mr. Wingate brings over three decades of USACE civil works experience to MSMM, comprising an impressive history in executive-level management experience for delivering flood risk management, hurricane and storm damage risk reduction, navigation, and environmental and coastal restoration/sustainability projects. He served for nearly 31-years with USACE, New Orleans District, which culminated with serving as the Lead Civilian (Deputy District Engineer for Programs and Project Management (DPM)) for nearly 9-years at the New Orleans District. Along the way, he also served in an acting capacity as the MS Valley Division Regional Business Director (SES position), Deputy Advisor on Infrastructure to the Executive Office of the President (EOP), and Chief of the Projects and Restoration Branch in the New Orleans District. Mr. Wingate received the inaugural R. King Milling Distinguished Coastal Service Award from the State of LA in December 2023.

USACE – Delivery of the 14.6B Hurricane and Storm Risk Reduction System (HSDRRS)

As DPM for USACE, New Orleans (MVN), Mr. Wingate was responsible for the completion and the delivery of the ~$14.6B Greater New Orleans Hurricane and Storm Damage Risk Reduction System (HSDRRS), a 130-mile-long perimeter system of levees, flood walls, pump stations, navigation gates, and other structures as well as environmental mitigation to reduce flood risk to SE LA. Coordinated closely with the State of LA, CODEL, landowners, levee districts, NGOs, and other key stakeholders to deliver this USACE-World Class System. Coordinated with MVD and Higher Authority on project issues and associated resolutions.

Role: DPM/Program Manager

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Mark Wingate, P.E.
Executive Vice President

USACE – New Orleans Branch Chief – Project Management

During his time at USACE, Mr. Wingate was responsible for delivering USACE Civil Works projects in the areas of Flood Risk Management, Ecosystem Restoration, and Navigation. Areas of responsibility included project delivery under RESTORE Act and Lower MS River Diversions, LA Coastal Area (LCA) Ecosystem Restoration, Mississippi River and Tributaries (MR&T), Continuing Authorities Program (CAP), Flood Plain Management Services (FPMS) and Planning Assistance to States (PAS). Coordinated closely with USACE HQ and Division, State and Federal Agencies, NGOs, Parishes, Municipalities, Tribal Nations, and project Stakeholders throughout Southern LA.

Role: Program Manager/Branch Chief

USACE - West Shore Lake Pontchartrain (WSLP) – FRM Construction Project

As MVN DPM, Mr. Mingate oversaw and ensured the advancement of the USACE-WSLP project for St. Charles and St. John Parishes to deliver an 18-mile risk reduction system including earthen levees, T-walls, pump stations and control structures iaw with the feasibility and Chief's report. Also drove advancement of small-scale non-structural solutions including various alignments of ring levees with pumps, access points, etc. for St. James Parish. Successfully secured unplanned funds and initiated a USACE General Reevaluation Report (GRR) to consider resiliency features.

Role: DPM/Program Manager

TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Manish Mardia, P.E. President
Project Assignment:
Quality Control Manager
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
13 (2011)
Education: Degree(s)/Year/Specialization:
M.S. in Civil Engineering, 1994, Louisiana State University B.S. in Civil Engineering, 1990, University of Jodhpur
Active registration: Year first registered/discipline:
Year First Registered: 1999 Discipline: Environmental State: Louisiana License No.: 28482 *Also registered in Mississippi (18522)*
Other experiences and qualifications relevant to the proposed Project:

Manish Mardia is a registered professional civil and environmental engineer and is the President of MSMM Engineering, LLC. He is an experienced engineering manager and principal with over thirty years of experience in managing and designing public works projects. His experience includes environmental assessments, NEPA documentation, planning, design, and construction management for roadway, water, wastewater, and solid waste systems for industry and government, design, construction and management of industrial and municipal wastewater treatment facilities, landfill gas collection and control systems, study and management of infiltration and inflow of stormwater into public wastewater collection systems.

Mr. Mardia has worked *on more than* ***200 projects for various departments of Jefferson Parish.*** These projects were successfully completed on time and schedule. Project types include Streets and Roadway design; water line replacement design, Environmental Permitting; Hydraulic Modeling; Infiltration and Inflow; Water Treatment and Collection; Wastewater Collection, Distribution, and Treatment; and Landfill Design and Permitting.

For a representation of projects completed by Mr. Mardia, please see below:

Little Woods Group A (RR100) Neighborhood Design, New Orleans, LA
MSMM was tasked by the City of New Orleans Department of Public Works to provide roadway design for the Little Woods neighborhood. Design included patch, mill, overlay, full depth reconstruction inclusive of new drainage infrastructure, establishment handicap ramps, curbs, and driveway and manhole adjustments. Design

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Manish Mardia, P.E.
President

Role: Mr. Mardia oversaw the original evaluation of the neighborhood and development of damages for the Project Worksheet. He also worked with the City to identify additional damages and get those design features added to the project.

Aubry Street CDBG 10-Year Storm Drainage Improvements and Roadway Construction, New Orleans, LA
MSMM completed design of drainage and concrete full depth reconstruction of Aubry Street in the Gentilly neighborhood. The (4) block project included drainage improvements for a 10-year storm, the use of permeable pavement for sidewalks, and new utilities for the entire reach. MSMM also performed construction management and resident inspection. Role: Mr. Mardia worked with DPW and S&WB to develop the cost estimate for the project and coordinate meetings with the neighborhood association. He also developed the construction schedule and reviewed the hydraulic modeling work.

Oak Street Reconstruction, New Orleans, LA
This project involved partial removal of existing roadway, design of new asphalt pavement with new curbs and gutters, base, geotextile and geogrid, cold mill existing asphalt over streetcar tracks, installation and replacement of sanitary sewer lines, waterlines and storm drain lines, design of driveways, sidewalks and handicap ramps, preparation of construction documents, construction management and resident inspection. Role: Mr. Mardia provided the design oversight, served as the liaison between parties, and provided the subsurface utility design and environmental permitting.

Woodlake Drainage Pump Station with Green Infrastructure Design, Kenner, LA
The existing drainage system at Woodland Estates and Seton Park consisted of an enclosed gravity storm sewer system that outlet at various locations in the canals. This drainage system was creating a backflow water condition, causing repeated flooding in the area. MSMM completed a drainage evaluation report that evaluated options for removing backflow conditions in the area.
MSMM is currently in the process of designing a 120 CFS pump station located in Seton Park as well as a below ground retention feature within Seton Park to capture peak flows. The retention area within the park will consist of a below ground HDPE piping network covering a roughly 75x300 ft. area fed by an overflow junction box. The pump station will be fed from a 60” drain pipe on St. Elizabeth Drive. The two 60” diameter pipes crossing Platt Street and Joe Yenni Blvd to discharge into Canal 7 and 17 will be interconnected to feed the intake of the pump station. Both 60” pipes will be fitted with flapper type gates so that low flows or flows exceeding the pump station capacity could bypass into the canal. The pump station will utilize three pumps and a single 48” force main to discharge the storm water over the West Return Wall. The force main will be approximately 1,200 linear feet and discharge the storm water over the West Return Canal Levee Wall and into the West Return Canal (part of the Lake Pontchartrain drainage system).

Role: Mr. Mardia is providing QA/QC during the internal and USACE review process.

TEC Professional Services Questionnaire

KEY PERSON:
Name & Title:
Jim Wilson, P.E., LEED® AP Vice-President
Project Assignment:
Civil Engineer/Engineering Manager
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
10 (2014)
Education: Degree(s)/Year/Specialization:
B.S. in Civil Engineering, 1988, Michigan Technological University
Active registration: Year first registered/discipline:
Year First Registered: 1993 Discipline: Civil State: Louisiana License No.: 35456 *Also registered in Michigan (38800), Texas (128376), and Florida (85114)*
Other experiences and qualifications relevant to the proposed Project:

Mr. Wilson is a senior civil/drainage engineer with over 25 years of experience in the public sector, successfully designing and managing drainage, sewerage, roadway, waterlines, and site development projects in multiple jurisdictions of Louisiana and Michigan. Mr. Wilson is the civil engineering manager at MSMM, where he is responsible for the direct design and oversight of civil design, including water line design and water meter replacement design across South Louisiana.

Nicolle Boulevard Resurfacing (Lapalco Boulevard to Jamie Boulevard), Avondale, LA

MSMM was awarded full engineering design services for the mill and overlay of Nicolle Blvd. from Lapalco Blvd. to East of Pat Drive. MSMM is the sole entity to assess and design this important roadway construction and design project. The reconstruction of Nicolle Blvd. included paving over potholes and inconsistencies, as well as replacing the roadway so it transitions smoothly onto the Churchill Parkway, into Technology Park. There are two parts to this project; the first part being the mill and overlay of Nicolle Blvd, which included a Mill of 1.5 inches upwards on a .025ft/ft slope, a 2 to 3 lane transition which measured 660ft, and the second part was the partial or full replacement of the segment immediately east of Pat Drive, which includes the identification of base failure and material replacement, as well as the complete replacement of handicap ramps and previous panels. MSMM performed 100% of the design services for the project, including preparation of detailed construction plans with record drawings pertaining to construction completed by our engineers in CAD. MSMM also provided the cost estimates to outline items of work and unit prices, and we provided construction management services.

Role: Mr. Wilson is the engineer of record for the project. He also provided the Construction Administration and coordination with another adjacent Jefferson Parish project.

KEY PERSON:

Name & Title:

Jim Wilson, P.E., LEED® AP

Vice-President

Lincoln Manor Subdivision Drainage Improvements, Kenner, LA

The City of Kenner has recently contracted with MSMM for the necessary drainage improvements for the Lincoln Manor Subdivision in Kenner, LA. Design of new drainage outfalls at Canal No, 13 for Tifton St., Ohio St., and Utah St. are included in the design package, as well as the inclusion of the full restoration of Dawson Street. The improvements for both phases of the project include upsizing the drainage pipes from 15" to 24", adding new drainage structures, and removing and replacing existing roadways, driveways, and sidewalks as means to upgrade the drainage features.

MSMM's scope includes geotechnical, engineering design, construction bidding, resident inspection, and construction administration for this project. As the prime, MSMM is providing full engineering design which will include preliminary phase, design phase, bidding phase, and construction phase for specification and drawing productions.

To date, the first phase of the project has been constructed and MSMM was responsible for all resident inspection and construction administration services. This includes reviewing and addressing the project schedule, pay applicants, RFIs, material submittals, and progress meetings.

The second phase of the project's design is at 100% Final Plans and awaits Bid & Award date from the City of Kenner.

Role: Mr. Wilson is the engineer of record for all phases of the Lincoln Manor project.

Little Woods Group A (RR100) Neighborhood Design, New Orleans, LA

MSMM was tasked by the CNO DPW to provide roadway design and construction administration services for 305 blocks (~6 square miles) of the Little Woods neighborhood. Design included patch, mill, overlay, full depth reconstruction, ADA accessibility, new drainage infrastructure, establishment handicap ramps, curbs, and driveway and manhole adjustments. The project is in the closeout phase of construction.

Role: Mr. Wilson is the designer of record for the project. He was responsible for establishing all design services, providing the detailed cost estimate, and he is currently providing construction management services for the project as construction nears closeout.

West End Group A (RR193) Neighborhood Roadway Design, New Orleans, LA

MSMM was tasked by the City of New Orleans Department of Public Works to finalize the design and perform construction management of the West End Group A project. The project includes full depth reconstruction, patch, mill and overlay and incidental pavement repair inclusive of driveways, sidewalks, curbs, and manhole adjustments. Design Fee: $933,250.

Role: Mr. Wilson was the AE of Record for the Design and served as the lead CA for the project.

TEC Professional Services Questionnaire

SPECIALIST:
Name & Title:
Scott Chehardy, P.E.
Project Assignment:
Civil Engineer
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
9 (2015)
Education: Degree(s)/Year/Specialization:
B.S. in Civil Engineering, 1994, University of Southwestern LA
Active registration: Year first registered/discipline:
Year First Registered: 1998 Discipline: Civil State: Louisiana License No.: 28532 *Also registered in Indiana (11700829)*
Other experiences and qualifications relevant to the proposed Project:

Mr. Chehardy has nearly three decades of civil design and hydraulic evaluation experience in Louisiana's coastal Parishes. He has successfully designed streets, levees and floodwalls, pump stations and force mains, and canals and box culverts. His design and assessment experience spans levee and floodwall, roadway, water, sewer and drainage infrastructure elements. He started his career designing roadways along bayous in south Louisiana and was responsible for designing one of the most successful roadway projects in the history of Jefferson Parish. He also has recent experience designing levee access roads and developing new roadway for USACE projects. Mr. Chehardy's responsibilities have included project management, design, permitting, and quality control. He is currently Vice President of MSMM and serves as Engineer of Record on many projects produced by MSMM.

Lapalco Boulevard Widening, Harvey, LA

The primary objectives of this FHWA project were to reduce travel time and traffic congestion and to enhance safety of motorists traveling on Lapalco Blvd. within the project limits. The project involved widening of Lapalco Blvd. from a point between Segnette Boulevard and Drake Avenue to Westwood Drive. The widening involved expanding existing two-lane section between western terminus of project and a point west of Tanglewood Drive and Keyhole Canal to four lanes and expanding the remaining eastern portion of the project from the existing four lane section to a six-lane section.

Role: Mr. Chehardy was the designer of record for the project. He was responsible for all design elements, coordination with all agencies having jurisdiction, and for the construction management aspects.

Oak Street Reconstruction, New Orleans, LA

This project involved partial removal of existing roadway, design of new asphalt pavement with new curbs and

SPECIALIST:
Name & Title:
Scott Chehardy, P.E.

gutters, base, geotextile and geogrid, cold mill existing asphalt over streetcar tracks, installation and replacement of sanitary sewer lines, waterlines and storm drain lines, design of driveways, sidewalks and handicap ramps, preparation of construction documents (Plans and Specifications), construction management and resident inspection.

Role: Mr. Chehardy was the lead designer for the project. He led the design team through the design process and delivered a design package that has been deemed very successful.

Chetta Drive Sewer Improvements Project, SCIP Project C5713, Jefferson Parish, LA.

This project involved design and construction administration for new sanitary sewer in the Chetta Drive, Lisa Drive and Power Boulevard area of Jefferson Parish. The project consisted of the installation of 2,700 linear feet of eight" sanitary sewer and associated roadway repairs. This project was constructed to replace septic systems and private treatment plants in one of the few remaining unsewered areas of Jefferson parish. Given the nature of the project, roadway restoration was a major part of the plans. The project also included the preparation of an Engineers Report to outline the Special Assessment process for financing the project by the property owners within the project limit. The project involved removing and replacing existing pavement and house service connections for the commercial property owners in an established commercial area that did not have gravity sewer system prior to the project.

Role: Mr. Chehardy was the lead designer for the project. He led the design team through the design process and delivered a design package that has been deemed very successful.

Cow Bayou Drainage Pump Station Complex, Orange, TX

The preliminary design phase was a joint engineering effort between USACE New Orleans District, Galveston District, and MSMM. MSMM's design responsibilities included roadway design, structural design, architectural design, civil site work, geotechnical evaluation and design, cost estimating, CAD drafting, and project management. MSMM was an integrated design team with New Orleans District, who provided mechanical and electrical design, while MSMM coordinated this mechanical and electrical design with the civil, structural, and geotechnical engineering design.

Project features being designed by MSMM include roadway, dolphin structures, a pump station safe house, a fuel farm, and access roads. MSMM designed the project in MicroStation 3D and Civil 3D, also utilizing Revit BIM 3D modeling and CIM modeling for the facilities. MSMM engineers also designed permanent project structures associated with the pump station, including the horizontal and vertical pump intake and discharge structures, engine and pump support slabs, fuel tank foundation/containment, water tank foundation, west access bridge, and exterior semi-gantry and overhead bridge crane supports. The pump station and two-story safe house were designed utilizing STAAD software. MSMM's civil engineers provided the wastewater treatment facility design, layout of the entry roadways and parking lots, and the site grading and utility layout in compliance with UFC-201-01.

Role: Mr. Chehardy managed the Civil, Structural, and Architectural aspects of the project, while USACE led the Electrical and Mechanical aspects. He developed the civil/site work design, developed the utility documentation, prepared the detailed plans and specifications, and coordinated the development of the DDR.

TEC Professional Services Questionnaire

INDIVIDUAL CONSULTANT:
Name & Title:
Chris Mills, PE Civil Engineer and Project Manager
Project Assignment:
Civil Engineer and Project Manager
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
5 (2019)
Education: Degree(s)/Year/Specialization:
BS in Civil Engineering, 2019, Louisiana State University
Active registration: Year first registered/discipline:
Year First Registered: 2023 Discipline: Civil (PE) State: Louisiana License No.: 47987
Other experiences and qualifications relevant to the proposed Project:

Mr. Mills has worked with MSMM for 5 years, emerging as a crucial component of our firm's municipal design projects. Mr. Mills is a talented professional engineer with experience designing over 20 municipal projects in Southeast Louisiana. His experience includes roadway and streets design, hydraulic modeling, general civil schematic design, engineering studies, marine infrastructure design, drainage channel revitalization, and pump station design. His referenced general civil design experience includes calculations and schematic design for drainage, water, sewer, and roadway infrastructure. He also served in a construction administration role for various design projects, meticulously managing construction to ensure that all work performed adhered to the design plans, specifications, and local ordinances. His proactive, collaborative, and accessible approach guarantees that each project meets the highest standards of quality and compliance, reflecting his commitment to excellence in every aspect of his work.

Bucktown Marina Transient Boat Dock Design, Metairie, LA

Mr. Mills served as Project Manager and Engineer of Record for the Bucktown Marina Boat Dock design project. The project involved the creation of a transient boat dock and service area. This area features an L-shaped, transient, and flexible dock, specifically designed for accommodating the commercial fishing fleet. He utilized Permatrac technology for composite concrete decking, ensuring a highly durable surface. The transient dock is comprised of a composite wood non-slip surface, prioritizing safety. His work encompassed the installation of piles, dredging operations, construction of a parking lot and walkway, as well as obtaining the necessary permits. This included securing a permits from DNR, CPRA, USACE, and the Levee Board.

Role: Mr. Mills served as Project Manager and Engineer of Record.

INDIVIDUAL CONSULTANT:

Name & Title:

Chris Mills, PE

Civil Engineer and Project Manager

Lincoln Manor Subdivision Drainage Improvements, Kenner, LA

MSMM Engineering was tasked by the City of Kenner to provide professional services for the Lincoln Manor Subdivision Drainage Improvements Project. This project encompasses engineering design, bidding, resident inspection, and construction administration. The primary focus of the project is to enhance the drainage infrastructure along Tifton Street, Ohio Avenue, Dawson Street, and Utah Street, specifically targeting the drainage outfalls leading to Canal No. 13. The scope includes upsizing the drain lines, installing new drainage structures, and removal and replacement of roadways, driveways, and sidewalks as necessary to accommodate the new drainage improvements.

Role: Mr. Mills provided design and construction administration services including engineering project plans, producing project specifications and estimating project cost.

Lower 9th Ward NW Group D (RR111) Neighborhood Design Project, New Orleans, LA

MSMM has been tasked with providing roadway design for approximately 16 blocks of this Lower 9th ward project. The project included mostly full depth replacement and waterline design. Other services included the development of drainage calculations and drainage features, the re-establishment of base course and new roadway on blocks fully covered with vegetative growth, and curb, gutter, roadway, sidewalk, and street surface improvements on a few blocks not requiring full reconstruction. Fee: $531,000.

Role: Mr. Mills developed line and grade analysis, plan and profile drawings, participation in field reviews and virtual plan-in-hand meetings, and coordination with the CNO DPW Project Manager.

Gentilly Terrace North Group B (RR052) Neighborhood Roadway Design, New Orleans, LA

MSMM has been tasked with providing roadway design for 8 streets of this Gentilly Terrace project as a subconsultant to PEC. The project included mostly full depth replacement and waterline design. Other services included the development of drainage calculations and drainage features, the re-establishment of base course and new roadway, and curb, gutter, roadway, sidewalk, and street surface improvements on a few blocks not requiring full reconstruction. Fee: $238,000.

Role: Mr. Mills worked in conjunction with the lead civil engineer from PEC to establish an acceptable full depth replacement of the roadway, establishment of utilities appropriate grade adjustments to street intersections, driveways, and sidewalks.

Lower 9th Ward South Group E (RR115) Neighborhood Roadway Design, New Orleans, LA

MSMM has been tasked with providing full depth reconstruction roadway design for 20 blocks of the Lower 9th ward neighborhood. Design services included the development of drainage calculations and drainage features, the widening and addition of curbs on some streets, and full depth reconstruction inclusive of all utilities for most of the area. Fee: $683,000.

Role: Mr. Mills designed roadway profiles and drainage modifications and improvements, along with final grades compatible with adjacent properties to ensure positive flow of water toward newly designed catch basins.

TEC Professional Services Questionnaire

INDIVIDUAL CONSULTANT:
Name & Title:
Stuart Seiler, PE, PMP Civil Engineer and Project Manager
Project Assignment:
Civil Engineer and Project Manager
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
1 (2024)
Education: Degree(s)/Year/Specialization:
BS in Civil Engineering, 2016, Louisiana State University
Active registration: Year first registered/discipline:
Year First Registered: 2020 Professional Engineer- Discipline: Civil- State: Louisiana License No.: 45472 Project Management Professional (PMP)- 2024- License No.: 3839836
Other experiences and qualifications relevant to the proposed Project:
Mr. Seiler is a licensed Professional Civil Engineer (PE) and Project Management Professional (PMP) with extensive experience spanning both public and private sectors. His career encompasses civil design, program management, project management, and construction management. In the private industry, Mr. Seiler has designed design civil projects including roadways, water systems, sewer systems, civil facilities, and utility conflict resolution across multiple Parishes and municipalities in Louisiana. On the public sector front, he has managed the design and construction of over 1,250 blocks amounting to $150 million for the Department of Public Works. This hands-on experience has deepened his understanding of program implementation, procurement, and public bid law. Notably, Mr. Seiler has represented the New Orleans Department of Public Works in Louisiana's legislative sessions, advocating for municipalities' interests on proposed amendments to Statute RS38:2212 M(5). ***Florida Blvd MOVEBR Program, Baton Rouge, LA*** The City of Baton Rouge and the Parish of East Baton Rouge started the implementation of MovEBR, a historic Sales Tax referendum created to improve transportation. The MovEBR initiative will help the citizens in East Baton Rouge Parish with traffic mitigation by building new roads, sidewalks, and managing traffic in the parish. As part of this program, Florida Blvd (I-110 to Airline Highway) was identified to be improved by adding bike lanes, sidewalk, signalization modifications, and roadway widening. Mr. Seiler was tasked with the intersection assessments for safety and effectiveness. Additionally, the project included striping plans and roadway design. Role: Mr. Seiler designed numerous signal modifications, bike lanes, and safety improvements on this corridor.

INDIVIDUAL CONSULTANT:

Name & Title:

Stuart Seiler, PE, PMP

Civil Engineer and Project Manager

Westside Creeks Restoration Project, San Antonio, TX

MSMM was contracted by USACE's Fort Worth District for the ecosystem restoration and recreation for Martinez Creek, a tributary along the western side of San Antonio River mainstream. The purpose of the project is to restore the Riverine Ecosystem, adding pedestrian facilities, and maintain the channel's flood storage and hydraulic operation. Part of MSMM's responsibility is to design a shared use facility along Martinez Creek. This shared use path include several amenities, including pedestrian facilities, trash can placement, drainage flow throughs, and ADA accessibility. Martinez creek has 17 locations identified for required outfall structures designed to flow under the proposed pedestrian shared use path.

Role: Mr. Seiler was responsible for designing the shared use path and each unique concrete outfall structures.

Little Woods (RR100) Neighborhood FEMA Recovery Roads Repair, New Orleans, LA

At the Department of Public Works, Mr. Seiler was the Project Manager for the +200 block RR100 Little Woods FEMA Recovery Program project, responsible for managing construction and representing the City's interest during the construction phase of the project. General design features included mill and overlay, complete roadway replacement, ADA-compliant ramps at intersections, traffic engineering for intersections, and design of new sub-surface utilities, including drainage, sewer, and water infrastructure. Mr. Seiler was also responsible for coordinating with Entergy, Cox, and AT&T to mitigate utility conflicts.

Role: Mr. Seiler was the Project Manager at Department of Public Works, New Orleans.

Filmore Group B (RR045) Neighborhood FEMA Recovery Roads Repair, New Orleans, LA

At the Department of Public Works, Mr. Seiler was the Project Manager for the +8 block RR045 Filmore FEMA Recovery Program project, responsible for managing design and construction. General design features included complete roadway replacement, ADA-compliant ramps at intersections, traffic engineering for intersections, and design of new sub-surface utilities, including drainage, sewer, and water infrastructure. Mr. Seiler was also responsible for coordinating with Entergy, Cox, and AT&T to mitigate utility conflicts.

Role: Mr. Seiler was the Project Manager at Department of Public Works, New Orleans.

Milneburg Group A (RR130) Neighborhood FEMA Recovery Roads Repair, New Orleans, LA

At the Department of Public Works, Mr. Seiler was the Project Manager for the +256 block RR130 Milneburg FEMA Recovery Program project, responsible for managing construction and representing the City's interest during the construction phase of the project. General design features included mill and overlay, complete roadway replacement, ADA-compliant ramps at intersections, traffic engineering for intersections, and design of new sub-surface utilities, including drainage, sewer, and water infrastructure. Mr. Seiler was also responsible for coordinating with Entergy, Cox, and AT&T to mitigate utility conflicts.

Role: Mr. Seiler was the Project Manager at Department of Public Works, New Orleans.

TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Marty Tittlebaum, Ph.D., P.E. Project Engineer, QA/QC
Project Assignment:
Environmental Engineer
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
9 (2013)
Education: Degree(s)/Year/Specialization:
Ph.D. in Environmental Engineering, 1979, University of Louisville ME in Environmental Engineering, 1972, University of Louisville BE in Civil Engineering, 1971, University of Louisville
Active registration: Year first registered/discipline:
Year First Registered: 1980 Discipline: Civil & Environmental State: Louisiana License No.: 18997 *Also registered in Kentucky (9563)*
Other experiences and qualifications relevant to the proposed Project:

Marty E. Tittlebaum, the past Edward G. Schlieder Chair for Urban Waste Management and Research and Professor of Civil and Environmental Engineering, possesses expertise in the areas of hazardous and industrial waste remediation, environmental permitting and environmental engineering research and project management, water and wastewater treatment and reuse, resource recovery, and hazardous waste management. Dr. Tittlebaum has received over $8 million in state, national and international research funding, written over 75 refereed technical journal articles and been an invited lecturer of over 100 papers. Dr. Tittlebaum has served on several technical advisory panels, including the U.S Corps of Engineers hazardous waste evaluation program.

At MSMM, Mr. Tittlebaum serves as our Principal Quality Control Engineer, and he reviews all design products. He is also responsible for leading all of our environmental permitting activities and has an excellent working relationship with all of the permitting agencies.

Dallas Floodway Extension Phase II – Recreation Access and Design, Dallas, TX

MSMM completed this project for the USACE Ft. Worth District. This recreational access project consists of the placement of approximately 2 miles of concrete trails, a large pedestrian bridge crossing the Trinity River, two smaller bridges for creek crossings, a large, raised boardwalk supported by piles, bird watching platforms, parking lots and gate structures limiting public access.

Role: Dr. Tittlebaum is providing quality control design for the project. He is tasked with reviewing all design products before they are submitted to USACE.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Marty Tittlebaum, Ph.D., P.E.
Project Engineer, QA/QC

New Orleans International Airport (MSY) Drainage Pump Station, Kenner, LA

MSMM completed design and EDC services for a 600 cfs stormwater drainage pump station and for all landside drainage as part of constructing a new airport terminal. The project involved working under an extremely compressed schedule, while successfully delivering a true multi-disciplinary effort spanning various engineering disciplines, hydraulic modeling, architectural services, cost estimating, environmental permitting, drafting, and agency coordination.

Role: Dr. Tittlebaum provided the quality control design for the project. He reviewed all design submittals for accuracy/consistency and provided design comments to our engineering team prior to design submissions to the airport and the FAA.

Cow Bayou Drainage Pump Station Complex, Orange, TX

The preliminary design phase was a joint engineering effort between USACE New Orleans District, Galveston District, and MSMM. MSMM's design responsibilities included structural design, architectural design, civil site work, geotechnical evaluation and design, cost estimating, CAD drafting, and project management. MSMM was an integrated design team with New Orleans District, who provided mechanical and electrical design, while MSMM coordinated this mechanical and electrical design with the civil, structural, and geotechnical engineering design.

Project features being designed by MSMM include dolphin structures, a pump station safe house, a fuel farm, and access roads. MSMM designed the project in MicroStation 3D and Civil 3D, also utilizing Revit BIM 3D modeling and CIM modeling for the facilities. MSMM engineers also designed permanent project structures associated with the pump station, including the horizontal and vertical pump intake and discharge structures, engine and pump support slabs, fuel tank foundation/containment, water tank foundation, west access bridge, and exterior semi-gantry and overhead bridge crane supports. The pump station and two-story safe house were designed utilizing STAAD software. MSMM's civil engineers provided the wastewater treatment facility design, layout of the entry roadways and parking lots, and the site grading and utility layout in compliance with UFC-201-01. Project Management included preparing a detailed communication plan which outlined procedures for coordination of activities and addressed scheduling, communication distribution structure, information collection and filing procedures, and a flow chart of personnel and project progression.

Role: Dr. Tittlebaum is providing quality control design for the project. He is tasked with reviewing all design products before they are submitted to USACE.

TEC Professional Services Questionnaire

KEY PERSON:
Name & Title:
Jeff Wilson, P.E. Civil Engineer
Project Assignment:
Civil Engineer
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
1 (2023)
Education: Degree(s)/Year/Specialization:
B.S. in Civil Engineering, 1988, University of New Orleans Coastal Engineering Certificate, 2014, Old Dominion University
Active registration: Year first registered/discipline:
Year First Registered: 1992 Discipline: Civil State: Louisiana License No.: 16581 *Also registered in Mississippi (31566)*
Other experiences and qualifications relevant to the proposed Project:

Mr. Wilson brings 27 years of experience designing and managing land and marine infrastructure projects to this project. These projects covered a wide spectrum of work from roadway improvements to hydraulic studies and the design of commercial and residential sites. In addition to a design background in roadways, drainage, and utilities, Mr. Wilson has experience with marine construction. He was employed as a diving professional for over 12 years, with experience in the offshore Oil and Gas industry. Mr. Wilson is an active member of the American Society for Civil Engineers (ASCE) and the American Concrete Institute (ACI). He is proficient in EPA SWMM, HEC-RAS, Arcview GIS Software, and the LADOTD Hydraulics software.

City Of Walker Sewer Improvements Project, Livingston Parish, Louisiana

The project was initiated as a joint effort between Livingston Parish (City-Parish) and USACE New Orleans District (MVN) under the Corps' Environmental Infrastructure Program (Section 219). The project aims to enhance sewer infrastructure in the City of Walker in Livingston Parish, Louisiana This includes approximately 2,000 linear feet of 8-inch gravity sewers, 10 sewer manholes, and service connections. Given the nature of the scope, roadway and street design is an integral part of the project. The new gravity sewers will be located along Highway 447 (Walker South Road) from Miller Road/Milton Lane to Glen Ellis Road, serving existing and future developments. The new sewer service will connect to an existing sewer lift station built in Phase 1 of this project. Modifications to the lift station will be limited to coring the existing wet well to accommodate the new 8" diameter influent pipe. By integrating this additional wastewater into the collection system, the project will reduce dependence on privately maintained septic systems, thereby enhancing public health.

Role: Mr. Wilson was the project manager on this project. His contributions include roadway and sewer infrastructure design, Right-of-Way feasibility drawings, and cost estimation.

KEY PERSON:

Name & Title:

Jeff Wilson, P.E.
Civil Engineer

Freret Group A - Design and Construction Management of Roadway, Drainage and Water Improvements/Restoration, New Orleans, LA

The Federal Emergency Management Agency (FEMA) Recovery Roads Project was awarded by the Department of Public Works in New Orleans. This comprehensive initiative encompassed extensive water and drainage system repairs and improvements, followed by the reconstruction of streets within the perimeter defined by Napoleon Avenue, Jefferson Avenue, Claiborne Avenue, and Lasalle Street. The scope of work included asphalt overlay, complete road reconstruction, and the repair or upgrading of water and drainage infrastructure. The project covered an approximately 36-block area, with approximately one-third of the streets being either repaired or entirely replaced.

The project involved significant coordination and planning to ensure minimal disruption to residents and businesses in the affected area. Detailed assessments were conducted to identify the most critical infrastructure needs, prioritizing those that would enhance the resilience and functionality of the local transportation network. State-of-the-art materials and construction techniques were employed to ensure durability and longevity of the repairs and improvements.

Role: As the designer and construction administrator, Mr. Wilson was responsible for creating the design concept and detailed plans for the project in addition to overseeing the construction phase to ensure the design was accurately executed.

Port of New Orleans Hydraulic and Hydrologic Drainage Evaluation

The overall scope of this project involved H&H model setup and calibration, proposing high level development drainage improvements, and development of a preliminary drainage report. MSMM developed multiple SWMM models, which were then used to determine 2, 5, 10-, 25-, 50-, and 100-year events. We also collected aerial and LiDAR data, as well as historic storm hydrologic and hydraulic models to identify H&H feature characteristics for stormwater management.

Role: Mr. Wilson was the project manager on this project. His contribution included liaison with the prime consultant and preparing a drainage study for the Owners using information from historical records. He also assisted in preparing the drainage model and evaluation.

TEC Professional Services Questionnaire

INDIVIDUAL CONSULTANT:
Name & Title:
Eric M. Curson Design Manager
Project Assignment:
GIS Specialist GIS/CADD
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
9 (2015)
Education: Degree(s)/Year/Specialization:
Associates: Southeastern College of Technology Some Classes: Purdue University
Active registration: Year first registered/discipline:
N/A
Other experiences and qualifications relevant to the proposed Project:
Eric Curson is a GIS Specialist, geospatial, and CAD manager at MSMM, where his project experience encompasses a variety of geospatial and software initiatives within the Federal and local market in southeast Louisiana. Mr. Curson has worked extensively on projects that require the use of ESRI ArcGIS and Microsoft SQL Server for Federal clients including the USACE New Orleans District. He has been instrumental in leading the GIS database creation and management for several MSMM projects including the Jefferson Parish I&I project, and the Chitimacha and Ascension Parish GIS planning tool initiatives. With a background in both CAD and GIS, Mr. Curson understands the similarities and differences between the two systems and has played an important role in working through any conversion issues that have arisen through the digitization and database creation process. As the lead drafter at MSMM, Mr. Curson has been instrumental in the development of project plans, working in conjunction with the engineering staff to finalize all submittals. ***Coventry Court Drainage Evaluation Feasibility Report, Jefferson Parish, LA*** In early 2017, following repetitive street flooding in the Coventry Court area of River Ridge, MSMM Engineering worked with the Jefferson Parish District 2 office to propose a solution to the flooding issues in the area. The MSMM engineering team identified several potential options that could be evaluated. In 2018, the Jefferson Parish Council tasked our staff with developing a multi-phase feasibility report to evaluate several drainage solutions in the area. As part of the Coventry Court evaluation, the Jefferson Parish drainage department requested that MSMM investigate and determine the feasibility of providing improved drainage. The investigation consisted of the following: - Evaluation Phase/Data Review – collection and analysis of existing information

INDIVIDUAL CONSULTANT:
Name & Title:
Eric M. Curson Design Manager

- Field Reconnaissance and Preliminary Survey – collection of relevant field information
- Model Runs and Calibration – updated the HEC-RAS model with the area's data for 10-year, 50-year and 100-year storm events.
- Cost Estimating of Multiple Alternatives – provided detailed cost breakouts consisting of vendor furnished pricing data for materials
- Development of a Prioritized List of Recommendations – the alternatives developed were prioritized based on our engineering recommendations.

MSMM is the only entity to envision and develop the Coventry Court drainage pump station concept. The final report was completed in less than 6 months, and the final recommendation is to design a new drainage pump station on a vacant parcel owned by the parish between Coventry Court and Lee Court, westerly of Jefferson Highway. This 90 cfs (120 cfs ultimate) pump station with a 48' open cut discharge forcemain placed down Colonial Heights Road and over the Mississippi River levee. Other project features consist of a discharge dolphin in the Mississippi River and upsizing of the Jefferson Highway drainage crossings and downstream conveyance. This recommended alternative provides the greatest pumping capacity while requiring the least amount of permanent drainage servitude.

Role: Mr. Curson worked with the civil and hydraulic engineering staff to develop GIS shapefiles for inclusion into the model. He also mobilized to the field identifying catch basins, inlets, manholes and other drainage features, which he grabbed coordinates for and uploaded into the model. Finally, Mr. Curson developed project alternatives in GIS and provided conceptual level design in CAD.

Clearview Drainage Pump Station, St. Peter's Ditch Improvements – Phase 4, Jefferson Parish, LA.

MSMM engineering staff provided complete design services for a 220 cfs drainage pump station located within the DOTD Right-of-Way of the Clearview Parkway/Earhart Expressway interchange. The goal of this pump station was to pump stormwater runoff from the existing detention pond network, over Cross Canal, and discharge directly into the improved St. Peter's Ditch (box culvert). The project required multiple disciplines including civil, structural, electrical and mechanical engineering, as well as, cost estimating and drafting (CAD). The pump station structure contained three 75 cfs vertical lift pumps with 250 HP motors and several hundred feet of 36" discharge piping. Additional features of the project included a pile supported reinforced concrete structure, sheetpile intake area, trash rake with conveyor, conditioned control building, generator, traffic detour plan, discharge pipe aerial canal crossing, utility relocations, and other related improvements.

Mr. Curson was the lead CAD designer for the project. He worked with civil, structural, electrical and mechanical engineers to develop the project design and supply of all drawings.

TEC Professional Services Questionnaire

INDIVIDUAL CONSULTANT:
Name & Title:
Binh Le Engineering Technician
Project Assignment:
CADD and BIM/CIM
Name of Firm with which associated:
MSMM ENGINEERING, LLC
Years' experience with this Firm:
1 (2023)
Education: Degree(s)/Year/Specialization:
Bachelor's in architecture, 1979, University of Saigon
Active registration: Year first registered/discipline:
N/A
Other experiences and qualifications relevant to the proposed Project:

Mr. Le is an Engineer Technician and BIM/CIM Modeler who has spent 43 years specializing in highway projects, architectural projects, and structural projects. His relevant expertise includes collecting information, preparing site plans, and organizing design variables/documents for the EOR on various infrastructure such as floodwalls and levees, pump stations, sewer treatment plants, drainage plans, and landscaping details. He has worked on major local interstate, bridge, renovation, and flood protection projects and has extensive experience in AUTOCAD major, REVIT, Autodesk BIM, Twinmotion, and MicroStation.

River Road Aquatic Ecosystem Restoration- San Antonio, TX

MSMM was contracted by USACE/San Antonio River Authority to provide 100% Design-Bid-Build of this large-scale project, which focused on recreational usability as well as ecosystem restoration. MSMM's responsibilities included H&H analysis, stream restoration, landscape architecture, civil and structural design, cost estimating, and value engineering.

Role: Mr. Le provided engineering tech services to the design team. He utilized google earth to search for potential obstructions and organized the project files accordingly. He was also the BIM/CIM for the project, creating models for bird-watching platforms, water features, and Fishing Piers using Autodesk BIM software.

Woodlake Estates/Seton Park Subdivision Drainage Pump Station, Jefferson Parish, LA

MSMM was tasked by the Jefferson Parish Council to evaluate drainage pump station alternatives to solve the issue of long-term flooding within the Woodlake and Seton Park neighborhoods within the City of Kenner. In 2018, MSMM completed a feasibility study that developed multiple drainage pump station alternatives that bypass the capacity limitations of the canals and alleviate stormwater flooding in the area. At the completion of the feasibility report, the following alternatives were identified:

INDIVIDUAL CONSULTANT:
Name & Title:
Binh Le Engineering Technician
- A new drainage pump station at the corner of Canal 17 and Canal 7 (west end of Joe Yenni Blvd.), a discharge forcemain westwards, with a discharge basin in the West Return Canal. - A new drainage pump station at the northeast corner of Vintage Drive and Platt Street on Canal 17, a discharge forcemain westwards, with a discharge basin in the West Return Canal. - A new inline drainage pump station at or near the corner of Canal 17 and Canal 7 with discharge into the canals and also with a discharge forcemain westwards to a discharge basin in the West Return Canal Mr. Le worked with the civil and hydraulic engineering staff to develop GIS shapefiles for inclusion in the model. He also mobilized to the field to identify catch basins, inlets, manholes, and other drainage features, for which he grabbed coordinates and uploaded them into the model. Finally, Mr. Le developed project alternatives in GIS and provided conceptual-level design in CAD.

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

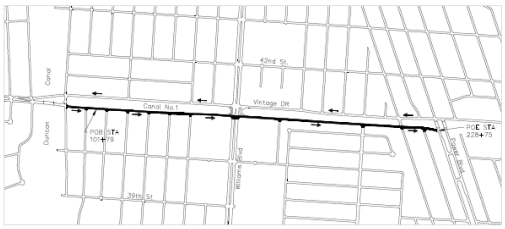
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Nicolle Boulevard Resurfacing (Lapalco Boulevard to Jamie Boulevard), Avondale, LA **Jefferson Parish Capital Projects** **Miles Bingham, West Bank Program Manager of Capital Projects (504-736-6833**	MSMM was awarded full engineering design services for the mill and overlay of Nicolle Blvd. from Lapalco Blvd. to East of Pat Drive. MSMM is the sole entity to assess and design this important roadway construction and design project. The reconstruction of Nicolle Blvd. included paving over potholes and inconsistencies, as well as replacing the roadway so it transitions smoothly onto the Churchill Parkway, into Technology Park. There are two parts to this project; the first part being the mill and overlay of Nicolle Blvd, which included a Mill of 1.5 inches upwards on a .025ft/ft slope, a 2 to 3 lane transition which measured 660ft, and the second part was the partial or full replacement of the segment immediately east of Pat Drive, which includes the identification of base failure and material replacement, as well as the complete replacement of handicap ramps and previous panels. MSMM performed 100% of the design services for the project, including preparation of detailed construction plans with record drawings pertaining to construction completed by our engineers in CAD. MSMM also provided the cost estimates to outline items of work and unit prices, and we provided construction management services. 

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	**Work for which Firm was Responsible:**
2019	$300	$300

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. 02

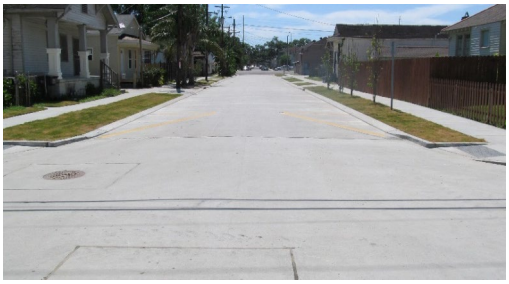
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Vintage Dr Resurfacing – Duncan Canal to Power Blvd, Kenner LA **City of Kenner** **Jose Gonzalez, P.E, Deputy CAO – PW 504-468-7515**	The City of Kenner has recently contracted with MSMM for the necessary roadway improvements for Vintage Dr in Kenner, LA. This project is partially funded through LADOTD and thus all work is performed in accordance with LADOTD and FHWA most current standards and requirements. The design consists of full depth reconstruction and mill and overlay, striping plans, and regrading runoff surface. The project stretches from the Duncan Canal to Power Blvd. MSMM's scope includes geotechnical, engineering design, construction bidding, resident inspection, and construction administration for this project. As the prime, MSMM is providing full engineering design which will include preliminary phase, design phase, bidding phase, and construction phase for specification and drawing productions. STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT VINTAGE DRIVE EASTBOUND FAP No. H015561 S.P. No. H015561 VINTAGE DRIVE EASTBOUND RESURFACING DUNCAN CANAL TO POWER BLVD CITY OF KENNER - JEFFERSON PARISH 30% PRELIMINARY PLANS  During construction, MSMM will be responsible for all resident inspection and construction administration services. This will include reviewing and addressing the project schedule, pay applicants, RFIs, material submittals, and progress meetings. An MSMM inspector will ensure contractor quality performance throughout construction duration.

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	**Work for which Firm was Responsible:**
2024	$900	$150

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. 03

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Aubry Street CDBG 10-Year Storm Drainage Improvement and Roadway Construction, New Orleans, LA **City of New Orleans – Department of Public Works** **Josh Hartley, P.E., Senior Engineer/Project Manager** **504-658-8042**	MSMM performed 100% of the design for re-construction of Aubry Street in the City of New Orleans. This drainage and concrete reconstruction project consist of a 4-block street located within an extremely busy neighborhood corridor. The project was requested to be design and constructed within a 1-year timeframe to have the roadway open for the Jazz Fest music festival. This timeline was met, and the street was successfully opened prior to the 2017 Jazz Festival. MSMM performed civil design engineering services of the roadway, sidewalks, driveway aprons and sewer for this full reconstruction project. MSMM was also tasked with developing the H&H model (using HYDRWIN) to calculate drainage characteristics within the project area. This information was compared with the capacity of existing drainage infrastructure to develop recommendations for upgrades to the drainage in the neighborhood. MSMM also performed utility research to identify conflicts and found that a 50-inch water line crossed the project area with below average cover (3 ft.). Relocation of the waterline was approved for the project scope and through a mapping and drafting effort, was approved in a new location. MSMM completed the plans and specifications, provided bidding phase services, construction management services and performed the Resident Inspection for the project.  

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	**Work for which Firm was Responsible:**
2022	$425	$425

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. 04

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Little Woods Group A (RR100) Neighborhood FEMA Recovery Roads Design, New Orleans, LA **City of New Orleans – Department of Public Works** **Marlon Carrio, Senior Project Manager** **504-658-8009**	MSMM performed 100% of the design services and is currently performing construction management and resident inspection for the FEMA funded roadway repairs within the Little Woods neighborhood of New Orleans. Design services consisted mostly of patch, mill, and overlay design, incidental roadway repairs and the installation of ADA handicap ramps. Full depth reconstruction inclusive of the installation of drainage infrastructure was also included for 4 blocks of Hickman Street. MSMM services for the project consist of engineering and design for multiple project features that fall within the boundaries of the Capital Improvement program. Features designed include roadway pavement mill and overlay, isolated patching, complete roadway replacement, ADA compliance ramps at intersections, traffic engineering for intersections, crosswalks, curb and gutter, adjustment and re-framing of manholes, and the design of brand-new sub-surface utilities inclusive of sewerage lines, water lines and drainage infrastructure. The project was designed to comply with the City's General Specifications for Street Paving and the State of Louisiana's Standard Specifications for Roads and Bridges. The design for the project was completed in July 2019, and construction is anticipated for completion in September 2021.  

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	**Work for which Firm was Responsible:**
2021	$180	$180

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. 05

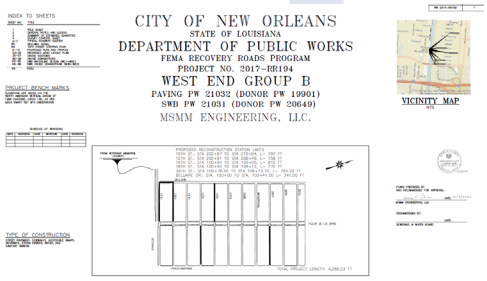
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Lincoln Manor Subdivision Drainage Improvements, Kenner LA **City of Kenner** **Tom Schreiner, P.E, Deputy CAO – PW 504-468-7515**	The City of Kenner was contracted with MSMM for the necessary drainage improvements for the Lincoln Manor Subdivision in Kenner, LA. Design of new drainage outfalls at Canal No, 13 for Tifton St., Ohio St., and Utah St. are included in the design package, as well as the inclusion of the full restoration of Dawson Street. The improvements for both phases of the project include upsizing the drainage pipes from 15" to 24", adding new drainage structures, and removing and replacing existing roadways, driveways, and sidewalks as means to upgrade the drainage features. MSMM's scope includes geotechnical, engineering design, construction bidding, resident inspection, and construction administration for this project. As the prime, MSMM is providing full engineering design which will include preliminary phase, design phase, bidding phase, and construction phase for specification and drawing productions.  During construction, MSMM will be responsible for all resident inspection and construction administration services. This will include reviewing and addressing the project schedule, pay applicants, RFIs, material submittals, and progress meetings. Additionally, we will have an inspector on site at all times for observation of all work by the contractor. MSMM will review, measure, and record all work completed for the production of daily field reports and verification of adequate traffic and site safety procedures.

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	**Work for which Firm was Responsible:**
2023	$900	$180

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. 06

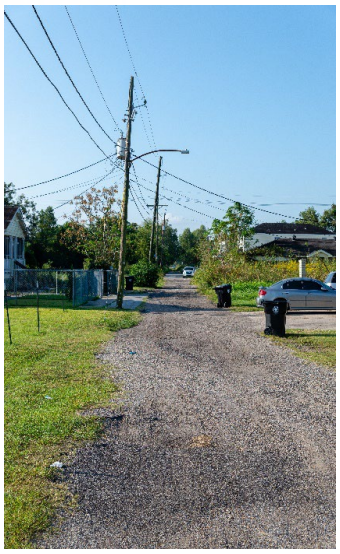
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
West End Group B (RR194) Neighborhood Roadway Design, New Orleans, LA **City of New – Department of Public Works** **Mohanad Abdelfattah, Project Manager** **504-250-7608** 	The West End Group B project consists of 6 blocks roughly bounded by Bellaire Dr, Pontchartrain Blvd., Veterans Blvd, and 26th Street. MSMM has been tasked with providing full depth roadway construction for all 6 "double blocks". All blocks are concrete and being replaced as concrete. The fully reconstructed streets include new drainage, new concrete drives and sidewalks and curbs, new ADA Ramps, 6 blocks of new 8" water, and 5 blocks of new 8" sewer. MSMM's scope for design drawings, included schematic design, preliminary design, and final design, and all plans were prepared and submitted for approval within the City's CAD system for this project. We were also responsible for providing cost estimates and updates to project schedule reviews. MSMM also completed detailed hydraulic calculations for the new drainage infrastructure that was designed. Construction management services will be performed directly under the supervision of Mr. Jim Wilson, a LA registered civil engineer. Prior to award of construction, Mr. Wilson will be responsible for all design documents. He will also be responsible for updating, reviewing, and documenting all construction plans and specifications, the QA monitoring plan, the project schedule, the coordination of project phasing plan, all RFIs, and any field changes or deficiencies. The project bid cost was identified to be in range of the engineers estimate, but due to the extremely tight construction duration of 200 calendar days, some unit prices were higher than average costs identified by the MSMM team. Overall, this was not an issue and construction will begin on time.

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	**Work for which Firm was Responsible:**
2018	$225	$225

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. 07

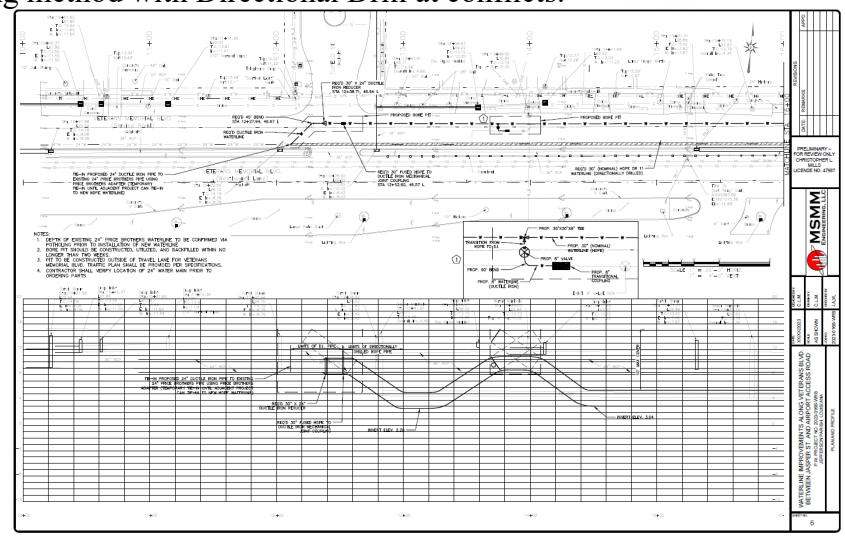
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Lower 9th Ward NW Group D (RR111) Neighborhood Design Project, New Orleans, LA **City of New Orleans – Department of Public Works** **Brian Fontaine, Senior Project Manager** **504-316-7697**	MSMM performed 100% of the design engineering services for this roadway reconstruction project in the Lower 9th Ward. The project consists of a 16-block grid of full roadway reconstruction with the addition of curbs. Design services completed by MSMM consist of roadway pavement with curbs, subsurface and surface drainage, water and sanitary sewer installation adjustments, adjustments to driveways, installation of ramps for the handicapped, final grades compatible with adjacent properties to ensure the positive flow of water toward catch basins, and compliance with the City's General Specifications for Street Paving. To date, MSMM has prepared and provided final construction plans, specifications, drawings, bid documents and construction cost estimates conforming with the City's plan-in hand comments. These plans were stamped by Mr. Jim Wilson, a Louisiana registered Civil Engineer. The next MSMM responsibilities will be attending and participating in a pre-bid and pre-construction conference and performing the required Construction Management services.  

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	**Work for which Firm was Responsible:**
2016	$500	$500

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. 08

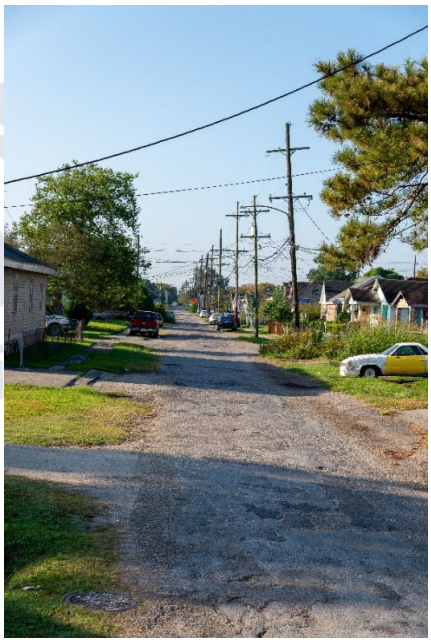
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Waterline Improvements Along Veterans Blvd Between Jasper St. and Airport Access Road Jefferson Parish, LA Jefferson Parish Department of Public Works Jefferson Parish, LA Sidney J. Bazley, III Water Director Jefferson Parish	Jefferson Parish selected MSMM Engineering as the Prime Engineering Firm to provide professional engineering services for the design and construction administration of improvements associated with a Waterline & Roadway Improvements along Veterans Blvd. Between Jasper St. and Airport Access Rd. The project includes the installation of new waterline along Veterans Blvd. between Jasper St. and Airport Access Road including new service lines, hydrants, valves, all other related fittings and incidentals, and removal and replacement of roadway. MSMM is providing all basic services required to complete the project including all necessary services including design, bidding, and construction administration. The project consists of installing a new 24-inch diameter Water Transmission Main, on the north side of Veterans Blvd., from Airport Access Rd. west approximately 5,200 linear ft. to Jasper St. (& 5,200 feet of roadway design). MSMM has proposed plans for two waterline installation methods for the project: Traditional Trench method with Directional Drill at conflicts & Pipe Bursting method with Directional Drill at conflicts. 

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	Work for which Firm was Responsible:
2025	$502,293.00	$502,293.00

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. 09

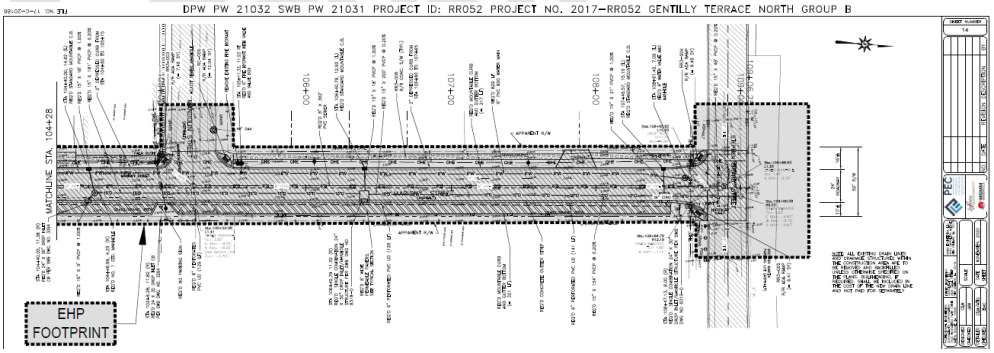
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Lower 9th Ward South Group E (RR115) Full Reconstruction Design Project, New Orleans, LA **City of New Orleans – Department of Public Works** **Mohanad Abdelfattah, Project Manager 504-316-7697**	MSMM Engineering is currently performing 100% of the design services for this roadway reconstruction project in the Lower 9th Ward. The project consists of a 20 blocks of full roadway reconstruction and patch mill overlay with the addition of curbs. Design engineering services completed by MSMM consist of roadway pavement with curbs, subsurface and surface drainage, water and sanitary sewer installation adjustments, adjustments to driveways, installation of ramps for the handicapped, final grades compatible with adjacent properties to ensure the positive flow of water toward catch basins, and compliance with the City's General Specifications for Street Paving.  To date, MSMM has prepared and provided final construction plans, specifications, drawings, bid documents and construction cost estimates conforming with the City's plan-in hand comments. These plans were stamped by Mr. Jim Wilson, a Louisiana registered Civil Engineer. MSMM is currently in the process of finalizing the submission of a USACE permit due to 3 blocks of the project falling within the required permitting distance from a Federal levee. Following the permitting process, MSMM will participate in the bidding phase, and we will provide Construction phase services. Construction of the project could start in the Spring of 2021 and be finalized in the Spring of 2022.

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	**Work for which Firm was Responsible:**
2018	$120	$120

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. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Gentilly Terrace North Group B (RR052) Neighborhood Roadway Design, New Orleans, LA **City of New Orleans – Department of Public Works** **John Shires, PE – PEC 504-309-5360**	MSMM has been tasked with providing complete reconstruction roadway design for eight (8) streets of this Gentilly Terrace project, and approximately six (6) streets of patch, mill, overlay design as a subconsultant to PEC. The main portion of the project includes mostly full depth replacement and waterline design. Other services include the development of drainage calculations and drainage features, the re-establishment of base course and new roadway, and curb, gutter, roadway, sidewalk, and street surface improvements on the referenced blocks where full reconstruction was not required. One unique feature of our design was the incorporation of permeable pavers on Marigny Street. This Green Infrastructure component was featured in the design during the 35% design submittal to alleviate water ponding in the roadway and  to provide additional drainage support to the area. This feature is well received within the neighborhood and our engineering team will continue to evaluate additional areas of the project where similar Green Infrastructure measures can be incorporated. To date, we have provided 65% design for the blocks including in our scope. We are currently addressing comments on the intermediate design submittal and will soon provide the 90% design. We will also be responsible for providing construction administration on the blocks we designed.

Completion Date (actual or estimated):	Estimated Cost (in thousands):	
	Entire Project	**Work for which Firm was Responsible:**
2024	$150	$150

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:**	
Not Applicable	**Not Applicable**	**Not Applicable**

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

MSMM Engineering, LLC (MSMM) is one of the fastest growing small AE businesses in the greater New Orleans area. As a full-service firm, our engineers have expertise in a number of areas, including roadway design, roadway damage assessment, planning and design, and drainage infrastructure. MSMM engineers total over 150 years of design experience and combined have designed over 250 projects for Jefferson Parish, with a large number of these involving roadway design.

Since our inception in 2011, we have provided design and construction management services to local governments in South Louisiana on several street restoration projects funded by FEMA, heavily involving restoration of utilities, sidewalks, and roadways, as well as drainage design. We have proudly served these local governments, including Jefferson Parish, with emergency damage assessment and funding, planning, design, permitting, public outreach, NEPA documentation, construction management, resident inspection and project closeout for infrastructure work.

To exemplify our familiarity with the work required under this solicitation, we've compiled a few examples of Jefferson Parish roadway projects designed by MSMM staff:

- Manhattan Boulevard Rehabilitation from Lapalco to Harvey
- Lapalco Boulevard Widening
- Hickory Avenue (LA-48 to Mounes)
- Sena Drive Drainage Improvements
- Sauve Road Drainage Improvements
- 31st Street Bridge Replacement
- Hilltop to Quitman Bridge Replacement
- Soniat Canal Improvements, West Metairie Ave. To Canal No. 3

1. PROFESSIONAL TRAINING AND EXPERIENCE IN RELATION TO THE TYPE OF WORK REQUIRED FOR THE ENGINEERING SERVICES

MSMM has a recent roadway design portfolio that is estimated at over $21M and a total portfolio at over $60M. We offer a talented design team with extensive experience in project evaluation, project design, drafting of technical plans, development of technical specifications, and construction administration. Our staff also regularly participate in seminars and conferences hosted by the American Road & Transportation Builders Association and the National Asphalt Pavement Association.

As a result of long-held experience with the requested work, our engineers are well versed in roadway design

and the standards that must be met for such projects, such as:

FHWA: MSMM has designed several FHWA projects, inclusive of the Lapalco Boulevard Widening project. Our engineering leaders understand the design guidelines and specifications that must be followed for FHWA projects, understand the funding constraints, design submittals and the interaction of several agencies/organizations during the review/commenting period. We feel comfortable in our ability to design these projects and look forward to future opportunities to provide FHWA design solutions.

ADA: For every project MSMM has designed for the City of New Orleans within the FEMA Roadway program, ADA ramp design has been required. When assigned a project within the program, MSMM engineering personnel will make a site visit to the identified neighborhood and do an assessment of the status of the intersection ramps. Typical problems we find consist of improper truncated domes, steel curbs with no ramps, and ramp slopes that are too steep. When an intersection is identified incompliant with ADA standards, those intersections are identified, and the contractor must reconstruct those ramps to match City of New Orleans Standards for ADA compliance.

AASHTO: MSMM has been required to provide design to AASHTO standards for several of our USACE design projects for roadways. Currently, MSMM is designing several projects in the State of Texas for USACE that require roadway designs to AASHTO standards. These projects are the Cow Bayou Drainage Pump Station, which requires brand new roadways, and the Timber Creek Recreational project, which requires both roadway removal and replacement, and the addition of curbs and drainage above grade drainage structures to roadways that did not have them. Additionally, the Dallas Floodway Extension Bridge Design, was designed to AASHTO standards, and was reviewed and approved by the USACE Ft. Worth District.

All of MSMM's engineers hold expertise in roadway design and familiarity with Jefferson Parish standards, including those listed above. To give a small example of our firm's professional experience with the requested services, we offer a quick introduction to our team leaders:

Manish Mardia, P.E. (Principal) – Mr. Mardia has been either the engineer of record or principal in charge of more than 200 projects for Jefferson Parish since the early 1990's. Mr. Mardia's engineering management experience for Jefferson Parish projects includes roads and bridges, stormwater and wastewater, and multiple environmental projects. He has provided design oversight, coordination, construction management services, subsurface utility design, evaluation, and more for a number of Jefferson Parish roadway projects.

Jim Wilson, P.E., LEED AP (Vice President) – Mr. Wilson is the Senior Civil Engineer at MSMM and has designed 11 roadway-only projects over recent years, including two projects in Jefferson Parish: Lapalco Boulevard Widening and Manhattan Boulevard. He has also designed multiple drainage projects in Jefferson Parish that have included roadway design and coordination with various agencies including LADOTD: Sauve Road Drainage Pump Station, Sena Drive Improvements, and Harahan Pump to the River. He was the designer of record for the 2018 New Orleans International Airport Drainage Pump Station. He is highly experienced in providing roadway and drainage design, including water line design and water meter replacement.

Scott Chehardy, P.E. (Vice President) –Mr. Chehardy provides extensive experience working on design projects in Jefferson Parish and has been the designer of record for some of MSMM's largest-scale drainage projects, including the Harahan Pump to the River. Mr. Chehardy is extremely familiar with providing civil/site design, construction management, permitting, utility documentation, coordination and more. He has been the lead designer and designer of record for multiple successful South Louisiana (and Jefferson Parish) roadway

projects.

2. SIZE OF FIRM CONSIDERING THE NUMBER OF PROFESSIONAL AND SUPPORT PERSONNEL TO PERFORM THE TYPE OF ENGINEERING TASKS

MSMM has a total of 30 personnel that will be available to work on this project. Though labeled as a small DBE firm, MSMM's engineering qualifications rival those of larger engineering firms in the region. Many of the aforementioned roadway projects were completed either entirely or nearly entirely by our in-house team. As a full-service engineering firm, we are committed to providing a staff that has a wide range of capabilities, as well as the ability to manage those capabilities in a way that promotes safety and quality while staying on time and in budget.

Our Project Management Plan prioritizes a style of project management that is heavily built around effective communication. This coordination encourages consistent understanding between the project owner, our engineers, and any related stakeholders. Effective coordination guarantees that we are applying the correct amount of resources to meet the scope of work at any given time. Should the scope change, our multi-talented staff will be able to amplify resources to mitigate any challenges.

3. CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK

MSMM can strongly attest that each of our engineering staff members have greater than 60% availability to design roadway projects for Jefferson Parish. MSMM's current project load allows ample flexibility in our staffing arrangements to ensure that services are executed on time and within budget. We recently wrapped up four of our largest design jobs, one being the large drainage pump station at the New Orleans International Airport, and the other three being large design task orders for USACE Ft. Worth District. These four jobs encompassed most of our engineering resources over the last 2 years. With these jobs now finished, we have started to allocate our engineering resources to local work, and our engineers have ample availability in their current schedules for a new project. In addition, the other large design jobs we currently have ongoing for USACE (Cow Bayou Drainage Complex, Ascension Parish Wastewater Treatment Plant, and design for a new floodwall in Texas City, TX) have moved past the preliminary design phase and final design will be completed before the end of the year. Therefore, our staff has ample time to complete the work required under this RFQ.

We offer the following references that can attest to our previous timeliness in designing roadway projects for the City of New Orleans, Jefferson Parish, and the City of Kenner.

- **Mitch Theriot, P.E., Director of Drainage Department • Jefferson Parish •** 1221 Elmwood Park Blvd., Ste. 907, Jefferson, LA. 70123 • 504-736-6751
- **Marlon Cario, PE Senior Project Manager • City of New Orleans •** 1300 Perdido Street., Ste. 6W03, New Orleans, LA. 70123 • 504-658-8009
- **Neil Schneider, P.E., Director of Capital Projects • Jefferson Parish •** 1221 Elmwood Park Blvd., Ste. 906, Jefferson, LA. 70123 • 504-736-6833
- **Khalid Saleh, PE, Program Manager FEMA Roadway Program • City of New Orleans DPW •** 504-658-8009

4. PAST PERFORMANCE BY PERSON OR FIRM ON PARISH CONTRACTS

MSMM's Principals have been working on Jefferson Parish contracts for the past 20 years and have a track record of successful project execution starting from grant applications, through environmental permitting and design, to construction administration and grant management. At no point during the 20+ year career of producing project plans and specifications has any member of MSMM been involved in projects involving design inadequacies, cost over-runs or assertions of fault.

Jefferson Parish projects designed by MSMM engineering staff:

- Utility (Sewer) Relocations – Huey P. Long Bridge Widening
- 31st Street Bridge Replacement
- 23rd Street Bridge Replacement
- Hilltop to Quitman Bridge Replacement
- Manhattan Boulevard Rehabilitation from Lapalco to Harvey
- Lapalco Boulevard Widening
- Hickory Avenue (LA-48 to Mounes)
- Harahan Pump to the River, Jefferson Parish, LA
- Soniat Canal Drainage Improvements (USACE/SELA project)
- Drainage Pump Station Design, New Orleans International Airport, Kenner, LA
- Storm Water Demonstration Project, Force Main & East Bank Wastewater Treatment Plant Expansion, Jefferson Parish, LA.
- Sena Drive Drainage Improvements
- Sauve Road Drainage Improvements
- Canal 7 Drainage Improvements at Chateau Boulevard and Joe Yenni Boulevard
- East Bank Subsurface Drainage Improvement Program Phases I and II
- Drainage Evaluation of Canal Nos. 17 and 7, and Parish Line Pump Station
- Environmental Review for Hurricanes Gustav and Ike CDBG Disaster Recovery grant projects
- East Bank Sewerage Plant Disinfection Feasibility Study, Jefferson Parish, LA.
- Storm Water Demonstration Project, Force Main & East Bank Wastewater Treatment Plant Expansion, Jefferson Parish, LA.
- Infiltration/Inflow Hydraulic Modeling, Jefferson Parish, LA
- Sewer Lift Station D6-5 Force Main Improvements, Jefferson Parish, LA
- Chetta Drive Gravity Sewer System, Jefferson Parish, LA
- East Bank Water Treatment Plant Expansion, Jefferson Parish, LA
- Wastewater Treatment Plant Modifications, including Sewer Force Main (Tribune to East Bank WWTP), Jefferson Parish, LA
- Sewerage Improvements to the Crown Point Area, Jefferson Parish, LA
- Drainage Design Services for the Long Term Airport Development, New Orleans International Airport, Kenner, LA
- Bridge City Chlorination/ Dechlorination System, Jefferson Parish, LA
- Causeway Boulevard Scott Street Sewer Lift Station Improvements

MSMM roadway projects for other South Louisiana local governments (either completed or in progress):

- Aubry Street CDBG 10 Year Storm Drainage Improvement Roadway Construction
- Broadmoor Street Repairs
- Gentilly Terrace North Neighborhood Roadway Design

- Lake Terrace Oaks Roadway Reconstruction
- Little Woods Neighborhood FEMA Recovery Roads Repair
- Plum Orchard FEMA Recovery Roads
- West Esplanade Avenue U-Turn Near Edenborn Avenue
- Vintage Dr. – Duncan Canal Power Boulevard
- Bourbon Street Resident Inspection

Our engineers are fully capable of handling multiple roadway design projects at a time, and are fully versed in the replacement of water, sewer and drainage infrastructure associated with the roadway restoration design. As you can see, MSMM is highly qualified to perform the required services for this project and has recent similar project experience that proves our capability to successfully complete this project.

5. LOCATION OF PRINCIPAL OFFICE WHERE WORK WILL BE PERFORMED

All work associated with this project will take place out of the MSMM office located at 4508 Clearview Parkway, Metairie, LA 70006.

6. ADVERSARIAL LEGAL PROCEEDINGS BETWEEN THE PARISH AND THE PERSON OR FIRM PERFORMING PROFESSIONAL SERVICES

MSMM is proud to state that **neither the firm nor our staff have been involved in any litigation activity with Jefferson Parish** or any other client.

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

Signature: _____ **Print Name:** **Manish Mardia, PE**

Title: **President** **Date:** **July 16, 2024**

Louisiana Professional Engineering and Land Surveying Board

Hereby Certifies that

MSMM Engineering, Inc.

has complied with the regulation of this Board and is authorized to provide or to offer to provide engineering services in the State of Louisiana contingent upon payment of the annual renewal fee.

Baton Rouge, Louisiana · 08/15/2011

Ali Mustapha
Chairman

Secretary

License Number 4896

The Louisiana State Board of Registration for Professional Engineers and Land Surveyors

Hereby Certifies that

Manish Mardia

has qualified before this Board in accordance with law and his name has been inscribed upon the list of registered Professional Engineers. He is thereby entitled to practice in the State of Louisiana the profession of

Environmental Engineering

contingent upon payment of the annual license fee provided by law.

STATE OF LOUISIANA · BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS & LAND SURVEYORS

Baton Rouge, La. July 13, 1999

Chairman

Secretary

Registration No. 28482

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations
& Under the State of Louisiana United Certification Program (LAUCP)

MSMM Engineering, LLC

Is a Certified Disadvantaged Business Enterprise (DBE) in the following specialties:

541690, 541620, 541618, 541611, 541490, 541350, 541340, 541330

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: January 13, 2024- January 13, 2025

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Keziah L. Cawthorne

Keziah L. Cawthorne, DBE Program Administrator II

Regional Transit Authority

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provision of Routine Engineering Services for

Streets Projects in Jefferson Parish

SOQ **24-021** | Resolution No. **144319**

B. Firm Name & Address:

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

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

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

Chad M. Poché, P.E., Executive Vice President
504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com
Registered Professional Civil Engineer (Louisiana No. 27667; since 1998)

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

Chad M. Poché, P.E., Executive Vice President
504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com
Registered Professional Civil Engineer (Louisiana No. 27667; since 1998)

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

7	Administrative		Estimators		Specification Writers
	Architects (Licensed)		Geologists		Structural Engineers
	Chemical Engineers	2	Geotechnical Engineers		Graduate Engineers
	Civil Engineers		Interior Designers	1	Project Managers
10	Construction Inspectors		Landscape Architects		Clerical (*see Administrative*)
	Ecologists		Land Surveyor (*Apprentice*)		Grant/Funding Specialist
	Electrical Engineers		Mechanical Engineers		Sanitary Engineers
	Engineer Intern		Environmental Engineers	1	*CMT Supervisor*
1	Professional Land Surveyors			1	*Construction Svcs Manager*
				4	*Laboratory Personnel*
				3	*Soil Boring Personnel*
				30	**TOTAL**

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

YES_____ **NO**_____ N/A

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.
Executive Vice President / Registered Professional Geotechnical Engineer

Project Assignment:

Geotechnical Engineer / Principal In Charge

Name of Firm with which associated:

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

Years' experience with this Firm:

13 years (founded Gulf South in 2011);
31 years total (1993)

BFM Corporation, LLC | 2017 to present
Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Eustis Engineering | 1996 to 2001
Soil Testing Engineers, Inc. | 1993 to 1996

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

Other experience and qualifications: **Chad M. Poché, P.E. (continued)**

Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. ($14,000 (fee); 2022)

Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), 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, pile inspection, and concrete testing and inspection. ($10,000 (fee); 2019)

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)

Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.), Jefferson Parish, LA. Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings. ($17,500 (fee); 2014)

Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA. Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. ($8,500 (fee); 2015)

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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Associate Geotechnical Engineer/Field Engineer

Name of Firm with which associated:

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

Years' experience with this Firm:

2 years (joined Gulf South in 2022);
3 years total (2021)

Gulf South Engineering and Testing, Inc. | 2022 to present
TetraTech, Inc. | 2021 to 2022

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Bryson S. Beard, P.E., is an Associate Geotechnical Engineer/Field Engineer who serves as a Project Manager. He has performed geotechnical engineering analyses consisting of shallow and deep foundations, slope stability, TRS and sheetpile wall design, settlement, pavement design, etc., and has prepared engineering reports. Mr. Beard's experience in the field includes surface and subsurface soil sampling, water sampling, and soil classification. His work experience further includes core logging and oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. He is experienced with laboratory sample preparation and testing as well as air sampling and soil gas sampling.

Mr. Bryson recently passed his Louisiana Professional Engineering test and will be a noted P.E. for the State of Louisiana once he fulfills the apprenticeship requirements set forth by LAPELS.

Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. ($14,000 (fee); 2022)

TEC Professional Services Questionnaire

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

Barber Road Bank Stabilization, Paradis, St. Charles Parish, LA. Geotechnical engineering services for portions of the road that have failed or are failing into the ditch along Barber Road in Paradis, LA. Gulf South's scope includes drilling five borings (depth of 40 feet below ground surface), laboratory testing, engineering analyses (slope stability analyses, pavement design) and general construction procedures and recommendations. ($12,000 (fee); 2022)

Geotechnical Exploration Proposal: Off System Road Bridge Replacement, Lock No. 2 Road, St. Tammany Parish, LA. Geotechnical engineering services for the project which consists of the construction of a replacement bridge across an existing canal off Lock No. 2 Road in St. Tammany Parish, LA. The new bridge will be pile supported and designed in accordance with Louisiana DOTD standards. The scope of services included subsurface exploration, associated geotechnical laboratory testing, and engineering services based upon project requirements. Gulf South's scope includes field exploration (drilling of soil borings), laboratory testing, engineering analyses (pile load capacities, settlement estimates, flexible pavement design recommendations, sieve analyses of stream bed soils) and general construction procedures and recommendations. ($12,500 (fee); 2022)

Brewster Road/LA 1077 Drainage Improvements, Madisonville, St. Tammany Parish, LA. Geotechnical engineering services for drainage improvements at the existing parish canal off LA-1077 and Galatas Road in Madisonville, St. Tammany Parish, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet (2 locations) and 30 feet (3 locations) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. ($20,000 (fee); 2022)

E. Minnesota Park Roundabout Study (Minnesota Park Rd. and S. Range Rd.), Hammond, Tangipahoa Parish, LA. Geotechnical engineering services for the construction of a new paved roundabout roadway intersection at Minnesota Park Road and S. Range Road in Hammond, LA. Gulf South's scope includes drilling five undisturbed soil borings each to a depth of 10 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations for Rigid or Flexible pavements. ($8,500 (fee); 2023)

New Roundabout (Lowes Ave at LA Hwy 44), Gonzales, Ascension Parish, LA. Geotechnical engineering services for the construction of a paved roundabout at the intersection of Lowes Avenue and Louisiana Highway 44 in Ascension Parish, LA. Gulf South's scope includes drilling four undisturbed soil borings (3 borings through existing pavement and 1 boring within an unpaved area) to depths of 10 feet below the ground surface, pavement coring, traffic control, laboratory testing, engineering analyses and general construction procedures and recommendations. ($9,500 (fee); 2023)

Level Street Overlay, Town of Abita Springs, St. Tammany Parish, LA. Geotechnical engineering services for the mill and overlay of Level Street (overall length of approx. 10,000 ft.) in Abita Springs, LA. Gulf South's scope of services included drilling 10 undisturbed soil borings to depths of four feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. ($4,500 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Laboratory Manager; Laboratory Technician

Name of Firm with which associated:

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

Years' experience with this Firm:

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

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

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. ($14,000 (fee); 2022)

Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf

TEC Professional Services Questionnaire

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

South's scope of services included vibration monitoring, bedding and backfill testing, compaction/ density tests, pile inspection, and concrete testing and inspection. ($10,000 (fee); 2019)

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)

West Esplanade Avenue Restoration (Tartan Drive to Haring Road), 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)

Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.), Jefferson Parish, LA. Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings. ($17,500 (fee); 2014)

FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA. Perform asphalt and roadway testing and inspection as requested. ($15,000 (fee); 2014)

FEMA Submerged Roads Program (CMT): 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)

Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA. Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. ($8,500 (fee); 2015)

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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Construction Services Manager

Name of Firm with which associated:

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

Years' experience with this Firm:

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

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

ACI-I Field Technician (since 1991; No. 929012)
Certified Engineering Technician (since 1992)
Nuclear Gauge Safety Training (since1994; No. 061321)
Pile Driving Analyzer/CAPWAP, OSHA 40 HAZWOPER

Other experience and qualifications relevant to the proposed Project:

Eric A. Paille, C.E.T., ACI, serves as Gulf South's Construction Services Manager as well as the manager of our Gonzales office. He has experience as a technician, inspector, and testing manager, and is knowledgeable in all aspects of construction materials testing and construction inspection. Mr. Paille has performed all applicable field and soil tests over the past 30+ years. In addition, he is certified in the safe use and handling of the nuclear density gauge. He received PDA training in 2003 and has knowledge of PDA testing along with significant experience with pile driving analyzers. Mr. Paille is one of the most knowledgeable people in our industry.

Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA. Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. ($8,500 (fee); 2015)

TEC Professional Services Questionnaire

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

FEMA Submerged Roads Program (CMT): 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)

FEMA Submerged Roads Program (CMT): Phase 4, Metairie, Jefferson Parish, LA. Project consisted of the construction of new paving and roadways for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing concrete and asphalt testing and inspection, and earthwork testing and inspection including soil sampling and field density tests. ($7,500 (fee); 2015)

FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA. Perform asphalt and roadway testing and inspection as requested. ($15,000 (fee); 2014)

New Orleans Streets Program (RR 010), Broadmoor Group A, City of New Orleans LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. ($54,081 (fee); 2020)

MLK Boulevard, Claiborne to St. Charles Avenue (DPW573), City of New Orleans, LA. Gulf South is providing construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. ($52,000 (fee); 2023)

West End Group B (RR194), New Orleans, LA. Gulf South is provided construction materials testing and inspection during construction of the Mid City Group B Project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. ($21,691 (fee); 2023)

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)

Central City Group A (RR021), City of New Orleans, LA. Gulf South is providing construction materials testing and inspection during construction of the Central City Group A Project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. ($49,062 (fee); 2023)

St. James Road Program 2023 (Nicole Street), Paulina, St. James Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests and asphalt inspection. ($7,220 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Ian Kerner Poché, ACI
Assistant Laboratory Supervisor

Project Assignment:

Assistant Laboratory Supervisor

Name of Firm with which associated:

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

Years' experience with this Firm:

7 years (joined Gulf South in 2017);
7 years total (2017)

Gulf South Engineering and Testing, Inc. | 2017 to present

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

ACI Concrete Field Testing Technician - Grade 1 (exp 2028 03)
ACI Aggregate Testing Technician - Level 1 (exp 2029 02 27)

Other experience and qualifications relevant to the proposed Project:

Ian Poché has worked in Gulf South's laboratory for several years and has experience with virtually every type of soil test. He has also helped when needed in the CMT department and has concrete testing experience, and is an ACI-certified Concrete Field Testing Technician.

Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. ($14,000 (fee); 2022)

Kinler & Paul Fredrick Street Drainage Improvements, Luling, St. Charles Parish, LA. Geotechnical investigation for paved and/or reconstruction of Kinler and Paul Frederick Streets in Luling in St. Charles Parish, LA. Scope included drilling a total of 10 undisturbed soil borings for the project (5 borings within each roadway; 10 feet bps). Geotechnical laboratory testing was performed on selected samples collected during the exploration in accordance with appropriate ASTM standards; this included strength tests (unconfined and/or triaxial) and classification tests (Atterberg Limits and/ or particle size). Following the collection of the field and laboratory data, a geotechnical engineer performed the evaluations necessary to characterize the subsoil conditions of the site and develop the engineering recommendations and analyses. This included current pavement materials and thicknesses, flexible pavement design recommendations, and general construction procedures and recommendations. ($7,500 (fee); 2022)

TEC Professional Services Questionnaire

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

New Orleans Streets Program (RR 010), Broadmoor Group A, City of New Orleans LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. ($54,081 (fee); 2020)

Geotechnical Exploration Proposal for the Lafreniere Park Healthtrack, Metairie, Jefferson Parish, LA. Gulf South was selected to provide a Geotechnical Exploration for the project site which consists of the reconstruction of the existing exercise walkway and the addition of approximately 1,000 feet of new walkway at Lafreniere Park in Metairie, LA. The existing walkway is approximately 2.5 miles long and will consist of the removal and reconstruction of the pavement and base using an asphalt paved section. The new section will consist of a concrete paved walkway. Gulf South's scope of work includes subsurface exploration, associated geotechnical laboratory testing, and engineering services based upon outlined project requirements. ($12,000 (fee); 2022)

Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, LA. Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report. ($48,000 (fee); 2024)

Geotechnical Exploration Report for New Fire Station 18, Metairie, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the construction of a new first station facility (Fire Station No. 18) (with associated parking and driveways) at 3222 Melville Dewey drive in Metairie, Louisiana. The study included drilling soil test borings and the performance of soil mechanics laboratory tests to evaluate the soil's physical characteristics. Engineering analyses were made and based on the field and laboratory test data to develop recommendations for the project. Scope included drilling three undisturbed soil borings to depths of 70 feet and 8 feet below the pavement surface. Soil testing consisted of natural moisture content, unit weight, Atterberg limits, and unconfined strength testing. The analyses and recommendations presented in the report provided recommendations for design and construction of the building and parking & roadway surfaces. ($8,500 (fee); 2023)

New Building and Paved Areas, Jefferson Parish Transit Facility, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new two-story (7,300 sf) building located at 1118 David Drive in Kenner, LA. Field investigation included drilling four undisturbed soil borings (depths below the ground surface of 60 ft for the new building and 10 feet for the new paved area) and sampled on 5 foot centers. Laboratory testing included strength tests, classification tests, with other testing as appropriate. Geotechnical engineering evaluation characterized the subsoil conditions of the site and developed engineering recommendations and analyses (allowable soil bearing values, allowable pile load capacities, estimate of settlement, pavement design, and general construction procedures and recommendations. ($8,900 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Brandon A. Paille, ACI
Construction Materials Testing (CMT) Supervisor/Project Manager

Project Assignment:

Construction Materials Testing (CMT) Supervisor/Project Manager

Name of Firm with which associated:

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

Years' experience with this Firm:

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

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

APNGA Nuclear Gauge Safety
ACI Field Technician Level 1
OSHA Safety Training – 8 hr.

Other experience and qualifications relevant to the proposed Project:

Brandon A. Paille, ACI has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, hydrometers, Atterberg limits, organic contents, moisture contents, proctor compaction tests, sieve analyses, as well as extrusion of samples. Mr. Paille's field experience includes soil inspection and testing consisting of nuclear density testing, soil boring logging, concrete testing and inspections, timber and precast pile logging and vibration monitoring. In Mr. Paille's years in the construction materials testing industry, he has obtained a vast amount of knowledge and experience which makes him an integral part of our Gulf South Team.

St. James Road Program 2023 (Nicole Street), Paulina, St. James Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests and asphalt inspection. ($7,220 (fee); 2023)

FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA. Perform asphalt and roadway testing and inspection as requested. ($15,000 (fee); 2014)

FEMA Study - Flood Damaged Roads (Parish-Wide), Ascension Parish, LA. Gulf South performed over 30 pavement cores to measure in place base and surface material types and thickness, and collected samples for testing. The firm further performed laboratory analyses and engineering evaluation to determine the effects of flooding and submerged time on various base types. ($20,000 (fee); 2017)

TEC Professional Services Questionnaire

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

Submerged Roads Program: District 5, Project 1, Jefferson Parish, LA. Gulf South performed asphalt testing and inspection as instructed by the client. ($12,000 (fee); 2013)

New North Terminal – Roads, Louis Armstrong New Orleans International Airport, LA. Gulf South performed field and laboratory testing during construction of various roads at the New North Terminal at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Gulf South provided QA oversight of the contractor for the owner for this $1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. ($250,000 (fee); 2019)

2015 Road Maintenance Project (Phase 2), Ascension Parish, LA. Gulf South performed inspection and field and laboratory testing during construction of road maintenance projects throughout Ascension Parish. These projects consisted of many roads and thousands of linear feet of new road sections. Scope of work included asphalt coring, thickness and density measurements, base course testing and inspection, and asphalt testing & inspection. ($31,000 (fee); 2016)

2015 Road Maintenance Project (ENG-15-001), Ascension Parish, LA. Gulf South performed inspection and field and laboratory testing during construction of the road maintenance projects throughout Ascension Parish. These projects consisted of many roads and thousands of linear feet of new road sections. Scope of work included asphalt coring, thickness and density measurements, base course testing and inspection, and asphalt testing & inspection. ($29,729 (fee); 2016)

2014 Road Maintenance Project, Ascension Parish, LA. Gulf South performed inspection and field and laboratory testing during construction of the road maintenance in Ascension Parish. ($65,000 (fee); 2015)

CNO Touro - Roads, Sidewalk and Curb, New Orleans, LA. Perform construction material testing and inspection during construction of the CNO Touro Roads, Sidewalk and Curb in New Orleans. 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. ($10,000 (fee); 2014)

FEMA Submerged Roads Program, Bayou St. John & Fairgrounds Neighborhoods, City of New Orleans, LA. Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thickness and material types). This investigation was for the Seventh Ward Neighborhoods in New Orleans, LA. Scope of work included drilling 8 pavement cores and 2 soil borings to a depth of 5 feet (2 in concrete, 4 in asphalt, 2 in combo. concrete/asphalt), performing laboratory testing, and providing engineering reports of our findings. ($7,786 (fee); 2014)

FEMA Submerged Roads Program, Florida Avenue Neighborhood, City of New Orleans, LA. Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thicknesses and material types). This investigation was for the Florida Avenue Neighborhood in New Orleans, LA. Scope of work included drilling 19 pavement cores and soil borings to a depth of 5 feet (13 in asphalt and 6 in concrete), performing laboratory testing, and providing engineering reports of our findings. ($20,945 (fee); 2013)

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, Louisiana **Hartman Engineering, Inc.** 527 W Esplanade Ave Ste 300 Kenner LA 70065 **B.K. Sneed**, 504-466-5667 bksneed@harteng.com	Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
June 2022	N/A	$14,000 (fee)

PROJECT NO. 2

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:**
January 2021	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:**	
Latigue Road Extension (Phase I; Live Oak Blvd. to Foundry Rd.), Jefferson Parish, Louisiana **ECM Consultants, Inc.** 4409 Utica Street Suite 200 Metairie LA 70006 **Sunina Shrestha, P.E.,** 504-885-4080 sshrestha@ecmconsultants.com	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.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
October 2018	N/A	$7,000 (fee)

PROJECT NO. 4		
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 **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:**
February 2015	N/A	$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
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 **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:**
December 2015	N/A	$7,500 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.), Jefferson Parish, Louisiana **Jefferson Parish** **Department of Engineering** 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123 **Ryan Breaux, P.E.**, 504-736-6514 rabreaux@jeffparish.net	Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2015	N/A	$17,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, Louisiana **Hatch Mott MacDonald** 650 Poydras Street, Suite 2025 New Orleans LA 70130 **Many Heymann, P.E.,** 504-799-0437 many.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:**
October 2015	N/A	$8,000 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Green Acres Road – New Street Lighting, Metairie, Jefferson Parish, Louisiana **Pivotal Engineering, LLC** 1515 Poydras St Ste 1875 New Orleans LA 70112 **Yoseph Shifare, P.E., PTOE, PMP** 504-799-3653 yshifare@pivotaleng.com	Geotechnical investigation for construction of a new street lighting along Green Acres Road (Airline Highway to West Metairie Boulevard) in Metairie, LA. Gulf South's scope includes drilling two undisturbed soil borings (depths of 24 ft), lab testing, and engineering analyses including subsoil properties, and general construction procedures and recommendations.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
February 2019	N/A	$4,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), Jefferson Parish, Louisiana **Perrin & Carter, Inc.** 3501 Ridgelake Drive Metairie LA 70002 **Georgia Dufresne**, 504-831-7958 gdufresne@perrincarter.com	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, pile inspection, and concrete testing and inspection.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
December 2019	N/A	$10,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, Louisiana **APTIM Environmental & Infrastructure, Inc.** 2424 Edenborn Avenue, Suite 450 Metairie LA 70001 **Gene Gillen**, 504-832-4878 gene.gillen@aptim.com	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.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
December 2019	N/A	$10,000 (fee)

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. *Gulf South Enginering and Testing, Inc. 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.

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

CRITERIA 1 | PROFESSIONAL TRAINING AND EXPERIENCE

Gulf South Engineering and Testing, Inc. (Gulf South) is a geotechnical engineering and construction materials testing and inspection company which began operations in 2011. Since that time, we have grown to two offices and nearly three dozen employees.

Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and 300 construction materials testing and inspection projects each year. These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection.

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

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.

TEC Professional Services Questionnaire

N. continued.

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. Further, 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 & inspection services for structures, earthwork, foundations, pipelines, and pavements. The range of services provided includes:

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

TEC Professional Services Questionnaire

N. continued.

- Concrete testing and inspection
- Soil testing (field and laboratory)
- Asphalt testing
- Pile (driven & augercast) and shaft installation monitoring
- Load tests
- Earthwork/proof roll inspection
- Welding inspection
- Steel inspection
- Noise monitoring
- Prepare daily field reports and/or field books
- Maintain records per the client's directive

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

Please refer to our projects included in Item L and in our personnel listings in Item K for specific type project examples and an overview of our projessional experience with this project type.

CRITERIA 2 | **SIZE OF FIRM**

At over 30 employees, Gulf South has the appropriate number of employees and personnel for this project. We will complete our scope of services on time and within budget. Further said, Gulf South can readily meet the time and budget constraints for projects assigned to this contract. Our current workload is such that we can expeditiously complete projects for this contract.

CRITERIA 3 | **CAPACITY FOR TIMELY COMPLETION**

Activity is dependent on the scope of work as well as site access and conditions, however; typically soil borings can be started within one week of receiving notice to proceed with a final product delivered within 3 to 4 weeks of completing the borings. Gulf South's workload & scheduling, coupled with our headquarters being nearby, will allow for assignment of key personnel shortly after any project is assigned.

CRITERIA 4 | **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. 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.

CRITERIA 5 | **LOCATION OF THE PRINCIPAL OFFICE**

Gulf South Engineering and Testing has been headquartered in Jefferson Parish since beginning operations in 2011; our principal office is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner. We also maintain an office in Gonzales, LA.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 6 | LEGAL STATEMENT

As stated in Item M, Gulf South has had no litigation, past or present, with Jefferson Parish, nor any of our clients.

CRITERIA 7 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

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

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

Ben Lepine, Acting Director, Drainage Department, Jefferson Parish
(504-736-6751 | JPDrainage@jeffparish.net)

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

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

Michael B. Cooper, Parish President, St. Tammany Parish
(985-898-2362 | president@stpgov.org)

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

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

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

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

Title: Executive Vice President **Date:** June 20, 2024

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provision of Routine Engineering Services for

Streets Projects in Jefferson Parish

SOQ **24-021** | Resolution No. **144319**

B. Firm Name & Address:

BFM Corporation, LLC

15 Veterans Memorial Boulevard | Kenner LA 70062

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

Ralph P. Fontcuberta, Jr., PLS, Executive Vice President
504-468-8800 | 504-468-8800 cell | ralph@bfmcorporation.com
Registered Professional Land Surveyor (**Louisiana No. 4329; since 1974**)

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

Ralph P. Fontcuberta, Jr., PLS, Executive Vice President
504-468-8800 | 504-468-8800 cell | ralph@bfmcorporation.com
Registered Professional Land Surveyor (**Louisiana No. 4329; since 1974**)

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

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	1	Land Surveyor (*Apprentice*)		Grant/Funding Specialist
	Electrical Engineers		Mechanical Engineers		Sanitary Engineers
	Engineer Intern		Environmental Engineers	1	*Researcher/Archivist*
2	Professional Land Surveyors			3	*CADD Technicians*
				6	*Survey Crew Chief*
				6	*Survey Crew Instrumentman*
				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.

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

YES_____ **NO**_____ N/A

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Ralph P. Fontcuberta, Jr., PLS
Executive Vice President / Registered Professional Land Surveyor

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

42 years (Founding Principal of BFM in 1982);
57 years total (1967)

Gulf South Engineering and Testing, Inc. | 2017 to present
BFM Corporation, LLC | 1982 to present
Surveys, Inc. | 1967 to 1982
The Boeing Company | 1964 to 1967

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

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

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

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

- West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA
- Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, LA
- Lapalco Boulevard Survey Update, Jefferson Parish, LA
- West Napoleon Avenue Extension (Highway Park Subdivision), Jefferson Parish, LA
- Bonnabel Boulevard Bike Path, Metairie, Jefferson Parish, LA
- Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA
- Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA
- Barataria Boulevard Right Turn Lane, Jefferson Parish, LA
- Hollygrove Group E (RR065) Route Topographic Survey, Jefferson Parish, LA
- Veterans Memorial Boulevard Route Topographic Survey, Jefferson Parish, LA
- Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA
- Jefferson Highway to Charlotte Drive Route Topographic Survey, River Ridge, Jefferson Parish, LA
- Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA
- Soniat Canal Timber Bulkhead Replacement Route Topographic Survey, Jefferson Parish, LA
- Highway 90 Route Topographic Survey, Jefferson Parish, LA
- Bissonet Plaza Drainage Improvements (Phase 1, Elmwood & Craig Ave), Jefferson Parish, LA
- Transcontinental Drive (North Bound; W. Metairie to Veterans), Metairie, Jefferson Parish, LA
- Earhart Expressway - Proposed Lead Street On/Off Ramps, Jefferson Parish, LA
- Latigue Road Extension, Supplemental Services, Jefferson Parish, LA
- Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, LA
- Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA
- Ames Boulevard Rehabilitation, Jefferson Parish, LA
- Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA
- Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA
- L&A Road Revision Survey, Jefferson Parish, LA
- Green Acres Road, Metairie, Jefferson Parish, LA
- Veterans Memorial Boulevard - Westbound, Jefferson Parish, LA

TEC Professional Services Questionnaire

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

- Manhattan Boulevard Widening, Harvey, Jefferson Parish, LA
- Hector Avenue Route Topographic Survey, Gretna, Jefferson Parish, LA
- Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA
- Little Farms Avenue, Jefferson Parish, LA
- David Drive Corridor Project, Metairie, Jefferson Parish, LA
- Latigue Road Extension, Jefferson Parish, LA
- Bissonet Plaza Project Surveying, Metairie, Jefferson Parish, LA
- 11th Street Rehabilitation, Harvey, Jefferson Parish, LA
- Harvey Canal Subdivision Drainage Project, Harvey, Jefferson Parish, LA
- Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard), Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Barataria Boulevard Turn Lane Project, Marrero, Jefferson Parish, LA
- Kenner Marketplace Survey Update, City of Kenner, LA
- South Jamie Boulevard, Avondale, Jefferson Parish, LA
- Route Topographic Surveying for Multiple Streets (VFW Area), City of Harahan, Jefferson Parish, LA
- David Drive Corridor, Jefferson Parish, LA
- Mounes Street Subsurface Drainage (Phase IV, Dickory to Elmwood Park), Jefferson Parish, LA
- Metairie Road & Johnson Street, Route Topographic Survey, Jefferson Parish, LA
- Cleary Avenue Survey Checks, Metairie, Jefferson Parish, LA
- Walter Road at Melrose Avenue, River Ridge, Jefferson Parish, LA
- 25th Street & Adjacent Canal, Gretna, Jefferson Parish, LA
- Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA
- Lapalco Boulevard Survey Update, Jefferson Parish, LA
- Earhart Expressway Roadway Light Improvements, Jefferson Parish, LA
- Labarre Road Railroad Crossing, Metairie, Jefferson Parish, LA
- Citrus Road Project, Route Topographic Survey, River Ridge, Jefferson Parish, LA
- DOTD H.008068, Peters Road Bridge and Extension Project (Phase 2), Jefferson Parish, LA
- Veterans Memorial Boulevard/Power Boulevard at the Soniat Canal, Jefferson Parish, LA
- Veterans Boulevard RTA Multi-Use Trail, Jefferson Parish, LA
- Airline Overpass Rehabilitation, Phase 2, Jefferson Parish, LA
- Citrus Boulevard Improvements (Dickory Ave to Elmwood Park Blvd), Metairie, Jefferson Parish, LA
- Severn Avenue (Veterans Boulevard to West Esplanade), Metairie, Jefferson Parish, LA
- Airline Drive at Clearview Parkway/Zinnia Ave. to Houma Blvd., Jefferson Parish, LA
- Franklin Avenue (Gretna) Right-of-Way Boundary Survey, Gretna, Jefferson Parish, LA

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Chad M. Poché, P.E.
Executive Vice President / Registered Professional Geotechnical Engineer

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

7 years (became partial owner of BFM in 2017);
31 years total (1993)

BFM Corporation, LLC | 2017 to present
Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Eustis Engineering | 1996 to 2001
Soil Testing Engineers, Inc. | 1993 to 1996

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

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

TEC Professional Services Questionnaire

Other experience and qualifications: **Chad M. Poché, P.E. (continued)**

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 & hydrographic 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. ($478,744 (fee); 2020)

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project. Scope included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. ($11,310 (fee); 2024)

Mounes Drive (Dickory to Elmwood Park), Jefferson Parish, LA. BFM provided a topographic survey for the Mounes Drive project, extending from Dickory to Elmwood Park Boulevard. The scope of services included establishing baseline, temporary benchmarks, and elevations, as well as boundary corners. Plotting of improvements and utility elements (sewer, water, drainage, etc.) was also included. ($88,930 (fee); 2017)

Ames Boulevard Rehabilitation, Jefferson Parish, LA. BFM executed a Route Topographic Survey (RTS); 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 included Ames Boulevard from the apparent right-of-way (R/W) at Lapalco Boulevard to the apparent R/W north of Happy Street; approximately 4,800 linear feet. ($82,500 (fee); 2019)

Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, LA. BFM executed a Route Topographic Survey of the Manhattan Boulevard southbound lanes from the West Bank Expressway to Gretna Boulevard; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Work consisted of multiple project elements over several years. ($77,733 (fee); 2018)

Transcontinental Drive (North Bound; W. Metairie Avenue to Veterans Boulevard), Metairie, Jefferson Parish, LA. BFM executed a Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. ($59,630 (fee); 2020)

Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. ($49,300 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Gary J. Lambert, Jr., PLS
Vice President / Registered Professional Land Surveyor

Project Assignment:

Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

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

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

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

2021, Professional Land Surveyor (Louisiana No. 5929)

Other experience and qualifications relevant to the proposed Project:

Gary J. Lambert, Jr., is a registered Professional Land Surveyor in Louisiana and provides Project Management and Drafting Oversight for BFM Corporation. He is the first point of contact for clients on technical matters, scheduling, and deliverables for project work, and conducts meetings with engineering, architectural, and government officials to discuss various project needs. His project work has encompassed all manner of surveying services, from basic home lots to 100+ acre tract boundary surveys.

In the field, Mr. Lambert has provided services as a Survey Crew Chief, using both traditional and robotic surveying methods, since the start of his professional career, and has experience with Leica, Hypack, AutoCAD, AutoCAD 3D, Trimble, and RTK surveying technologies. He further trains employees in the use of an aerial drone, laser scanner, and remote-controlled hydrographic survey boat. This survey experience includes topographic, boundary, ALTA/NSPS, FEMA, and various construction surveying. Mr. Lambert has also conducted hydrographic surveys in the Mississippi River and various other bodies of water throughout the Gulf Coast area.

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

TEC Professional Services Questionnaire

Other experience and qualifications: **Gary J. Lambert, Jr., PLS (continued)**

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. ($11,310 (fee); 2024)

Lapalco Boulevard Survey Update, Jefferson Parish, LA. BFM prepared a Site Specific Update Survey for the Lapalco Boulevard project, which built on previous BFM surveys for the location. The field survey recovered and verified the horizontal and vertical control (from previous BFM projects noted). Spot elevations were taken; existing improvements within the designated Limits of Survey were noted. The survey also located utilities, pipes (drainage, water, sewerage), and trees. For the update, BFM specifically located newly-installed steel power poles and steel transmission towers, as well as the structures fronting along Lapalco Boulevard. Project deliverables included comprehensive/updated physical and digital files combining all new & previous survey data. ($20,480 (fee); 2021)

Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent R/W (right-of-way) to apparent R/W along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. ($26,410 (fee); 2020)

Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA. A survey update was provided by BFM, which was a continuation of a previous surveying project executed by the company. The scope of work included updating or addition of topographic survey at the intersection of Vintage Drive and Power Boulevard, and shooting two cross sections along the canal adjacent to a proposed bridge location. BFM further located the waterline, new monument along Power Boulevard, and located the monument of Lot 7 and adjacent property line along Janice Street and Vintage Boulevard. ($11,390 (fee); 2019)

Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. ($49,300 (fee); 2018)

David Drive Corridor Project, Metairie, Jefferson Parish, LA. BFM executed a right-of-way service for this phase of the David Drive Corridor project. BFM has also provided surveying for other elements of the project, including a Route Topographic Survey. ($3,971 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Lemley
Field Operations Manager/Survey Crew Chief

Project Assignment:

Field Operations Manager/Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

10 years (joined BFM in 2014);
18 years total (2006)

BFM Corporation, LLC | 2014 to present
G.E.C., Inc. | 2010 to 2014
Krebs, LaSalle, LeMieux Consultants, Inc. | 2006 to 2010

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger
Louisiana Boater Education - Boating Safety Certificate
Norfolk Southern Roadway Worker Protection Contractor Safety Certificate

Other experience and qualifications relevant to the proposed Project:

Chris Lemley's services as BFM's Field Operations Manager includes overseeing all field work and activity by company personnel. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station. Notable past project work has included the New Orleans Museum of Art, Jackson Barracks Restoration, US Highway 11, NASA Michoud Cells 3 & 4, the St. Bernard Lot Next Door Program, and multiple Orleans Parish School Recovery projects (including L.B. Landry, George Washington Carver, and Alice M. Harte schools).

Citrus Boulevard Improvements, Jefferson Parish, LA. The project involved an Additional Route Topographic Survey; BFM provided surveying services for the Citrus Boulevard Improvements project, which extended from Dickory Avenue to Elmwood Park Boulevard. ($7,085 (fee); 2017)

Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA. BFM's surveying services involved the preparation of a Route Topographic Survey (FEMA) 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. ($41,135 (fee); 2017)

TEC Professional Services Questionnaire

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

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)

Manhattan Boulevard Widening, Harvey, Jefferson Parish, LA. BFM executed boundary and Right-of-Way takings surveying services for Manhattan Boulevard's southbound lanes, from the West Bank Expressway to Gretna Boulevard. ($21,150 (fee); 2018)

Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. ($49,300 (fee); 2018)

David Drive Corridor Project, Metairie, Jefferson Parish, LA. BFM executed a right-of-way service for this phase of the David Drive Corridor project. BFM has also provided surveying for other elements of the project, including a Route Topographic Survey. ($3,971 (fee); 2018)

Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, LA. BFM executed a Route Topographic Survey of the Manhattan Boulevard southbound lanes from the West Bank Expressway to Gretna Boulevard; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Work consisted of multiple project elements over several years. ($77,733 (fee); 2018)

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 & hydrographic 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. ($478,744 (fee); 2020)

Richard Street Surveys, Gretna, Jefferson Parish, LA. BFM provided surveying services to recover temporary benchmarks (TBMs) at Richard Street, and re-establish vertical TBM control for the Fourth Street Extension. ($4,520 (fee); 2016)

Latigue Road Extension, Jefferson Parish, LA. BFM executed surveying services related to the Latigue Road Extension project; this included surveying for a right-of-way acquisition. This was phase I of the project for the proposed extension from Foundry Road to Live Oak Boulevard. ($8,896 (fee); 2015)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Project Management Support

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

16 years (joined BFM in 2008);
17 years total (2007)

BFM Corporation, LLC | 2008 to present
Delle Land Surveying | 2007 to 2008

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Phil Thayer serves as BFM's Procurement Director, providing proposal preparation and Project Management Support, having considerable experience in field surveying services, including ALTA/ as-built surveying, construction layout, boundary, topographic, cross-sections, GPS use, and numerous other surveying types.

Hector Avenue Route Topographic Survey, Gretna, Jefferson Parish, LA. BFM provided Route Topographic Surveying services 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. ($29,240 (fee); 2018)

Little Farms Avenue, Jefferson Parish, LA. BFM executed a Route Topographic Survey of Little Farms Avenue, from the Jefferson Avenue intersection to the Airline Drive Intersection. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. ($48,054 (fee); 2018)

Route Topographic Surveying for Multiple Streets (VFW Area), City of Harahan, Jefferson Parish, LA. BFM provided Route Topographic Surveying for roadway repair areas in the VFW Area in Harahan; street locations included portions of Kielman Street, VFW Boulevard, Marquette Street, & Prados Street. The work involved the preparation of a Route Topographic Survey for each project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. ($11,260 (fee); 2018)

TEC Professional Services Questionnaire

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

David Drive Corridor, Jefferson Parish, LA. Continuation of a previous Route Topographic Survey project, the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Part of Jefferson Parish PW No. 2013-026-RB. ($11,285 (fee); 2018)

Metairie Road & Johnson Street – Route Topographic Survey, Jefferson Parish, LA. BFM's survey work involved the preparation of a Route Topographic Survey (FEMA) 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. ($11,955 (fee); 2017)

Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA. BFM's surveying services involved the preparation of a Route Topographic Survey (FEMA) 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. ($41,135 (fee); 2017)

Veterans Memorial Boulevard, Clearview Parkway to Severn Avenue, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which encompassed approximately 8300 linear feet of Veterans Memorial Boulevard. This included median crossing (e.g., U-turns) and runs between Clearview Boulevard and Severn Avenue. ($31,384 (fee); 2016)

Latigue Road Extension, Jefferson Parish, LA. BFM executed surveying services related to the Latigue Road Extension project; this included surveying for a right-of-way acquisition. This was phase I of the project for the proposed extension from Foundry Road to Live Oak Boulevard. ($8,896 (fee); 2015)

Westwood Drive Rehabilitation, West Bank Expressway to Lapaclo Boulevard, Jefferson Parish, LA. BFM provided topographic surveying services from right-of-way to right-of-way, median, roadway, sidewalks, subsurface utilities, and cross-sections. ($50,770 (fee); 2014)

MacArthur Drive Interchange Improvements – Phase 1B, US 90 B/ I-910, Jefferson Parish, LA. BFM provided baseline control and additional topographic survey for revised alignment of proposed interchange. ($4,500 (fee); 2012)

Franklin Avenue (Gretna) Right-of-Way Boundary Survey, Gretna, Jefferson Parish, LA. BFM provided right-of-way boundary surveying services for Franklin Avenue between Stumpf Boulevard and the West Bank Expressway and the Franklin Street Utility Corridor. ($8,300 (fee); 2011)

Airline Park Boulevard, Jefferson Parish, LA. BFM provided topographic surveying services for the Airline Park Boulevard roadway project, which extended from West Metairie Avenue north to beyond Camphor Street. ($18,176 (fee); 2010)

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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

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

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

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. ($49,300 (fee); 2018)

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 & hydrographic 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. ($478,744 (fee); 2020)

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

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. ($11,310 (fee); 2024)

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)

DOTD H.971941.1, Severn Avenue Corridor, Metairie, Jefferson Parish, LA. BFM provided surveying services to locate potholes (SUE (subsurface utility engineering) potholing) in the corridor, which extended from Veterans Boulevard (north curb line) eastbound to West Esplanade Avenue (westbound south curb line). ($13,500 (fee); 2017)

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

Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA. BFM's surveying services included Route Topographic and Boundary Survey for the project, which was located at the Causeway Boulevard Overpass of Airline Drive. This was designated as Phase 3 of the Rehabilitation Project, which included Ramps 4, 5, and the Traffic Circle. Drone Surveying services were also included. ($68,090 (fee); 2020)

Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA. BFM Corporation executed a Route Topographic Survey for the Allo Street project area, which extended from 4th Street to 6th Street. A baseline was established along the centerline of Allo Street, with Temporary Benchmarks at each intersection along the route. Cross sections taken on a 25 ft. grid. Existing improvements were located within the designated Limits of Survey, as were visible above-ground and underground utilities, piping, and natural features including trees and shrubbery. ($12,855 (fee); 2019)

Labarre Road Railroad Crossing, Metairie, Jefferson Parish, LA. BFM executed a topographic survey with SUE (subsurface utility engineering) for the project. ($7,556 (fee); 2017)

DOTD H.008068, Peters Road Bridge and Extension Project (Phase 2), Jefferson Parish, LA. BFM's surveying services included the stakeout of parcel (No. 4-2) for the project. ($1,250 (fee); 2017)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician (AutoCADD Drafting Services)

Project Assignment:

CADD Technician (AutoCADD Drafting Services)

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

13 years (joined BFM in 2011);
33 years total (1991)

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

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Anthony Watson has experience as a draftsman/survey technician, having started his career as an intern with the Surveying Department of the City of Plano, Texas. His experience through the years includes manual and computer-aided drafting for a wide range of projects, ranging from small lot surveys to subdivisions to municipal treatment and private industrial plants. He has experience in all facets of surveying (boundary, topographic, ALTA/ACSM, plan & profile, etc.) in both drafting and field environments.

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

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM),

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

and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. ($11,310 (fee); 2024)

Lapalco Boulevard Survey Update, Jefferson Parish, LA. BFM prepared a Site Specific Update Survey for the Lapalco Boulevard project, which built on previous BFM surveys for the location. The field survey recovered and verified the horizontal and vertical control (from previous BFM projects noted). Spot elevations were taken; existing improvements within the designated Limits of Survey were noted. The survey also located utilities, pipes (drainage, water, sewerage), and trees. For the update, BFM specifically located newly-installed steel power poles and steel transmission towers, as well as the structures fronting along Lapalco Boulevard. Project deliverables included comprehensive/updated physical and digital files combining all new & previous survey data. ($20,480 (fee); 2021)

Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard), Jefferson Parish, LA. BFM provided surveying services for the Lapalco Boulevard Turn Lane project (JPPW 2017-048-RBP), which involved a westbound left turn lane to southbound Lapalco Boulevard. BFM's scope included a Route Topographic Survey of Lapalco Boulevard at Barataria Boulevard; the full scope plan & profile included all services, utilities, properties, elevations, cross sections, and items necessary to perform any and all engineering and construction work. The project site was subject to road closures during the survey and preliminary construction/preparation phase. ($46,854 (fee); 2018)

Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent R/W (right-of-way) to apparent R/W along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. ($26,410 (fee); 2020)

Jefferson Highway to Charlotte Drive Route Topographic Survey, River Ridge, Jefferson Parish, LA. BFM executed a Route Topographic Survey of the project area (Jefferson Highway to Charlotte Drive), which further involved the Midway Drive Drainage Improvements (Phase 2) project in River Ridge. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. ($19,135 (fee); 2020)

West Napoleon Avenue U-Turn Culvert Crossing Survey, Westgate Subdivision Drainage Improvements, Jefferson Parish, LA. BFM provided topographic surveying of a u-turn on West Napoleon Avenue, midway between Massachusetts Avenue and Mississippi Avenue. The project, which was part of the Westgate Subdivision Drainage Improvements project, also included 16 cross sections. Box culverts were also part of the project layout. ($4,941 (fee); 2011)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Curtis "Jay" Barrios
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

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

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Jay Barrios' surveying experience includes boundary, hydrographic, and topographic. He has been the Survey Crew Chief for thousands of projects and is one of the more experienced surveyors in the area. Further, Mr. Barrios has been involved on major transmission projects for Entergy and South Central Bell (AT&T).

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

Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere

Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. ($49,300 (fee); 2018)

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. ($11,310 (fee); 2024)

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 Corporation executed a Route Topographic Survey for the Allo Street project area, which extended from 4th Street to 6th Street. A baseline was established along the centerline of Allo Street, with Temporary Benchmarks at each intersection along the route. Cross sections taken on a 25 ft. grid. Existing improvements were located within the designated Limits of Survey, as were visible above-ground and underground utilities, piping, and natural features including trees and shrubbery. ($12,855 (fee); 2019)

Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA. BFM's surveying services included Route Topographic and Boundary Survey for the project, which was located at the Causeway Boulevard Overpass of Airline Drive. This was designated as Phase 3 of the Rehabilitation Project, which included Ramps 4, 5, and the Traffic Circle. Drone Surveying services were also included. ($68,090 (fee); 2020)

Bonnabel Boulevard Bike Path, Metairie, Jefferson Parish, LA. BFM provided surveying services for this bicycle path along Bonnabel Boulevard, extending from Veterans Memorial Boulevard to Lake Pontchartrain, in Metairie, LA. The scope included a Route Topographic Survey (plan only). ($37,590 (fee); 2020)

DOTD H.971941.1, Severn Avenue Corridor, Metairie, Jefferson Parish, LA. BFM provided surveying services to locate potholes (SUE (subsurface utility engineering) potholing) in the corridor, which extended from Veterans Boulevard (north curb line) eastbound to West Esplanade Avenue (westbound south curb line). ($13,500 (fee); 2017)

Manhattan Boulevard Right Turn Lanes, Jefferson Parish, LA. BFM prepared a topographic survey along the northbound lanes of Manhattan Boulevard from Gretna Boulevard to the South Frontage Road of the Westbank Expressway. ($29,420 (fee); 2008)

TEC Professional Services Questionnaire

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

PROJECT NO. 1		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **Department of Engineering** 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123 **Nolan Carreras**, 504-736-6515 ncarreras@jeffparish.net	BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
May 2024	N/A	$11,310 (fee)

PROJECT NO. 2		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
West Napoleon Avenue Extension (Highway Park Subdivision), Jefferson Parish, Louisiana **Linfield Hunter & Junius, Inc.** 3608 18th Street Metairie LA 70002 **Mark Annino**, 504-833-5300	BFM provided Route Topographic Surveying services for the West Napoleon Avenue Extension Project, located at the Highway Park Subdivision in Jefferson Parish. The Phase 1 Limits of Survey were noted to be from the apparent right-of-way to apparent right-of-way along the Airport Access Road, from and extend approximately 225 feet North and South from the projected centerline of West Napoleon Avenue.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
January 2021	N/A	$10,095 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Lapalco Boulevard Survey Update, Jefferson Parish, Louisiana **Hartman Engineering** 527 W Esplanade Ave Ste 300 Kenner LA 70065 **Jared Monceaux, P.E.,** 504-467-5667 jmonceaux@harteng.com	BFM prepared a Site Specific Update Survey for the project, which built on previous BFM surveys for the location. The field survey recovered and verified the horizontal and vertical control (from previous BFM projects noted). Spot elevations were taken; existing improvements within the designated Limits of Survey were noted. The survey also located utilities, pipes (drainage, water, sewerage), and trees. For the update, BFM specifically located newly-installed steel power poles and steel transmission towers, as well as the structures fronting along Lapalco Boulevard. Project deliverables included comprehensive/updated physical and digital files combining all new & previous survey data.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
January 2021	N/A	$20,480 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, Louisiana **Professional Engineering Consultants Corporation (PEC)** 3702 Bienville Avenue New Orleans LA 70119 **John Shires,** 504-345-4842 jshires@pecla.com	BFM executed a Route Topographic Survey of the Manhattan Boulevard southbound lanes from the West Bank Expressway to Gretna Boulevard; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Work consisted of multiple project elements over several years.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
January 2021	N/A	$77,733 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Cousins Boulevard Extension Project, Harvey, Jefferson Parish, Louisiana **Digital Engineering** 527 W Esplanade Ave Ste 200 Kenner LA 70065 **Frank T. Liang, P.E.,** 504-468-7515 fliang@deii.net	BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
August 2018	N/A	$49,300 (fee)

PROJECT NO. 6		
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 Corporation provided Route Topographic Surveying for this Drainage Evaluation Project (PW 2018-024-DR) in Jefferson Parish. The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent R/W of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
May 2020	N/A	$18,350 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
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 **Dr. Babak Naghavi, P.E.,** 504-962-9212 bnaghavi@hardestyhanover.com	BFM Corporation provided extensive surveying services for a topographic & hydrographic 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.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
September 2020	N/A	$478,744 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard), Jefferson Parish, Louisiana **Burk-Kleinpeter, Inc.** 4176 Canal Street New Orleans LA 70119 **Mark K. Roberts, P.E.,** 504-486-5901 mroberts@bkiusa.com	BFM provided surveying services for the Lapalco Boulevard Turn Lane project (JPPW 2017-048-RBP), which involved a westbound left turn lane to southbound Lapalco Boulevard. BFM's scope included a Route Topographic Survey of Lapalco Boulevard at Barataria Boulevard; the full scope plan & profile included all services, utilities, properties, elevations, cross sections, and items necessary to perform any and all engineering and construction work. The project site was subject to road closures during the survey and preliminary construction/preparation phase.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
April 2018	N/A	$46,854 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, Louisiana **GEC, Inc.** 8282 Greenwood Boulevard Baton Rouge LA 70806 **Jerome Lohman,** 225-612-3000	A survey update was provided by BFM, which was a continuation of a previous surveying project executed by the company. The scope of work included updating or addition of topographic survey at the intersection of Vintage Drive and Power Boulevard, and shooting two cross sections along the canal adjacent to a proposed bridge location. BFM further located the waterline, new monument along Power Boulevard, and located the monument of Lot 7 and adjacent property line along Janice Street and Vintage Boulevard.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
April 2019	N/A	$11,390 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	**Nature of Firm's Responsibility:**	
Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, Louisiana **H. Davis Cole & Associates, Inc.** 1340 Poydras Street Suite 1850 New Orleans LA 70112 **David Martin, P.E.,** 504-836-2020	BFM prepared a topographic survey of the project site for the Metairie Road Smart Growth Program. This included Metairie Road beneath the Causeway Boulevard Overpass. BFM established a baseline parallel to Metairie Road, set up two temporary benchmarks (TBMs), and located all existing improvements. Cross sections for the project area were taken on a 25 ft. grid within established limits.	
Completion Date (Actual or estimated:)	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
May 2019	N/A	$12,660 (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 EXPERIENCE

Established in 1982, **BFM Corporation, LLC, Professional Land & Hydrographic Surveying,** provides services to public & private concerns throughout Louisiana and the Gulf South. For over 40 years, BFM has provided surveying services covering all facets of engineering, construction, and forensics; topographic, and hydrographic, as well as drone-based surveying and high-definition laser scanning.

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

Our capabilities include the following and more:

- Topographic Surveying
- Drone Surveying
- Photogrammic & LiDAR and 3D Laser Scanning
- Bathymetric / Hydrographic Surveys
- Property, Boundary, and Right-of-Way Surveys
- Maps, Cross-Sections, & Data Sets; Benchmarks

TEC Professional Services Questionnaire

N. continued.

- Construction-Related Surveying and 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 allowing BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

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

When needed, BFM provides **bathymetric surveying** to handle **any hydrographic surveying tasks.** For large rivers and bodies of water, we are 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. We use Hypack Software to process collected data. Further, BFM can execute multi-beam scans, side scans and magnetometer surveys upon request.

Please refer to our projects included in Item L and in our personnel listings in Item K for specific type project examples and an overview of our surveying experience with this project type.

CRITERIA 2 | **SIZE OF FIRM**

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

TEC Professional Services Questionnaire

N. continued.

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 3 | **CAPACITY FOR TIMELY COMPLETION**

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

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

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

Gary J. Lambert, Jr., PLS, Vice President is a **registered Professional Land Surveyor** and provides Project Management & Drafting Oversight and is the first point of contact for clients on technical matters. He meets with engineering, architectural, and government officials to discuss various project needs.

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

CRITERIA 4 | **PAST PERFORMANCE ON PARISH CONTRACTS**

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

As noted, Mr. Fontcuberta has **over half a century of professional land surveying experience,** including over 40 years with BFM. **He has provided professional surveying services for thousands of projects for and throughout Jefferson Parish.**

TEC Professional Services Questionnaire

N. continued.

CRITERIA 5 | LOCATION OF THE 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 6 | LEGAL STATEMENT

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

CRITERIA 7 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

For over 40 years, BFM Corporation has completed thousands of projects throughout Jefferson Parish and Southeast Louisiana, both to municipal and various private clients, similar to the project at hand, not to mention other drainage projects in a wide range of sizes, from small lot to Parish-wide endeavors. **Multiple examples of this work are included throughout this form in both the Personnel Résumés section (Item K) and Representative Project Work (Item L).** 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 Dept.
(504-736-6783 | JPPW@jeffparish.net)

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

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

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

Ben Lapine, Acting Director, Department of Drainage, Jefferson Parish
(504-736-6661 | JPSewerage@jeffparish.net)

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

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

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

Title: Executive Vice President **Date:** June 20, 2024