ECM

STATEMENT OF QUALIFICATIONS
Routine Engineering Services for Sewer Projects
SOQ No. 22-010
Resolution No. 138812
Jefferson Parish, Louisiana

Submitted To:
Jefferson Parish Council
Attn: Eula Lopez, Parish Clerk
General Government Building
200 Derbigny Street, Suite 6700
Gretna, LA 70053

Submitted By:
ECM Consultants, Inc.
1301 Clearview Parkway, Suite 200, Metairie, Louisiana 70001
Telephone: 504-885-4080 • Fax: 504-885-1439
kazem@ecmconsultants.com

In Association with:
BFM Corporation, LLC
Gulf South Engineering and Testing, Inc.

March 25, 2022

ECM Consultants, Inc.

Engineers • Architects • Construction Managers

Email: mail@ecmconsultants.com Web: www.ecmconsultants.com

1301 Clearview Parkway, Suite 200
Metairie, LA 70001
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March 25, 2022

Jefferson Parish Council
General Government Building
200 Derbigny Street, Suite 6700
Gretna, LA 70053

Re: **Routine Engineering Services for Sewer Projects in Jefferson Parish**
Resolution No. 138812 | SOQ 22-010

Jefferson Parish Council:

ECM Consultants, Inc. (ECM) is pleased to submit one (1) original electronic copy of our Statement of Qualifications in response to your Request for Qualifications for the subject project. ECM Consultants, Inc. is an established, Metairie-based engineering firm highly qualified to provide professional services for sewer projects in Jefferson Parish.

ECM has provided services including studies, evaluations, engineering design, preparation of plans and specifications, construction administration, and resident inspection services for numerous sewer-related projects from conception through construction. Our professional services questionnaire will demonstrate that our key personnel have extensive, relevant experience and are highly qualified to perform the required services.

Our team includes BFM Corporation, LLC for surveying services and Gulf South Engineering & Testing, Inc. for geotechnical services. Both firms are local and have extensive experience in their respective fields.

Thank you for your time in reviewing our qualifications. We hope our interest will receive favorable consideration. Should you have any questions or require any additional information, please contact me.

Sincerely,

Kazem Alikhani, P.E.
Chief Executive Officer

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Letter of Interest and Statement of Qualifications
Routine Engineering Services for Sewer Projects
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Section 1

ECM Consultants, Inc.

TEC Professional Services Questionnaire

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Engineering Services for Sewer Projects in Jefferson Parish
Resolution No. 138812 | SOQ 22-010

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

ECM Consultants, Inc.
1301 Clearview Parkway, Suite 200
Metairie, LA 70001

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

Principal:
Ujjal DasGupta, P.E., President
Louisiana Licensed Professional Engineer
P.E. License No. 19849
Tel: (504) 885-4080 Fax: (504) 885-1439
Email: ujjal@ecmconsultants.com

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

Professional in Charge of Project:
Sunina Shrestha, P.E., Engineering Manager
Louisiana Licensed Professional Engineer
P.E. License No. 37901
Tel: (504) 885-4080 Fax: (504) 885-1439
Email: sshrestha@ecmconsultants.com

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

8 Administrative	0 Estimators	0 Specification Writers
1 Architects (Licensed)	0 Geologists	2 Structural Engineers
0 Chemical Engineers	0 Geotechnical Engineers	___ Graduate Engineers
12 Civil Engineers	0 Interior Designers	4 Project Managers
25 Construction Inspectors	0 Landscape Architects	0 Clerical
0 Ecologists	0 Land Surveyor	1 Grant/Funding Specialist
1 Electrical Engineers	2 Mechanical Engineers	0 Sanitary Engineers
2 Engineer Intern	0 Environmental Engineers	
1 Professional Land Surveyors	3 CAD Technicians	**62 TOTAL**

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

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

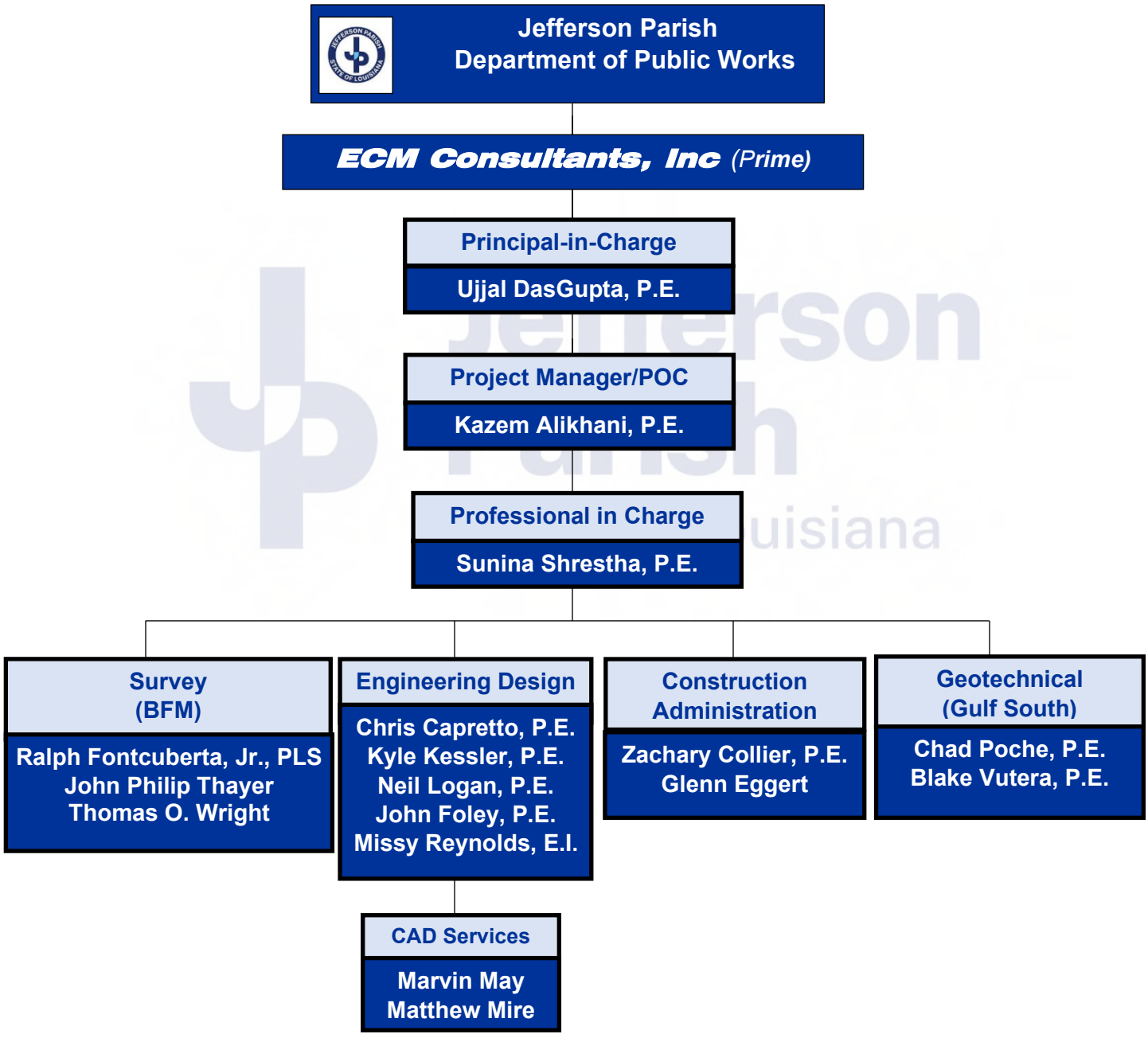
G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas ofresponsibility (including administrative, technical, and financial) for each firm. Please attachadditional pages if necessary.
1. N/A
2. N/A
H. Has this JOINT-VENTURE previously worked together? Please check: YES__NO _____ N/A

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. BFM Corporation 15 Veterans Memorial Boulevard Kenner LA 70062	Surveying Services	Yes
2. GULF SOUTH ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants 2201 Aberdeen St. Kenner, LA 70062	Geotechnical Engineering	Yes
3.		

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

ECM TEAM ORGANIZATION CHART



PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Sunina Shrestha, P.E., Engineering Manager
Project Assignment:
Professional-in-Charge
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
14
Education: Degree(s)/Year/Specialization:
M.S./2008/Civil Engineering
Active registration: Year first registered/discipline:
2013/Civil Engineering/LA License No. 37901
Other experience and qualifications relevant to the proposed Project:

Ms. Shrestha has **16 years of experience** in study, analysis, engineering design and preparation of plans, specifications and estimates (PS&E) for **sewer improvement projects** involving gravity mains, lift stations and force mains for clients including Jefferson Parish, Sewerage and Water Board of New Orleans, and city of Kenner. Her experience also include design of roadway, bridges, drainage, water and, and water resources projects, GIS mapping, hydrologic and hydraulic analysis for canals and culverts, and site development. Ms. Shrestha is trained and experienced in the use of GIS (ArcView 9), HEC- RAS, HEC- HMS, SWAT, AutoCAD, AutoCAD Land Development, Civil 3D, SAP 2000, and WINSLAMM.

Employment History:

- ECM Consultants Inc., LA, *Civil Engineer (2009-to date)*
- UAH, *Graduate Research Assistant in Civil Engineering (2007)*
- RITI Consultancy Pvt. Ltd., Nepal, *Field Engineer (2005)*

The following are examples of her relevant experience:

Mid-City Area Sewer Collection System Rehabilitation, Sewerage and Water Board of New Orleans, New Orleans, LA: Ms. Shrestha provided design support for the rehabilitation of sewer lines in the Mid-City area for Sewerage and Water Board of New Orleans. Work included review evaluation reports, design sewer lines to ensure adequate capacity of the sewer lines after reviewing S&WB database, and preparation of construction plans using GIS (ArcView).

Rehabilitation of the 42nd and Erlanger Sewer Lift Station, City of Kenner Dept. of Public Works, Kenner, LA: Ms. Shrestha provided engineering design for this project involving design for removal and replacement of existing pumps and motors with all accessories, piping, and control panels to increase capacity at 42nd & Erlanger lift station from 375 gpm to 625 gpm. Project also included rehabilitation of existing wet well on the lift station.

Rehabilitation of Sewer Lift Station D8-3 (Purdue Drive & 37th Street), Jefferson Parish, LA: Ms. Shrestha provided engineering design services for new 8' dia about 20' deep sewerage fiber glass wet

projects consists of inspection for construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities.

New Causeway and West Esplanade Pump Stations, Jefferson Parish, LA: Mr. DasGupta is serving as Principal in Charge for the evaluation, engineering design and preparation of PS&E for a new sewer pump station to replace two existing pump stations. The project includes the pump station with two submersible pumps at 750 gpm at 30' TDH and installing over 600 L.F. of 12" PVC gravity lines, 20' below grade by directional drilling, new electrical service, controls, and SCADA system.

Capacity Upgrade for Plum Orchard Sewer Pump Station at Plum Orchard Avenue, S&WB of New Orleans, Orleans Parish, LA: Mr. DasGupta served as project manager for engineering design and preparation of plans and specifications and cost estimates (PS&E) for design of a new 500 gpm, aboveground duplex packaged lift station. Scope of work included design for an 8' diameter, 20' deep concrete wet well; pile foundations; concrete bottom slab and top slab; determination of pump size for increased flow; control system; temporary by-pass sewer system; modification of a section of 8" gravity sewer line for influent to lift station; manifold piping and over 100' of new 6" PVC force main from new lift station including check valve and gate valve with manholes; and tie in to the 6" existing force main to by-pass existing lift station.

Consolidated Expansion of the Marrero WWTP for Jefferson Parish Dept. of Sewerage: ECM provided structural and civil design services for this $18 million expansion project as a subconsultant to MWH. Mr. DasGupta supervised structural and civil design for a new clarifier, upgrades of belt press, and sludge disposal system.

Sewer Lift Stations and Force Main, City of Kenner Dept of Public Works, Kenner, LA: Mr. DasGupta served as Principal In Charge for this sewer system upgrade project. The project involved study and analysis of several major sewerage lift stations as well as design, preparation of construction documents and construction inspection for rehabilitation and upgrades of lift station no. 4309 involving new pumps, piping, and control for increased capacity of 4800 gpm, rehabilitation of the wet well, and a new 20" sewer force main.

Design of Four Sewerage Collection Systems in Lucy and Wallace Area, St. John the Baptist Parish Dept of Public Works, St. John the Baptist Parish, LA: Mr. DasGupta served as project engineer for this project. He was responsible for preparing application for CDBG funding for these four projects and all four projects were approved by the state and received grants. He was responsible for design, preparation of plans and specifications and estimates (PS&E) and resident inspection services for the four collection systems involving gravity lines, lift stations and force mains.

Rehabilitation of Sewerage Lift Stations of New Orleans Lakefront Airport, Orleans Levee District, New Orleans, LA: Mr. DasGupta served as overall project manager for this contract. After hurricane Katrina, ECM was awarded a contract to rehabilitate all nine existing lift stations which were severely damaged by flooding during the storm. Project scope included rehabilitation of nine lift stations including replacing pumps, electrical systems, control system and repair to lift station buildings as well as design of a new lift station with small, packaged treatment plant to discharge effluent to Intracoastal Navigational channel

Capacity Upgrades for McCoy Sewer Pump Station, Old Gentilly Road, S&WB of New Orleans, New Orleans, LA: Mr. DasGupta served as project manager for the design of a new 480 gpm duplex, belowground submersible package lift station to replace an existing lift station. The project involved structural design for installation an 8' diameter, over 20' deep polymer wet well supported on a thick concrete bottom slab on timber piles and concrete top slab for LS housing, piping, controls, etc. Design also included a steel sheet pile cofferdam for LS and sheeting, shoring, and bracing for installation of force mains and gravity influent lines; removal and replacement of over 150' of 8" PVC gravity lines with new manholes; new 6" PVC force main with check valve and gate valve to tie-in to existing; new electrical service with transformer tower; new SCADA systems; concrete paving and asphalt roadway paving restorations; fencing and removal of pumps, piping controls, etc.; and abandon existing LS plugging influent and discharge lines in the existing wet well.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Ujjal DasGupta, P.E., President
Project Assignment:
Principal
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
26
Education: Degree(s)/Year/Specialization:
B.S./1968/Civil Engineering
Active registration: Year first registered/discipline:
1982/Civil Engineering/LA License No. 19849

Other experience and qualifications relevant to the proposed Project:

Mr. DasGupta has over **51 years of experience** in project management, civil and structural engineering design, construction management, and construction quality assurance services. He has been responsible for design engineering and construction management services for many projects totaling over several billion dollars in costs for various local, state, and federal agencies. As Project Principal, Mr. DasGupta will be responsible for coordination and overseeing management of all engineering designs, preparation of plans and specifications and construction administration services. He has been involved in design and construction administration for a number of **sewer improvement projects** involving lift stations, force mains, gravity lines, and sewerage treatment plants for clients including Jefferson Parish, Sewerage and Water Board of New Orleans, Orleans Levee District, St. John the Baptist Parish, and Harrison County Waste Management District (MS).

Employment History:

- ECM Consultants Inc., LA, *President (1995-to date)*
- C&S Consultants, Inc., LA, *Vice President (1983-1995)*
- Pepper & Associates & Kiddie Consultants, LA, *Sr. Engineer (1980-1983)*
- McDermott, Inc., LA, *Sr. Structural Engineer (1980-1982)*
- Dunbar & Dickson, TX, *Project Engineer (1976-1980)*
- Public Works Department, India, *Assistant Engineer (1968-1976)*

The following are examples of his relevant experience:

Sewer System Evaluation and Rehabilitation Program (SSERP), Sewerage and Water Board of New Orleans: Mr. DasGupta supervised design, preparation of plans and specifications, and construction administration for sewer rehabilitation programs for the Gentilly, Lakeview, Mid-City, and CBD/French Quarter areas of New Orleans for sewer system rehabilitation and upgrades. The projects included in-situ lining, replacement of sewer pipes by pipe bursting, installation by open cut, and sewer manholes rehabilitation.

Rehabilitation of the 42nd and Erlanger Sewer Lift Station and the Rehabilitation of the 15th & Webster St. Lift Station, City of Kenner Dept. of Public Works, Kenner, LA: Mr. DasGupta served as Principal in Charge for this sewer rehabilitation project that included design for removal and replacement of existing pumps and motors with all accessories, piping, and control panels to increase capacity at 42nd & Erlanger lift station from 375 gpm to 625 gpm and at 15th & Webster lift station from 800 gpm to 1,200 gpm. Project also included rehabilitation of existing wet wells on both lift stations.

SSO Program, City of Baton Rouge/East Baton Rouge Parish-DPW, Baton Rouge, LA: Mr. DasGupta is serving as Principal in Charge for projects under the SSO Program. The scope of work for these ongoing

wall, lift station which will include NEMA premium submersible pumps, electrical system, emergency pump out and level controls for the new 37th Street and Purdue Lift Station. This project also includes 6" dia forcemains, restoration of roadways, sidewalks, and landscaping.

Rehabilitation of the 15th & Webster Lift Station, City of Kenner Dept. of Public Works, Kenner, LA: Ms. Shrestha provided civil engineering for this project involving design for removal and replacement of existing pumps and motors with all accessories, piping, and control panels to increase capacity 15th & Webster lift station from 800 gpm to 1,200 gpm. Project also included rehabilitation of existing wet well on the lift station.

Causeway and W. Esplanade Sewer Lift Stations, Jefferson Parish, LA: Ms. Shrestha provided civil engineering for this project consisting of detailed design plans, specifications and contract documents for the construction of a new sanitary lift station in Jefferson Parish. Scope of work includes redirected force main discharge, new control panel & SCADA system, 600 L.F. of 12" dia. directionally drilled gravity sewers, driveway and site paving, and abandonment of the Causeway N. & S. lift stations, miscellaneous civil, structural, mechanical, and electrical work.

Gravier Street Improvements (Between South Galvez and South Broad), City of New Orleans-DPW, New Orleans, LA: Ms. Shrestha provided civil engineering for this $5.2 million project which consisted of design, preparation of plans and specifications, and cost estimates (PS&E) for roadway reconstruction including storm drainage, sidewalk improvements, and water & sewer improvements. The project involved extensive coordination with the Sewerage and Water Board and other utility entities regarding both vertical and horizontal location of utilities. ECM provided all services required for topographic survey (through subconsultant), preparation of preliminary plans, final plans, specifications, construction administration, resident inspection services, and bid documents.

Napoleon Avenue Reconstruction, S&WB of New Orleans/US Army Corps of Engineers; New Orleans, LA: Ms. Shrestha provided civil engineering design for the $55 million reconstruction of Napoleon Avenue between South Claiborne Avenue and Carondelet Street in connection with construction of a drainage box canal at the median of Napoleon Avenue. The project included design and preparation of plans, specifications, and estimates for roadway removal and reconstruction; hydraulic analysis to determine size of catch basins and drain lines; replacement of all water and sewer mains, including service lines within the project limit; new subsurface drainage including tie-in of all culverts into new concrete box canal; and removal and reconstruction of sidewalks.

Lake Terrace and Oaks Group C, New Orleans, LA: Ms. Shrestha is serving as the project manager for this roadway reconstruction project that involves design and preparation of plans, specifications, and estimate (PS&E) for removal and replacement of PCC and asphalt roadway and H&H analysis for drain system design, removal and replacement of sewer lines including service lines within the project limit. She was also involved in coordination with S&WB, park and parkways and other utility entities.

Lake shore Group E, New Orleans, LA: Ms. Shrestha is serving as the civil engineer for this roadway reconstruction project that involves design and preparation of plans, specifications and estimate (PS&E) for removal and replacement of PCC and asphalt roadway and H&H analysis for drain system design, removal and replacement of sewer lines including service lines within the project limit. She was also involved in coordination with S&WB, park and parkways and other utility entities

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kazem Alikhani, P.E., Chief Executive Officer
Project Assignment:
Project Manager/POC
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
5
Education: Degree(s)/Year/Specialization:
M.S./1984/Civil, H&H Engineering; B.S./1980/Mechanical Engineering
Active registration: Year first registered/discipline:
1992/Mechanical & Environmental Engineering/LA License No. 25073
Other experience and qualifications relevant to the proposed Project:

Mr. Alikhani has over **41 years of experience** in public works projects including planning, design and construction management. He spent a majority of his career working with Jefferson Parish Dept. of Public Works and was the Director of Public Works, responsible for all public works functions and overseeing an annual operating budget of $200M and a capital budget of over $100 million. His public works oversight consisted of managing nine departments: drainage (canals, subsurface, pump stations), sewage (collection system and wastewater treatment plants), water (distribution and water treatment plants), streets (over 3,200 lane miles), parkways, environmental, Floodplain Management and Hazard Mitigation, engineering; Capital projects including planning, managing engineering and construction of capital project improvements.

He has planned, designed, managed numerous projects from inspection to completion including preparation of bids, evaluations, awards, and managed complex projects during construction. His experience also includes program management such as Southeast Louisiana Flood Protection Program (SELA), Road Bond Improvement Program, Sewer Capital Improvement Program, and many FEMA, HMGP, and CDBG-funded projects. Mr. Alikhani was the 2012 recipient for "Lifetime Achievement Excellence in Government" by the BGR.

Employment History:

- ECM Consultants, Inc., *Chief Executive Officer (2016-Present)*
- Jefferson Parish DPW, *Director of Public Works (2010-2016)*
- Jefferson Parish DPW, *Director of Drainage (2004-2010)*
- Jefferson Parish DPW, *Asst. Director of Water (1995-2004)*
- Jefferson Parish DPW, *Drainage Dept. Engr. (1982-1994)*
- Guillot & Vogt Engineering, *Engineer (1980-1982)*

The following are examples of his relevant experience:

SSO Program, City of Baton Rouge/East Baton Rouge Parish-DPW, Baton Rouge, LA: Mr. Alikhani is serving as Contract Manager for projects under the SSO Program. The scope of work for these ongoing projects consists of inspection for construction and/or rehabilitation of gravity sewers, force mains, wastewater pump stations, and wastewater treatment plant facilities.

Wastewater/Sewerage Improvement Projects: Under the Sewer Capital Improvement Program, Mr. Alikhani identified, planned and oversaw 66 projects totaling approximately $80 million for improvements to sewer systems. Mr. Alikhani helped secure more than $40 million in low interest loans through LADEQ programs, several hundred thousand dollars' worth of affiliated grants, and more than $7 million in federal funding. He planned and supervised engineering and construction for projects that included rehabilitation

and replacement of numerous sewerage lift stations, pump station, rehabilitation of gravity and force mains, and rehabilitation of primary clarifiers, odor control, belt presses, and trickling filters. Several projects under this LDEQ fund include Terrytown Sewerage Pump Station Improvements, East Bank WWTP Rehabilitation of Belt Presses; Jefferson Hwy. and Midway Sewage Lift Station Rehabilitation and Improvements; and design and installation of Odor Control Systems at various sewage lift stations.

Various Sewerage Projects, Jefferson Parish, LA (2015): As Director of Public Works, Mr. Alikhani oversaw all Jefferson Parish sewerage improvement projects including collection system design and upgrades, point repair and lining, rehabilitation and construction for lift stations, pump stations, gravity and force mains and wastewater treatment plant upgrades. A few projects included: Improvements to Effluent Pump Station at East Bank WWTP, rehabilitation of Marrero Primary Clarifier, Odor control system, new Rosethorne WWTP, rehabilitation of Causeway & W. Esplanade Lift Stations, gravity lines and force mains.

Potable Water Improvement Projects: As Assistant Director of the Department of Water for Jefferson Parish, Mr. Alikhani's prime responsibility was operations and maintenance of Water Infrastructure that included water distribution system and water treatment plants. During his tenure in the Water Department, he planned, budgeted and managed the expansion of the west bank water treatment plan. The project involved increasing the water treatment capacity by 25 MGD, that also included chemical feed and electrical system upgrade, replacement of filter media with multi media, air scour and SCADA system. Additionally, under his supervision, numerous new water lines were planned, designed and constructed to replace the old water lines with extensive repair history or install new water lines to eliminate dead end lines or loop the water lines to improve water quality.

Emergency Pump Out for All Lift Stations in Jefferson Parish, LA (2013): As Director of Public Works, Mr. Alikhani helped secure $4.7 million in grants from Hurricane Isaac CDBG Disaster Recovery funding and he oversaw all related design and construction. The projects under this grant included installation of emergency pump outs at all lift stations in Jefferson Parish, to be used during power outages.

Purdue & 37th Street Lift Station Upgrades, Jefferson Parish, LA (2016): As Director of Public Works, Mr. Alikhani managed this project that included designs for a new lift station to replace an existing lift station in order to resolve overflow issues that were occurring due to repeated equipment failure.

Harvey Wastewater Treatment Plant Trickling Filter Rehabilitation, Jefferson Parish, LA (2015): As Director of Public Works, Mr. Alikhani managed this project that included design and construction to remove and replace a center column, distribution systems and media, repair/replace underdrains as needed, and coat concrete tank to resolve LDEQ permit violations.

Suave Road. Pump Station Improvements, Jefferson Parish, LA: As Director of Public Works, Mr. Alikhani identified, planned, and oversaw engineering and construction for the neighborhood pump station in River Ridge, one of the first two Jefferson Parish owned drainage pump stations that discharge into the Mississippi River. The pump station included two axial flow pumps with capacity of 120 CFS with 100% backup generator and SCADA System. The discharge pipe was directionally bored from Jefferson Parish Hwy to the Mississippi River.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Christopher Capretto, P.E., Civil Engineer
Project Assignment:
Civil Design
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
B.S./2009/Civil Engineering
Active registration: Year first registered/discipline:
2014/Civil Engineering/LA License No. 38641
Other experience and qualifications relevant to the proposed Project:

Mr. Capretto has over **12 years of experience** in study, analysis, engineering design and preparation of plans, specifications and estimates (PS&E) for **sewer improvement projects** involving, gravity lines, lift stations and force mains for Jefferson Parish and SWBNO. His experience also include design of roadway, bridges, drainage, water projects as well project management and construction administration.

Employment History:

- ECM Consultants Inc., LA, *Civil Engineer (2014-to date)*
- Atlas Engineering, Inc./S&B Infrastructure, Ltd., *Civil Engineer (2008-2014)*

The following are examples of his relevant experience:

Causeway and W. Esplanade Sewer Lift Stations, Jefferson Parish, LA: Mr. Capretto provided civil engineering for this project consisting of detailed design plans, specifications and contract documents for the construction of a new sanitary lift station in Jefferson Parish. Scope of work includes redirected force main discharge, new control panel & SCADA system, 600 L.F. of 12" dia. directionally drilled gravity sewers, driveway and site paving, and abandonment of the Causeway N. & S lift stations, miscellaneous civil, structural, mechanical, and electrical work.

Gravier Street Improvements (Between South Galvez and South Broad), City of New Orleans-DPW, New Orleans, LA: Mr. Capretto provided engineering design support and construction administration services for this $5.2 million project which consisted of design for roadway reconstruction including storm drainage, water and sewer systems improvements. This project involved installation of 6" to 15" sewer lines, 20" water line and up to 48" drain lines. The project involved extensive coordination with the Sewerage and Water Board and other utility entities

Lift Stations Rehabilitation for F7-13B (Stefano & Wanda Lynn) and F7-12 (Grace King & Rockford) Lift Station Jefferson Parish, LA. Mr. Capretto provided design services and prepared PS&E for rehabilitation of these two lift stations. Lift Station F7-13B is located on the corner of Stefano Street and Wanda Lynn Drive on the East Bank of Jefferson Parish. The existing station had 3 pumps, but only one was operable. In addition, the station was subject to significant clogging issues, for which a maintenance crew had to pull the pump for cleaning on a daily basis. Similarly, Lift Station F7-12 is located on the corner of Grace King Place and Rockford Heights on the EB of Jefferson Parish. This station was composed of 2 pumps, which were both working; however, upgrades were needed. Scope of work for both the stations included the replacement of all existing submersible pumps with new pumps with premium efficiency motors and VFDs, as well as the removal and replacement of control panels, piping, valves and installation of new odor control units at each of the stations.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kyle Kessler, P.E., Civil/ Structural Engineer
Project Assignment:
Civil/Structural Design
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
B.S./2015/Civil Engineering
Active registration: Year first registered/discipline:
2014/Civil Engineering/LA License No. 32474
Other experience and qualifications relevant to the proposed Project:

Mr. Kessler is a registered professional Civil Engineer with more than **8 years** of engineering experience in Sewer, water, drainage, roads & bridges design, project coordination and construction administration. His project experience include design and preparation of plans, specifications, and estimates (PS&E) for sewer lift stations, drainage pump stations, roadway rehabilitation, bridges, drainage repair and enhancements and foundations for various structures. His duties and responsibilities for construction administration services include site inspections, submittal reviews, responding to RFIs, review of change order requests and attending progress meetings as part of construction phase services.

Employment History:

- ECM Consultants Inc, LA, *Junior Structural Engineer, (2020-to date)*
- Worley, *Civil Engineer. (2019-2020)*
- BKI, *Structural Engineering Intern (2015-2019)*
- DOTD, Engineering Student Worker, *(2014)*

Project Experience:

Improvements to the West Napoleon Ave Sewer Lift Station (F6-2), Jefferson Parish, LA:
As Project Engineer, Mr. Kessler is performing detailed design, and preparing plans, specifications, cost estimates estimate for the design of the F6-2 lift station improvements. Tasks include selection of new pumps, structural analysis for retrofitting new pumps in existing building, and foundation design for new electrical equipment. Upgrades include removal and replacement of existing pumps, removal and replacement of suction and discharge piping up to existing valves, blasting and painting existing piping to remain, removal and replacement of existing monorail crane hoist, installation of new access hatches, installation of new pile supported foundations for new generator and other electrical equipment, installation of new odor control, installation of new Emergency Pump Out (EPO) and installation of new driveway pavement.

Decommission and replacement of 37th street and Purdue Drive (D8-3) lift station, SCIP No. D5598, Jefferson parish , LA

Mr. Kessler is overseeing the lift station upgrades at 37th and Purdue providing construction engineering support. Tasks include review of submittals, coordination with contractor, inspector and owner, review of contractor's invoices and submitted quantities, and responding to RFIs. Upgrades at the 37th and Purdue lift station include construction of a new wet well and valve pit with pile supported foundation, installation of new pumps and sewer force main piping, directional drilling of new sewer force main from new lift station to existing manhole, installation of new odor control system, installation of new electrical for the new lift station, and removal and replacement of existing pavement, sidewalks and ADA ramps.

Metairie Court and Poplar Street (H8-1), and melody Drive and West Esplanade Avenue (G8-1) Sewer Lift station improvements,
Jefferson Parish, LA.

Mr. Kessler is preparing plans, specifications and cost estimate (PS& E) for the design of lift station improvements at stations H8-1 and G8-1. Tasks include analysis of wet well storage and cycle time requirements, analysis of required head and selection of new pumps, and design of new foundations. Upgrades at the H8-1 and G8-1 lift stations include removal and replacement of existing pumps, removal and replacement of sewer force main, piping and valves, directional drilling of new sewer force main, installation of new sewer force main aerial canal crossing, installation of new wet well and valve pit at G8-1, retrofitting new fiberglass wet well on top of existing slab at H8-1 and replacing existing influent gravity sewer line, installation of new odor control system, installation of new EPO, and removal and replacement of pavement.

Clearview lift station (F6-1) improvements,
Jefferson Parish, LA.

Mr. Kessler is preparing plans, specifications and cost estimate for the design of lift station improvements at station F6-1. Tasks include analysis of wet well storage and cycle time requirements, analysis of required head and selection of new pumps. Upgrades at this lift station include removal and replacement of existing pumps, removal and replacement of sewer force main piping and valves, installation of new odor control, installation of new EPO , and removal and replacement of pavement.

Transcontinental & Belle lift station (E8-1) improvements
Jefferson parish, LA

Mr. Kessler is preparing plans, specifications and cost estimate for the design of lift station improvements at station E8-1. Scope include analysis of wet well storage and cycle time requirements, analysis of required head and selection of new pumps, drilling of new sewer force main, and removal and replacement of pavement. Upgrades at the E8-1 lift station include removal and replacement of existing pumps, removal and replacement of sewer force main piping and valves, installation of new odor control and installation of new EPO.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Neil Logan, P.E., Senior Structural Engineer (Contract)
Project Assignment:
Structural Design
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
13
Education: Degree(s)/Year/Specialization:
B.S./1961/Civil Engineering
Active registration: Year first registered/discipline:
1974/Civil Engineer/LA License No. 14607
Other experience and qualifications relevant to the proposed Project:

Mr. Logan has over 57 years of experience as a structural engineer. His project experience includes major subsurface drainage culverts, drainage pumping stations, sewer treatment plant structures, lift stations, roadways, bridges, buildings, and industrial facilities. He has extensive experience in structural analysis and design of highway bridges conforming to AASHTO standards and LADOTD requirements.

Employment History:

- ECM Consultants Inc., LA, *Sr. Structural Engineer (Contract) (2001-to date)*
- N-Y Associates, *Structural Engineer (Contract) (1994-to date)*
- N-Y Associates, *Structural Engineer (1976-1991)*

The following are examples of his relevant experience:

Causeway and W. Esplanade Sewer Lift Stations, Jefferson Parish, LA: Mr. Logan provided structural design services for the pile supported 8' dia & 23' deep fiberglass wet well and a 8' dia fiberglass valve chamber including top and bottom concrete slabs.

Marrero Wastewater Treatment Plant Expansion, Jefferson Parish Department of Sewerage; Marrero, LA: Mr. Logan provided structural engineering services for this $18 million project involving expansion and WWTP upgrades. The project involved structural engineering designs and preparation of plans and specifications for the new clarifier, headworks, and pumping station structures.

Bridge City Sewerage Treatment Plant; Bridge City, LA: Mr. Logan served as senior structural engineer for the expansion of this treatment plant. Work included formulation of structural design criteria including materials for the three-person structural design crew. In addition, he designed the structure for the chlorine building, filter press building, effluent pumping station, clarifiers, trickling filter, and many miscellaneous structures.

Laplace Sewerage Treatment Plant, LaPlace, LA: Mr. Logan served as senior structural engineer for the expansion of this sewerage treatment plant. He provided structural designs for the clarifier, effluent pumping station, and other miscellaneous structures.

Sewerage Projects in Franklinton, LA: Mr. Logan designed the gravity collection system and eight pumping stations and forcemains for areas of Franklinton, Louisiana. The pumping stations ranged in capacity from 140 gpm to 1342 gpm.

Munster Sewerage Treatment Plant Expansion, Chalmette, LA: Mr. Logan served as structural project engineer for the expansion of this sewerage treatment plant. He provided engineering design for clarifiers, settling basins, and a new effluent pump station. He also provided construction phase services.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John Foley, III, P.E., Civil Engineer
Project Assignment:
Civil Engineer
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
B.S./2014/Civil Engineering
Active registration: Year first registered/discipline:
2018/Civil Engineering/LA License No. 42740
Other experience and qualifications relevant to the proposed Project:

Mr. Foley is a Registered Professional Engineer with **8 years** of experience designing LADOTD and public works projects including feasibility studies, environmental assessments, roadway, wastewater and drainage improvements.

Employment History:

- ECM Consultants Inc., Metairie, LA, *Civil Engineer (2019-to date)*
- Buchart Horn, Inc., Kenner, LA, *Project Engineer (2014-2019)*
- HNTB, Baton Rouge, LA, *Engineering Intern (2013-2014)*
- Louisiana State University, Baton Rouge, LA, Senior Design Project Manager and CAD Tech*, (2013-2014)*

The following are examples of his relevant experience:

Ridge Lake and 25th Street Lift Station, Jefferson Parish, LA. Mr. Foley provided engineering design and construction administration for the reconstruction of the Ridge Lake and 25th Street Sewer Lift Station, designated as Jefferson Parish Lift Station G7-8. The reconstructed lift station will have increased capacity and will include a new fiberglass wet-well, explosion-proof non-clog submersible sewer pumps, and electrical service and controls required for the new lift station. Restoration of all disturbed areas is included in the design.

South Wastewater Treatment Plant Gas Digester Piping System Replacement, City of Baton Rouge/Parish of East Baton Rouge, LA. Mr. Foley provided design services associated with the rehabilitation and replacement of the existing digester gas piping system at the South Wastewater Treatment Plant in Baton Rouge, LA. Surveying will include three-dimensional scanning technology and traditional topographic surveying. Rehabilitation and replacement includes replacement of existing gas safety equipment, condensate/sediment traps, low-pressure check valves, back pressure valves, flame arrestors, thermal shutoff valves, drip trap, manometers, and isolation valves, along with new motor-actuated condensate/sediment traps. The existing digester gas flow meters will be evaluated and replaced if necessary.

Transcontinental and West Metairie Sewer Lift Station Rehabilitation, Jefferson Parish, LA. Mr. Foley provided engineering design and construction administration to rehabilitate the Transcontinental and West Metairie Sewer Lift Station, designated as Jefferson Parish Lift Station E5-4. The rehabilitated lift station will have the same capacity as the original design. The design includes new explosion-proof non-clog submersible sewer pumps, electrical and controls required to restore the lift station to full functionality, and the restoration of all disturbed
areas.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Missy Reynolds, E.I., Project Manager
Project Assignment:
Engineering Design and management
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
B.S./1994/Civil Engineering
Active registration: Year first registered/discipline:
1995/Civil Engineering/ E.I. LA No. 16639
Other experience and qualifications relevant to the proposed Project:

Ms. Reynolds has over 27 years of experience in project management and engineering support for construction of roadways, water facilities, canals and drainage structures, and development projects. She has provided oversight for civil and hydraulic studies, reconstruction, new construction and other improvements across the Greater New Orleans region.

Employment History:

- ECM Consultants Inc., LA, *Deputy Program Manager (2017-present)*
- Barowka & Bonura Engineering & Consultants, LLC, LA *Senior Project Manager/Construction Manager (2008-2017)*
- URS Corporation, LA, *Project Manager (1998-2008)*
- Frederic R. Harris, *Project Engineer (1996-1998)*
- C&S Consultants, *Project Engineer (1994-1996)*

Harvey Wastewater Treatment Plant Jefferson Parish, LA: Ms. Reynolds performed engineering services for rehabilitation and reconstruction of the existing grit chamber due to the failed moisture barrier. Ms. Reynolds worked with the contractor to repair the failing outer wall, remove the damaged T-Lock system and install a new moisture barrier to protect the grit chamber walls.

East Bank Water Treatment Plant, Jefferson Parish, LA: Ms. Reynolds designed the civil site plan for a 10-acre expansion of an existing water treatment plant to include a new laboratory building and P4 plant with process piping, access roadways, driveways, parking lots, rerouted subsurface drainage, sewer and water utilities.

Jean Lafitte Drain Line Replacement, St. Bernard Parish, LA: Ms. Reynolds designed 4,500 LF of major drain line and an outfall in conjunction with the Parish Drainage Master Plan and FEMA funding guidelines. The plans also included design for several large junction boxes, catch basins, roadway restoration, and redirection of smaller drain lines to intercept runoff and tie directly into the junction boxes.

Congressman Hebert Canal Widening & Stabilization, St. Bernard Parish, LA: Ms. Reynolds provided Project Management and design services to examine existing drainage capacity and bank stabilization for one of the major outfall canals in St. Bernard, which was adjacent to residences and schools. She utilized Autodesk SWMM to size the approximately 3,000 LF proposed earthen canal, box culverts, and concrete U-channel in accordance with the Parish Drainage Master Plan. The design also included relocation of several subsurface utilities, tying in existing drainage culverts, and roadway/bridge rehabilitation.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Marvin May, CAD Technician
Project Assignment:
CAD Technician
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
16
Education: Degree(s)/Year/Specialization:
1999/AutoCAD Drafting
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

Mr. May has over 17 years of experience in AutoCAD drafting. His experience includes preparation of plan and profiles, cross sections, and miscellaneous details for sewer, roadway, drainage, and utilities projects. He is trained in both AutoCAD and Microstation V8.2.

Employment History:

- ECM Consultants Inc., LA, *CAD Technician (2002-to date)*

The following are examples of his relevant experience:

Causeway & W. Esplanade Sewer Lift Stations, Jefferson Parish, LA: Mr. May provided CAD support for this project consisting of detailed design plans, specifications and contract documents for the construction of a new sanitary lift station. Scope of work included redirected force main discharge, new control panel and SCADA system, 600 L.F. of 12" dia. directionally drilled gravity sewers, driveway and site paving, and abandonment of the Causeway N. & S. lift stations, miscellaneous civil, structural, mechanical, and electrical work.

Rehabilitation of 42nd & Erlanger Sewer Lift Station, City of Kenner Dept. of Public Works, Kenner, LA: Mr. May provided CAD support for design for removal and replacement of existing pumps and motors with all accessories, piping, and control panels to increase capacity from 375 gpm to 625 gpm, as well as rehabilitation of an existing wet well.

Rehabilitation of the 15th & Webster Lift Station, City of Kenner Dept. of Public Works, Kenner, LA: Mr. May provided CAD support for this project involving design for removal and replacement of existing pumps and motors with all accessories, piping, control panels to increase capacity from 800-1,200 gpm, and rehabilitation of existing wet well on the lift station.

Rehabilitation of Sewerage Lift Stations of New Orleans Lakefront Airport, Orleans Levee District, New Orleans, LA: Mr. May provided CAD support for rehabilitation of all nine existing lift stations which were severely damaged by flooding during Hurricane Katrina. Rehabilitation included replacing pumps, electrical systems, control system and repair to lift station buildings as well as design of a new lift station with small, packaged treatment plant to discharge effluent to Intracoastal Navigational channel.

Mid-City Area Sewer Collection System Rehabilitation, Sewerage & Water Board of New Orleans, New Orleans, LA: Mr. May provided CAD support for design for the rehabilitation of sewer lines in the Mid-City area of New Orleans. Scope of work included reviewing evaluation reports, designing sewer lines to ensure adequate capacity of sewer lines after reviewing S&WB database, and preparation of construction plans.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Matthew Mire. Engineering Intern
Project Assignment:
CADD Technician
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
B.S./2020/Civil Engineering
Active registration: Year first registered/discipline:
2020/Civil Engineering Intern/LA License No. 0034666
Other experience and qualifications relevant to the proposed Project:

Employment History:

- ECM Consultants Inc, *Engineering Intern,* (2021-to date)
- Modjeski & Masters, *Field Engineer,* (2020-2021)
- Cajun Industries, *Intern,* (2019)
- MAPP Construction, *Intern*, (2018)
- Wharton-Smith Construction, *Intern*, (2017)
- JB James Construction, *Intern*, (2016)

Project Experience:

Jefferson Parish District 2 Transit Stop Improvement Study: Mr. Mire preforms conceptual design and CAD drafting for the Jefferson Parish Transit Stop Improvement Plan. The improvement plan aims at updating the transit stops, adjacent sidewalks, and crossings to all current ADA and accessibly requirements. The conceptual design is being performed using AutoCAD.

WSLP 102 and 106 for United States Army Corps of Engineers, St. John the Baptist Parish, LA: Mr. Mire updated the latest levee cross sections, canals, T-walls, dimensions, and plan view designs for the plan set of WSLP 102 and 106 using AutoCAD.

South Central Florida Express System Wide Bridge Inspection, Clewiston, Florida: Mr. Mire performed a quality assessment inspection identifying defects for 34 bridges for SCFE RR near Clewiston Florida and the surrounding area. The inspection provided the client with the current condition of the bridges and highlighted areas for repair. The bridges under inspection included timber, concrete, steel, and two movable bridges.

Canadian National Bridge Replacement, Bonnet Carre Spillway: Mr. Mire was an on-site field engineer/quality assurance inspector for the $60 million bridge replacement project for CN near Laplace, Louisiana. The project consisted of installing a double voided concrete box girder bridge supported by reinforced concrete piles approximately 2.5 miles long in order to replace the adjacent existing timber bridge. Mr. Mire collected field data such as pile driving logs and grout cube compressive strength test, tracked quantity of material installed, and recorded daily construction activities in the form of reports.

Kansas City Southern Structural Steel Repairs: Shreveport, LA and Cason, TX Mr. Mire was an on-site field engineer/quality assurance inspector for repairs of three orthotropic bridges for KCS located in Shreveport, LA and Cason, TX. The project consisted of installing bolted reinforcement plates, welding, and replacement of bearings at various locations where cracks and corrosion were present. Mr. Mire prepared daily reports and tracked quantity of material installed to verify the contractor installed welds and reinforcement plates at the appropriate locations.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Zachary Collier, P.E., Project Engineer
Project Assignment:
Construction Administration
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
B.S./2014/Civil Engineering
Active registration: Year first registered/discipline:
2018/Civil Engineering/LA License No. 42957
Other experience and qualifications relevant to the proposed Project:

Mr. Collier has about **7 years of experience** in construction engineering, administration and inspection. He worked for LADOTD for 4 years In District 61 Project Engineer's Office. His projects included roadway and bridge construction, roadway rehabilitation, drainage repair and enhancements, water, **sewer** and other utilities relocations, and pedestrian facility improvements. His duties and responsibilities included administering state construction contracts, plan review, staffing construction projects with certified inspectors, change order reviews and approvals.

Employment History:

- ECM Consultants Inc., LA, Civil Engineer *(2019-present)*
- Coastal Protection and Restoration Authority, LA, Construction, Operations, and Maintenance Manager *(2018-2019)*
- Louisiana Department of Transportation, LA, Assistant Project Engineer *(2017-2018)*
- Louisiana Department of Transportation, LA, Concrete Research Engineer *(2014-2017)*
- Professional Service Industries, Inc., LA, Construction Service Technician *(2014)*

RR25 City Park Group A – Served as Project Engineer for this $6M road rehabilitation and replacement project in the City of New Orleans. Portion of the project included full reconstruction of several blocks including **sewer main repairs, lining, and replacement of house connections**.

RR188 Village De'Lest Group B – Provided contract administration for **sewer and water line work** related to this $4M road reconstruction project. Oversaw inspection of sewer repairs and installations and new waterline installations, house connections, and tie ins.

RR146 Read Blvd East Group C - Provided contract administration for sewer and water line work related to this $3M road reconstruction project. Oversaw inspection of **sewer and waterline installation**, including testing and tie in, and prepared as-built information.

Essen Lane Widening, LADOTD, S.P. No. H.010560 East Baton Rouge Parish, LA, : Mr. Collier served on the Project Engineering team for this **$8 million** roadway widening project. Work included adding an additional travel lane on northbound Essen Lane, new signalized intersections, new ADA ramps at all driveways and intersections, additional drainage capacity and relocation of water and sewer lines where required. He provided contract administration support that included project coordination, managing inspection services, data entry in SiteManager, manage RFIs and submittals, review monthly pay estimates, and keep concise record of all documents in chronological order.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Glenn Eggert, Construction Inspector
Project Assignment:
Construction Inspection
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
9
Education: Degree(s)/Year/Specialization:
High School
Active registration: Year first registered/discipline:
USACE Construction Quality Assurance Management, HAZMAT, Confined Space Entry Certified;
Other experience and qualifications relevant to the proposed Project:

Mr. Eggert has 25 years of experience as a quality assurance construction inspector for pumping stations, force mains, lift stations, bridges, roadways, and utilities, including **nine years in rehabilitation of sewer projects.** He is also highly experienced in construction materials testing as a lab manager and extremely proficient in interpretation of engineering plans and specifications.

Employment History:

- ECM Consultants Inc., LA, *Senior Construction Inspector (2010-to date)*
- Linfield, Hunter and Junius, *Quality Assurance Representative (2010-2011)*
- Meyer Engineers, *Quality Assurance Representative, (2006-2009)*
- Alpha Testing and Inspection, *Quality Assurance Manager, (1996-2005)*

Sewer Rehabilitation Projects, New Orleans, LA: Mr. Eggert worked on several point repair projects for the Sewerage and Water Board of New Orleans. These projects included Gentilly, French Quarter, Lakefront, and the New Orleans East sewer rehabilitation projects. Work included demolition of existing roadway, excavation, repair of sewer lines, backfilling of the excavations, and the placing of new concrete or asphalt roadway. He also conducted compaction tests on the backfill material, concrete testing, and asphalt inspection.

Central Consolidated Pump Stations, Sanitary Sewer Overflow (SSO) Program, Baton Rouge, LA: Mr. Eggert serves as a field inspector for this project that involves the design and construction of nine pump stations, three of which will be interconnected and will discharge to the SWWTP via new large force main following completion of construction of the SWWTP.

Highland Road – Burbank Drive Sewer Area Upgrades: Mr. Eggert is currently serving as a field inspector for this project that includes the upsizing of force mains in an area that extends north to the intersection of Jefferson Highway and Tiger Bend Road and continues south to the Staring Lane extension and Burbank Drive intersection. The upgrades were designed to alleviate overflow problems at the pump station and to increase capacity.

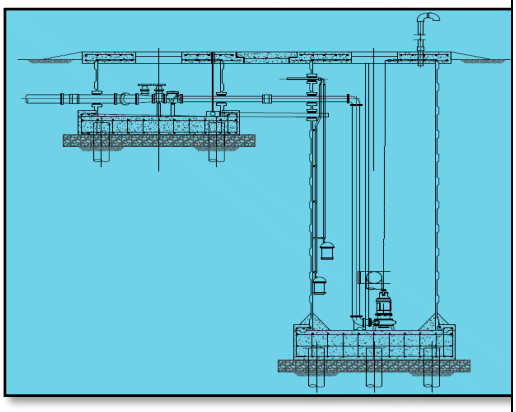
Pump Station 58 Replacement, Sanitary Sewer Overflow (SSO) Program, Baton Rouge, LA: Mr. Eggert is providing inspection services for this project which includes construction of a new pump station (PS58) to pump dry weather flow to the existing gravity system and wet weather flows directly to the SWWTP. The purpose of this project is to relieve SSOs at PS58 as well as in the respective upstream and downstream basins. This project was related to the Staring Lane Force Main project that involved the construction of the force main from PS58A to the SWWTP.

Metro Airport Sewer area Forcemains Upgrades-Group Project 1B: Mr. Eggert served as a field inspector for the replacement of seven pump stations, installation of one new pump station, and upgrading 35,330 lf, 8"-30" in diameter. This project will work in conjunction with the Group Project 1A to alleviate sewer overflow problems.

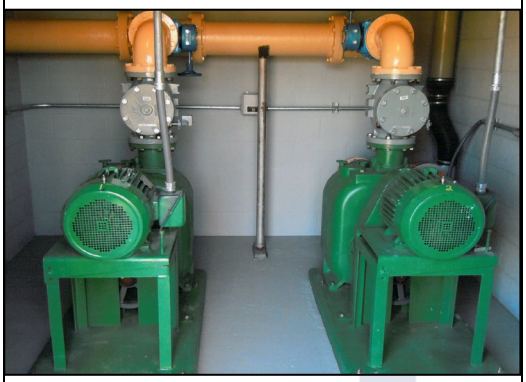
Choctaw Sewage Storage and Pump Station Facilities Mr. Eggert served field inspector for this project that involves the design and construction of a 26-MG facility, an overflow pump station, gravity trunk line overflow pump station, and forcemains.

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

PROJECT NO. 1

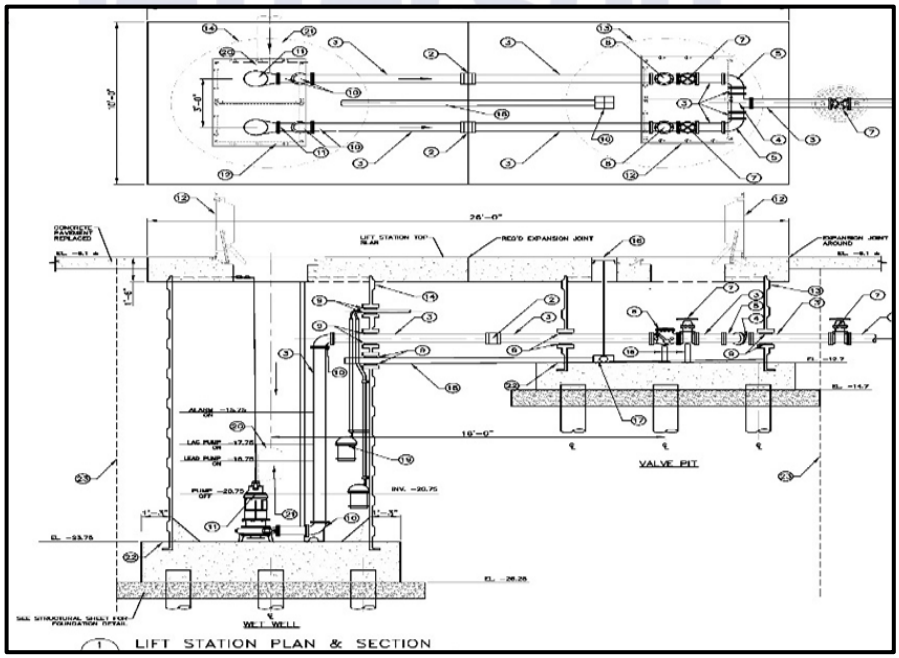
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Sewer Lift Stations at Causeway and W. Esplanade Jefferson Parish, LA **Jefferson Parish-DPW 1221 Elmwood Park Blvd., Suite 906 Jefferson, LA 70123** 	ECM provided engineering design for this $2 million Lift Station Rehabilitation Project. In addition, ECM prepared detailed design plans, specifications and contract documents for the construction of a new sanitary lift station included: an 8' diameter fiberglass wet well, 23' deep supported by a 2'-6" concrete base slab bearing on timber piles with a concrete top slab with HS20 loading aluminum hatch cover; an 8' diameter fiberglass valve chamber, 5' deep supported by a 1'-6" concrete base slab bearing on timber piles with a concrete top slab with HS20 aluminum hatch cover, 6" gate & check valves, 6" quick connect coupler for EPO, 6" and 8" piping systems with an 8" diameter force main; redirected force main discharge, new control panel & SCADA system, 600 L.F. of 8" dia. directionally drilled gravity sewers, driveway and site paving, and abandonment of the Causeway N. & S. lift stations, miscellaneous civil, structural, mechanical, and electrical work. Design of the new station was per the 10 State standards requiring all electrical and mechanical systems to be protected from the 100 yr. flood and all waste water facilities should remain operational and accessible during the 25 yr. flood. **RELEVANCE** ✓ Sewer Lift Station ✓ Gravity Sewers ✓ Force Main ✓ Directional Drilling **KEY PERSONNEL** Ujjal DasGupta, P.E. Sunina Shrestha, P.E. Neil Logan, P.E. Chris Capretto, P.E. Marvin May

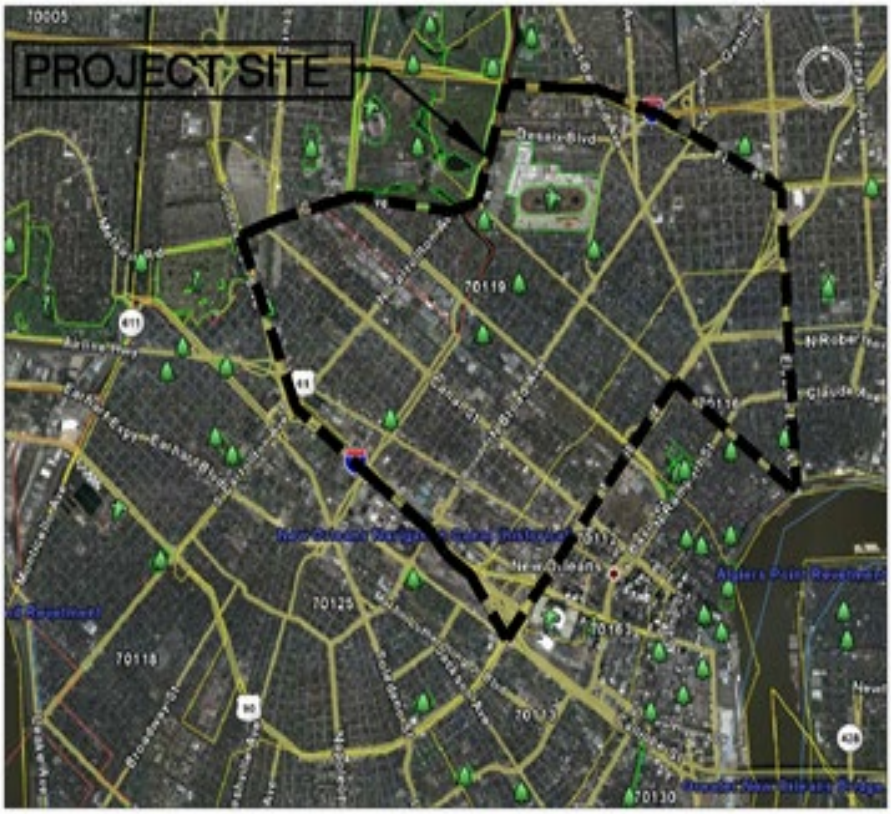
Completion Date: (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 (A)	$2 Million	$1.8 Million

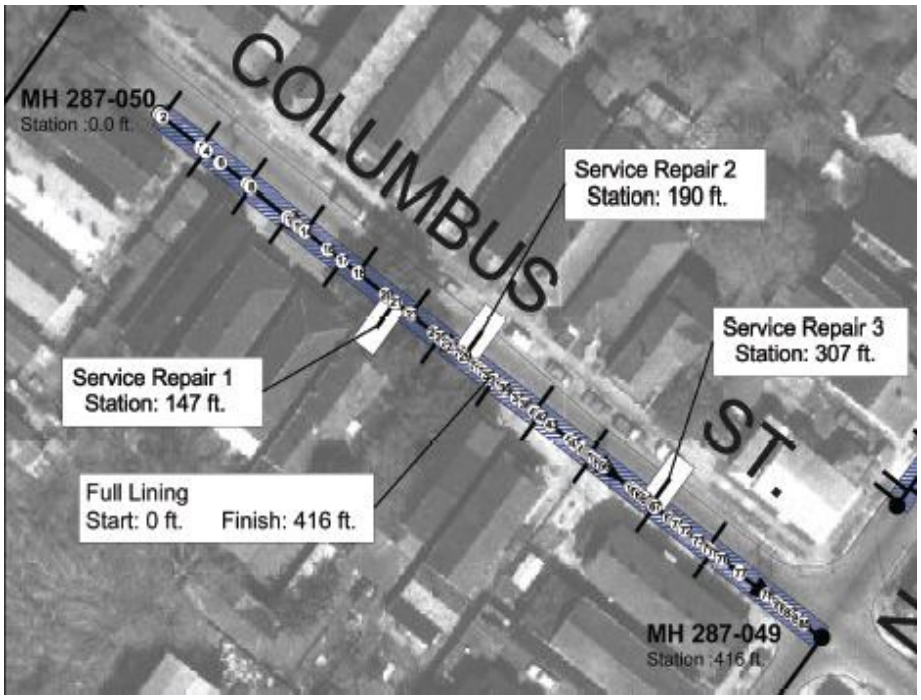
PROJECT NO. 2		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Rehabilitation of 42nd and Erlanger Sewer Lift Station **City of Kenner-DPW** **1800 Williams Boulevard** **Kenner, LA 70065**  	ECM provided an engineering study, evaluations, and design for rehabilitation to the lift station at 42nd/Erlanger in Kenner for the City of Kenner-DPW. The 42nd/Erlanger lift station was upgraded to pumping capacity of 625 gallons per min., an increase from an existing capacity of 375 gallons per min. This upgrade was for accommodating increased flows during wet weather due to infiltration and inflow within its collection system. Scope of work included review of existing lift stations' as-built plans, field investigations, review of flow data for the sewer collection system from the lift station, and verification of required pumping capacity and force main size, etc. Work included computations for head losses from suction and discharge piping and force mains to determine Total Dynamic Head (TDH) required for the pump and selection of the new duplex above-ground centrifugal pumps for the design capacity of 625 gpm. The work also included replacing all piping, valves, control systems, restoration of the lift station wet well, and pumping room. The main objective of this project was to prevent the pump from running continuously during wet weather flow, but to have the capacity to pump out influent without causing overflow. Design consideration included operation of the pump for both dry weather and wet weather conditions. ECM prepared plans and specifications for the replacement pumps with new pumps, controls, valves, piping, wet well rehabilitation, etc. including force main extension to the tie-in for the existing 6" force main. Additionally, ECM provided services during bid phase and construction administration services for this project. This project was completed within budget and on-time without any change orders. **RELEVANCE** ✓ **Sewer Lift Station Upgrade** ✓ **Rehabilitation of Wet Well** **KEY PERSONNEL** **Ujjal DasGupta, P.E.** **Sunina Shrestha, P.E.** **Marvin May**	
Completion Date: (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2011 (A)	**$162,000**	**$162,000**

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Rehabilitation of 15th Street and Webster Sewer Lift Station **City of Kenner-DPW** **1800 Williams Boulevard** **Kenner, LA 70065** 	ECM provided and engineering study, evaluations, and design for rehabilitation to the lift station at 15th/Webster in Kenner for the DPW-City of Kenner. The upgrade to 15th/Webster lift station involved increasing pumping capacity from 800 gallons per min. to 1,200 gallons per min. This upgrade was for accommodating increased flows during wet weather due to infiltration and inflow within its collection system. Scope of work included review of existing lift station's as-built plans, field investigations, review of flow data for the sewer collection system for this lift station, and verification of required pumping capacity and force main size. Work also included computations for head losses for suction and discharge piping and force mains to determine Total Dynamic Head (TDH) required for the new pumps and selection of the new duplex above ground centrifugal pumps for the design capacity of 1200 gpm. The work also included replacing all piping, valves, control system, and restoration of the lift station wet well. The main objective of this project was to prevent the pump from running continuously during wet weather flow, but to have the capacity to pump out influent without causing overflow. Design consideration included operation of the pumps for both dry weather and wet weather conditions. ECM prepared plans and specifications for the replacement of existing pumps with new pumps, controls, valves, piping, wet well rehabilitation, etc. including force main extension to the tie-in for the existing 6" force main. Additionally, ECM provided services during bid phase and construction administration services for this project. This project was completed within budget and on-time. **RELEVANCE** ✓ **Sewer Lift Station Upgrade** ✓ **Wet Well Rehabilitation** **KEY PERSONNEL** **Ujjal DasGupta, P.E.** **Sunina Shrestha, P.E.** **Marvin May**	
Completion Date: (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2011 (A)	**$200,000**	**$200,000**

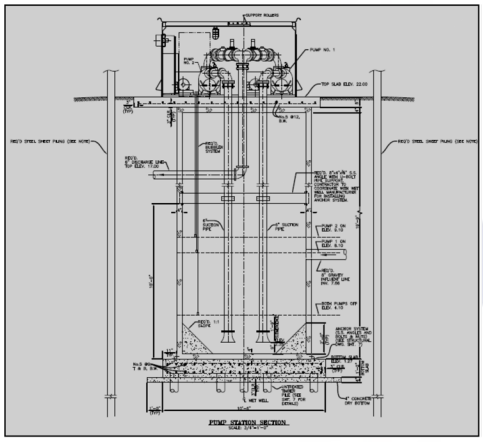
PROJECT NO. 4	
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**
Rehabilitation of Seven Sewerage Lift Stations at New Orleans Lakefront Airport New Orleans, LA **Non-Flood Protection Asset Management 6920 Franklin Avenue New Orleans, LA 70122**  **RELEVANCE** ✓ **Sewer Lift Stations Repairs** ✓ **Force Main** **KEY PERSONNEL** **Ujjal DasGupta, P.E.** **Marvin May**	Following the aftermath of Hurricane Katrina, ECM was awarded a contract to rehabilitate all existing lift stations at Lakefront Airport in New Orleans that were severely damaged by flooding during the storm. The scope of work included initial assessments of Katrina-damage repairs to nine sewer lift stations scattered around the airport and surrounding areas. Through our investigation, ECM identified repairs that were listed in the FEMA inspection report as well as identified any additional repairs needed that were determined by our field investigation and discussion with the FEMA and NFPAMA staff. The project scope included topographic survey; thorough field investigations of all lift stations including electricals, controls, and influent and effluent piping condition assessment; and preparation of field measured plans to identify requirements for each lift station. There were a total of 10 lift stations within the airport. Only one of these ten lift stations was rehabilitated by the owner and has been running by a generator since immediately after Katrina on an emergency basis. ECM's scope included rehabilitation including replacement of pumps/motors/controls/electricals/etc. for the nine (9) lift stations which were severely damaged. There was a combination of above ground and below ground packaged lift stations, as well as the main lift station which pumped all of the sewer collected from the airport area to the S&WB sanitary sewer system. During design phase we made recommendations to eliminate one lift station which required a long force main and was found to be unnecessary for the area being serviced. The small lift station, which was discharging to the removed lift station, was designed to discharge to a small packaged treatment plant placed on the discharge side with the treated flow being discharged in the Intracoastal waterways. This received permits/approvals from all agencies having jurisdiction, saved substantial amounts of money for eliminating a lift station as well as several hundred feet of force main, and received "Commendations" from the owner. ECM's scope included design for new electrical services to all of the lift stations because the entire electrical service was damaged by flooding. ECM performed design and prepared plans, specifications, and estimates (PS&E) for the lift stations (capacities varying from 200 gpm to 1500 gpm) including new pumps, piping, valves, electricals, controls, force mains to tie into the existing, and related items. In addition to design, ECM provided bid phase and construction administration and resident inspection services for this project
Completion Date: (Actual or Estimated):	**Estimated Cost:**
	Entire Project: / **Work for which Firm was Responsible:**
2007 (A)	**$2.1 Million** / **$2.1 Million**

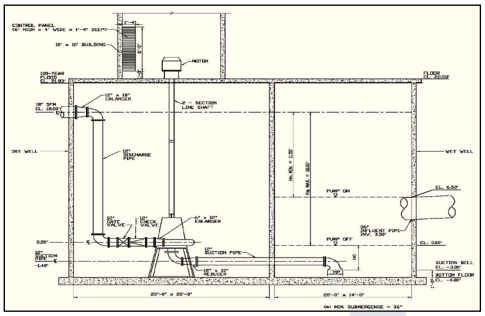
PROJECT NO. 5		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
37th Street and Purdue Drive Sewer Lift Station **Jefferson Parish-DPW** **1221 Elmwood Park Blvd., Suite 802** **Jefferson, LA 70123** **RELEVANCE** ✓ New Sewer Lift Station ✓ Force Main **KEY PERSONNEL** **Ujjal DasGupta, P.E.** **Sunina Shrestha, P.E.** **Marvin May**	ECM provided engineering design services for this project that includes construction of a new lift station at the intersection of 37th Street and Purdue Drive, including electrical equipment, controls and appurtenances. The lift station includes 2 variable speed pumps, 515 gpm capacity, and a depth of 17.65 feet. Scope of work also included installation of a few 650-foot HDPE force main via horizontal directional drilling, installation of a tie-in of the new force main to an existing wet well located near the D8-4 lift station; replacing concrete pavement, curbs and walks, as required; seeding and landscape restoration, as required; and removal and replacement of the catch basin. The design is for a new NEMA premium submersible pumps, electrical system, emergency pump out, level controls and force main. The work also includes replacement of concrete road, removal and replacement of catch basins. ECM also provided bid phase services .  1 LIFT STATION PLAN & SECTION	
Completion Date: (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2017 (A)	**$980,000**	**$900,000**

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Rehabilitation of the Sewer Collection System in Mid-City Area New Orleans, LA **Sewerage and Water Board of New Orleans,** **625 St. Joseph Street,** **New Orleans, LA 70169** **RELEVANCE** ✓ Review Sewer System Evaluation Reports ✓ Design for Rehabilitation/Replacement of Gravity Sewer Mains ✓ Rehabilitation of Force Mains **KEY PERSONNEL** **Ujjal DasGupta, P.E.** **Marvin May**	ECM Consultants, Inc., was responsible for the review of sewer system evaluation survey reports, design, preparation of plans and specifications and cost estimates for the rehabilitation of sewer collection system of New Orleans's Mid-City area (bound by Florida Avenue, Elysian Fields Avenue, Esplanade Ave, N. Claiborne Ave, Orleans Avenue, and N. Carrollton Ave. /Gentilly Blvd.) This involved in-situ lining, replacement of sewer pipes by pipe bursting, installation of new gravity lines by open cut and sewer manhole rehabilitations. This project included over 730,000 L.F. of sewer lines and over 2,800 manholes rehabilitations. Work also included service connections and laterals replacements, sewer flow control procedures during repair/replacement and traffic maintenance and control. 	
Completion Date: (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2003(A)	**$9 Million**	**$9 Million**

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Rehabilitation of Sewer Collection System in Gentilly Area, CBD & French Quarter, Lakeview Area, New Orleans, LA **S&WB of New Orleans** **625 St. Joseph Street,** **New Orleans, LA 70169**	These projects in the listed areas involved review of CCTV tapes to assess condition of pipes and recommend appropriate rehabilitations. Pipe sizes included mostly 8" to 15" dia terracotta pipes. Various types of rehabilitations included in-situ lining, pipe bursting, and replacement by open cut. Work also included new service lines for replacement of main lines by open cut or pipe bursting and cutting holes at service lines for in-situ pipe lining. Project also included rehabilitation of sewer manholes. Dozens of projects were designed for each area for construction costs varying from $5 million to $10 million each. Design effort included identifying types of repairs for pipes at various locations showing on GIS maps. This eliminated conventional survey plans as such design time and cost was reduced substantially. 	
RELEVANCE ✓ Gravity Sewer Main Rehabilitation by: ○ In-situ lining ○ Pipe bursting ○ Replacement by open cut ✓ Manhole Rehabilitation		
KEY PERSONNEL **Ujjal DasGupta, P.E.** **Marvin May**		
Completion Date: (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2005 (A)	**$38 Million**	**$15 Million**

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Sewer Force Mains at Michoud Blvd. and Read Blvd. in the Gentilly Area New Orleans, LA **S&WB of New Orleans** **625 St. Joseph Street** **New Orleans, LA 70169** **RELEVANCE** ✓ **Sewer Forcemains** **KEY PERSONNEL** **Ujjal DasGupta, P.E.** **Marvin May (CAD)**	This project involved design for a sewer force main from Willowbrook SPS to Chef Menteur Highway. The scope of work included topographic survey, field investigation, coordination with various utility entities, design conforming to S&WB's capacity upgrade criteria and flow. The project included 2,000 L.F. of 8" PVC force main from Willowbrook SPS to a new 12" force main on Michoud Boulevard in New Orleans East. The total length of the 12" PVC was approximately 4,800 L.F. This force main was designed to be installed on the median of the Michoud Boulevard but was rerouted in a new area where existing utilities were in conflict. This also included crossing Bayou Michoud with the 12" ductile in a force main to be installed on a new concrete bridge designed by others. This work required extensive coordination with LADOTD. The project required sequencing for by-passing flows during installation of the force main so that sewer service was not interrupted. This new force main was designed to be connected to an existing 16" force main in Chef Menteur Highway. 	
Completion Date: (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2005 (A)	**$3.8 Million**	**$3.8 Million**

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Capacity Upgrades for Plum Orchard Sewer Pump Stations (SPS) **Plum Orchard Avenue** **New Orleans, LA** **Sewerage & Water Board of New Orleans** **625 St. Josephs Street** 	Plum Orchard Lift Station (LS) and Force Main project involved abandoning an existing belowground LS and design of a new 500 gpm, aboveground duplex packaged LS over 100' away from the existing one. The scope of work included the following: topographic survey and location of underground utilities; geotechnical investigations; coordination with S&WB, DPW, Entergy, Cox Cable, and other utility entities; design and preparation of plans, specifications, and estimates (PS&E) for an 8' diameter, 20' deep concrete wet well; pile foundations; concrete bottom slab and top slab; etc. This also included determination of pump size for increased flow; selection of types of pumps; control system; restoration of concrete pavement; and fencing. The project also involved installation of a temporary by-pass sewer system; modification of a section of 8" gravity sewer line for influent to LS; manifold piping and over 100' of new 6" PVC force main from new LS including check valve and gate valve with manholes; and tie in to the 6" existing FM by-passing existing LS. Scope also included removal of existing pumps, piping, control panel, etc. from dry pit and fill dry and wet pit with sand. The project also included driving steel sheet pile cofferdam, sheeting, shoring, and bracing. **RELEVANCE** ✓ Sewer Lift Station ✓ Gravity Sewer Main ✓ Sewer Force Main **KEY PERSONNEL** Ujjal DasGupta, P.E. Marvin May (CAD)	
Completion Date: (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2006 (A)	$1.5 Million	$1.5 Million

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Upgrade of Sewer Pump Station 01 Located at Cohn Street **S&WB of New Orleans** **625 St. Joseph Street** **New Orleans, LA 70169**  **RELEVANCE** ✓ **Sewer Pump Station** **KEY PERSONNEL** **Ujjal DasGupta, P.E.** **Marvin May**	This project involved a study for various alternative solutions and preparation of a report for the most cost effective solution for this existing major sewer pumping station. The existing SPS 01 is a flooded-suction, multi-level type station located on 7336 Cohn Street and discharges to a gravity main that carries the flow to the wet well of Pump Station 14. Sewer Pump Station 01 has two (16" x 14") vertically aligned pumps. Each pump is powered by single speed Westinghouse motors. This equipment was housed in a 16' dia concrete dry well structure which is below grade. The total depth of the dry well from the access hatch to the bottom is 21'. Sewer Pump Station 01 collects wastewater from the surrounding gravity sewer system into a 20.5' deep concrete wet well (suction chamber). The capacity of each pump was determined to be 6,800 gpm at 3.5' of head by Doppler flow meter. With both pumps in operation, the capacity of the pump station doubles because SPS 01 discharges through separate discharge piping to a gravity main. The design flow for this pump station was established at approximately 4,350 gpm (2xPeak Dry Weather Flow), and it was determined that this pump station will discharge through an 18" force main approximately 6,400' downstream into a proposed sewer force main on Erato Street. The two options considered for upgrade of the pump station included upgrading existing SPS 01 and building a new pump station. As per field investigation, the interior of the existing wet well was corroded serious enough it could compromise its structural integrity. In addition, the size of the existing wet well was insufficient to handle the design flow of 4,350 gpm. A new pump station would be a flooded suction type station that will include a dry well (20'x20') for pumps, piping and valves; a wet well (20'x14') for the sewer inflow; and an above ground building for motors and control panel unit. The new station will include two (2) pumps, each capable of handling 2,175 gpm at both high head and low head conditions and will be discharging the flow directly into a force main network through an 18" force main. It is designed to install motors and control panel above the flood level elevation. Analysis indicated that the Fairbanks Morse Pump Model 5410, with two (2) heavy-duty flooded suction pumps each capable of producing 2175 gpm at 186 ft TDH for high head condition and 82 ft TDH for low head condition while driven by 300 HP heavy duty motors adjustable at varying speeds, would be the most efficient and cost effective option. After reviewing the deficiencies in the existing lift station, it was recommended that construction of a new pump station be preferred compared to upgrading the existing station. The preliminary design was based on this recommendation for a new dry pit/wet well pump station using flooded suction pump.	
Completion Date: (Actual or Estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2005 (A)	**$8 Million**	**$8 Million**

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.		
Parties:		**Status/Result of Case:**
Plaintiff:	**Defendant:**	
1. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	N/A

ECM Consultants, Inc. **has never been involved** in any litigation and/or adversarial proceedings with Jefferson Parish.

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

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TEAM PROFILE

ECM Consultants, Inc. is a locally owned, qualified and established engineering, architectural and construction management firm, located at 1301 Clearview Parkway, Suite 200, Metairie, Louisiana 70006. ECM was incorporated under the laws of the State of Louisiana on August 31, 1995. Over the past 26 years, the firm has provided professional services for over 880 various projects servicing clientele including:

- Jefferson Parish Department of Public Works
- LA DOTD
- Jefferson Parish Dept. of Transit
- City of New Orleans Dept. of Public Works
- Sewerage & Water Board of New Orleans
- New Orleans Aviation Board
- City of Kenner Department of Public Works
- Housing Authority of New Orleans
- U.S. Army Corps of Engineers
- City of Baton Rouge DPW
- Port of New Orleans
- USDA-NRCS
- LA-CPRA
- SLFPA-East

ECM currently has **62** professional and support staff personnel working on infrastructure projects across in Jefferson and surrounding parishes. Our expertise includes civil engineering including sewer system evaluation, design of gravity mains, lift stations and force mains, and other utilities and drainage, hydraulic and structural engineering, as well as project management, construction management and resident inspection services.

ECM employs qualified and experienced professional personnel, who are licensed and certified to perform engineering services required for the contract. Our staff has thorough knowledge of all local, state, and federal rules and regulations, and is highly experienced in successful completion of projects with Jefferson Parish.

ECM will serve as the Prime Consultant on this contract with the following specialty firms as sub-consultants:

BFM Corporation, LLC, is a professional surveying firm who has provided services to public and private agencies throughout the Gulf South, including hundreds of projects across Jefferson Parish. BFM provides surveying services covering all facets of engineering, construction, and forensics; topographic, hydrographic, and high definition laser scanning.

Gulf South Engineering & Testing, Inc. Gulf South Engineering & Testing (Gulf South)) is a geotechnical engineering and construction materials testing and inspection company that began operations in 2011. Since that time, they have grown to 2 offices and over 30 employees. Gulf South provides a broad range of geotechnical related services. Our key employees' combined work experience totals more than 75 years and thousands of projects.

The qualifications, integrity, reliability, and commitment of our personnel to provide quality professional services have earned the ECM Team an excellent reputation and repeat work from all our clients.

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

Minimum Qualifications

Minimum Qualifications	Personnel Meeting Requirement
1. One Principal who is a professional engineer who shall be registered as such in Louisiana.	Ujjal DasGupta, P.E., President /Owner LA License No. 19849
2. A Professional in Charge of the Project who is a Professional Engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved.	Sunina Shrestha, P.E. 16 years' experience LA Civil Eng. #37901
3. One (1) employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project. (A sub-consultant may meet this requirement only if the advertised Project involves more than one discipline)	Ujjal DasGupta, P.E. LA Civil Eng. #19849 Kazem Alikhani, P.E. LA Mechanical Eng. #25073 Sunina Shrestha, P.E. LA Civil Eng. #37901 Chris Capretto, P.E. LA Civil Eng. #38641 Kyle Kessler, P.E. LA Civil Eng. #32474 Neil Logan, P.E. LA Civil Eng. #14607 John Foley, P.E. LA Civil Eng. #42740 Zachary Collier, P.E. LA Civil Eng. #42957 Chad Poche, P.E. LA Civil Eng. #27667

ECM significantly exceeds minimum qualifications requirements.

EVALUATION CRITERIA

1. Professional Training & Experience

Relevant project experience of Firm

ECM has extensive experience in engineering design, preparation of plans and specifications, construction administration, and construction engineering and inspection for sewer projects. Our relevant experience includes the following:

- New sewer lift station, force main and gravity line at Causeway & W. Esplanade for Jefferson Parish
- New 20" sewer force main for the City of Kenner
- Consolidated expansion of the Marrero WWTP for Jefferson Parish
- Rehabilitation of Lift Station 4309 for the City of Kenner
- Rehabilitation of sewer collection system at the Gentilly, Lakeview, CBD/FQ and Mid-City areas of the City of New Orleans for S&WB
- Sewer system evaluation survey for the Uptown area for the S&WB of New Orleans
- Replacement of sewer system at the Lafitte and St. Bernard Housing Developments for HANO
- Gravity sewer, forcemains, and lift station for Lake Catherine sewer collection system for S&WB of New Orleans
- Plum Orchard and McCoy sewerage pump station capacity upgrade for S&WB of New Orleans
- New 24" force main for Michoud Blvd. and 12" force main for Read Blvd. for S&WB of New Orleans
- Rehabilitation of 42nd & Erlanger, 15th & Webster sewer lift stations for the City of Kenner
- Inspection services for the $800 million Sanitary Sewer Overflow Program for the City of Baton Rouge/East Baton Rouge Parish-DPW
- 37th Street and Purdue Drive Sewer Lift Station for Jefferson Parish

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

Training & Qualifications of Key Personnel

Ujjal DasGupta, P.E., Principal has a B.S. in Civil Engineering and over 51 years of experience in project management, civil and structural engineering design, construction management, and construction quality assurance services. He has been responsible for engineering design and construction management services for several billion dollars of projects for various local, state and federal agencies. Mr. DasGupta has extensive experience in sewer improvement projects involving lift stations, force mains, gravity lines, and sewerage treatment plants. He is a licensed Louisiana P.E.

Kazem Alikhani, P.E., Project Manager/POC: 41 years of experience in managing public works projects including planning, design and construction management of sewer projects. Under his direction as Jefferson Parish Director of Public Works, he was responsible for all public works functions and overseeing an annual operating budget of $200M and a capital budget of over $100 million. He has planned, designed, managed numerous projects from inspection to completion including preparation of bids, evaluations, awards, and managed complex projects during construction.

Sunina Shrestha, P.E., Professional in Charge of Project: 16 years of experience in the analysis and design of projects involving sewer collections system including gravity mains, lift stations, force main as well as water and drainage improvements and roadway design. She has a MS in Civil Engineering and Water Resources Engineering and is a Louisiana P.E.

Christopher Capretto, P.E., Civil Engineer: 12 years of experience in design of sewer, drainage, and roadway projects. He is a Louisiana registered Professional Engineer.

Kyle Kessler. P.E.: Structural Engineer: 8 years of engineering experience in design and preparation of plans, specifications and estimates (PS&E) for sewer lift stations, force mains, drainage pump stations, drainage repair and enhancements, roadway rehabilitation, bridges, and foundations for various structures.

Neil Logan, P.E. Sr. Structural Engineer has a B.S. degree in Civil Engineering and is a registered Professional Engineer in Louisiana. His 57 years of experience includes structural design for sewer lift stations, wastewater treatment plants, and drainage pumping stations.

John Foley, III, P.E., Civil Engineer is a Registered Professional Engineer with 8 years of experience in designing various LADOTD and public works projects including feasibility studies, environmental assessments, design and preparation of sewerage and water systems, roadway, and drainage improvements projects.

Missy Reynolds, Project Manager, Engineering Support: 27 years of experience in engineering design, project and construction management for sewer system, water, drainage and roadways rehabilitation projects.

Zachary Collier, P.E., Construction Engineer has about 7 years of experience in construction administration, engineering and inspection. He worked for LADOTD for 4 years in District 61 Project Engineer's Office. He has a BS in Civil Engineering and is a licensed Louisiana P.E.

Glenn Eggert, Construction Inspector with more than 25 years of experience in construction quality assurance for sewer systems including force mains, lift stations, gravity mains and related sewer rehabilitation projects as well as roadways and drainage improvement projects.

Marvin May, CAD Technician has over 17 years of experience in AutoCAD drafting, including preparation of plans and profiles, typical sections, cross sections and miscellaneous details for sewer lift stations, drainage pump stations, roadway; drainage, water and sewer system projects.

Matthew Mire, CADD Technician has about 2 years of experience as engineering intern and as summertime construction field technician intern from 2016 to 2019.

Ralph P. Fontcuberta, Jr., PLS, Surveyor of Record, (BFM): Mr. Fontcuberta has better than half a century of experience in the field of surveying and has been a

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

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.

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

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

Chad Poche', P.E. Geotechnical Engineer (Gulf South) consulting geotechnical engineer for more than 20 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He is a licensed Louisiana P.E.

Blake Vutera, P.E. Geotechnical Engineer (Gulf South) experience includes daily work on geotechnical engineering projects as well as managing all geotechnical investigations and providing assistance with laboratory testing and construction materials testing and inspection. He is responsible for engineering design, report preparation, proposal preparation, personnel management, project management, and client interaction. Mr. Vutera is a licensed Louisiana P.E.

2. Capacity for Timely Completion of Work

ECM understands the requirements of successfully managing and executing contracts on time. Our efficient approach to scheduling our work allows us to provide required man-hours to newly assigned projects in addition to our ongoing projects. ECM has a total of **62** staff members which includes ten P.E.'s and two E.I.'s and has extensive experience performing services for concurrent projects. The following are examples of our capacity to undertake and complete projects on time:

- **IDIQ Contract W912P807-D0031, a $90 million (fees) contract for general design, multidisciplinary services, and construction management services:** This five-year contract included 99 task orders. 94 task orders were for design projects, one task order for program management support of a $1 billion project, and four task orders for construction management services. As managing partner of the ECM-GEC joint-venture, ECM was responsible for the management and overall performance of all task orders, coordination with our JV partner, and subconsultants. Task order fees varied from $150,000 to $8 million each. ECM alone completed about 78 task orders on-time. ECM worked on at least six task orders at a time for this contract.
- **IDIQ Contract W012P906-D-0023:** ECM provided services for this $5 million, five-year contract which was awarded after Hurricane Katrina. A total of 34 task orders were issued and the full contract amount of $5 million was used in two years. ECM provided all necessary personnel and support to complete various task orders in a timely manner.

3. Location of Principal Office

The ECM Consultants, Inc. principal office is located in Jefferson Parish at 1301 Clearview Parkway, Suite 200, Metairie, LA 70001. All work will be performed from this office.

4. Adversarial Legal Proceedings with the Parish

ECM Consultants, Inc. **has never been involved** in any litigation and/or adversarial legal proceedings with Jefferson Parish.

5. Prior Successful Completion of Projects

Below are examples and references of related projects:

- **Rehabilitation of Lift Station 4309 for the City of Kenner DPW:** Kurt Evans, P.E., Digital Engineering, Project Manager for City of Kenner; 504-468-6129; kevans@deii.net
- **New 20" Sewer Force Main for City of Kenner-DPW: Reference:** Kurt Evans, P.E., Digital Engineering, Project Manager for City of Kenner. 504-468-6129; kevans@deii.net
- **Rehabilitation of Sewer Mains, Manholes, and Sewer lines for Lakeview, CBD/French Quarter, and Mid city Area in City of New Orleans for S&WB of New Orleans: Reference:** Ron Spooner, P.E., Project Manager for S&WB of New Orleans; 504-585-2365; rspooner@swbno.org
- **Rehabilitation of 42nd and Erlanger & 15th & Webster Street Lift Station in Kenner for City of Kenner-DPW: Reference:** Jose Gonzales, P.E., former Director, City of Kenner; 504-736-6783; jppw@jeffparish.net
- **New 24" force Main for Michoud Blvd. and new 12" Force main for Read Blvd. City of New Orleans for S&WB of New Orleans: Reference:** Ron Spooner, P.E., Project Manager, S&WB of New Orleans; 504-585-2365; rspooner@swbno.org
- **37th Street & Purdue Drive Lift Station for Jefferson parish:** Sid Trouard, P.E., Digital Engineering, Project Manager for Jefferson Parish; 504-468-6129; strouard@jeffparish.net

6. Size of Firm

ECM has **62** qualified professional engineers and support staff to work on routine and specialized projects that will be necessary to provide high quality professional services on this contract. Our team includes ten civil engineers, two structural engineers, four project managers, two engineering interns, a mechanical engineer, two architects, thirty-two construction inspectors, three CAD technicians, and eight administrative and support staff.

7. Past Performance on Parish Contracts

Below are a few examples of Jefferson Parish projects completed within budget and on time:

- Roadway and drainage improvements for West Metairie / Severn Avenue. ECM's estimate was $1.0 M, low bid was $899,000 and project was completed on time with only one deductive change order amounting to 1.8% of bid amount.
- New Sewer Lift Station at Causeway & W. Esplanade for Jefferson Parish. Design completed within budget
- Warehouse for Jefferson Parish DPW. This project design was completed below the project budget of $5 million.
- B&C Canal Improvement (Phase I) for Jefferson Parish. This project's design and construction were completed on time, below our engineering estimate.

Quality Control Plan

ECM Consultants, Inc. has an excellent quality control program. During the design phase the project manager is responsible for establishing design criteria in consultation with the owner. Before the start of a project, the project manager will meet with all staff (project engineers, junior engineers, and the CAD operator) to communicate the project scope, design criteria, drafting standards, coordination requirements with various disciplines, completion schedules for various phases, and, most importantly, the project goal and Owner's expectation of high- quality professional work. The project manager is responsible for coordination with the owner and project engineers. All of our staff members are conscientious and thorough and understand the importance of preparing construction documents with a standard of case exceeding the industry standard. The criticality of following design procedures is consistently emphasized, and all drafting is thoroughly checked by the design engineers. ECM has successfully completed a number of projects for Jefferson Parish, **controlling costs**, providing **high quality work**, and maintaining the contract's **schedule**. We take pride in completing projects on time and within budget, and as a result we have been rewarded with repeat contracts.

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

Signature: _____ **Print Name:** Kazem Alikhani, P.E.

Title: Chief Executive Officer **Date:** 03/25/2022

Section 2

BFM Corporation, LLC.

TEC Professional Services Questionnaire

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Sewer Projects

SOQ **22-010** | Resolution No. **138812**

B. Firm Name & Address:

BFM Corporation, LLC
15 Veterans Memorial Boulevard
Kenner LA 70062

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

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

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

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

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

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

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

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

- *Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA*
- *Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA*
- *Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman), Marrero, Jefferson Parish, LA*
- *Destrehan Lift Station Upgrades, Jefferson Parish, LA*
- *Sewer Lift Station Upgrades (5th Avenue and 9th Street), Harvey, Jefferson Parish, LA*
- *Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA*
- *Lift Station F8-3, Metairie, Jefferson Parish, LA*
- *Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA*
- *Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA*
- *Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA*
- *Destrehan Lift Station Upgrades, Jefferson Parish, LA*
- *Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA*
- *Kennedy Heights Sewer Lift Station C9-2 (Live Oak Boulevard), Westwego, Jefferson Parish, LA*
- *Haring Ditch Sewer Improvements, Jefferson Parish, LA*
- *Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA*
- *Live Oak Manor Sewer Improvements, Jefferson Parish, LA*
- *Bucktown Harbor Sewer Upgrade Survey, Jefferson/Orleans Parishes, LA*
- *Sewer Force Main, Kent Avenue to Transcontinental, City of Kenner, Jefferson Parish, LA*
- *Sewer Force Main at the JEDCO Business Park, Jefferson, LA*
- *Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA*
- *Lift Station E3-2 (Elmwood & Citrus), Metairie, Jefferson Parish, LA*
- *Lift Station K-11-3, Marrero, Jefferson Parish, LA*
- *Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA*
- *Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA*
- *Churchill Farms Sewer Force Main, JEDCO Business Park Southeast Land District, Jefferson Parish, LA*
- *East Bank Sewer Treatment Plant, Jefferson Parish, LA*
- *Lift Station E5-4, Jefferson Parish, LA*
- *Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA*
- *West Napoleon Avenue Sewage Treatment Plant, Jefferson Parish, LA*
- *Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA*
- *Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA*
- *Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA*
- *Lift Station F7-12 (Grace King and Rockford), Metairie, Jefferson Parish, LA*
- *Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA*
- *G6-4A Sewage Treatment Plant, Jefferson Parish, LA*
- *Helios Sewage Treatment Plant, Jefferson Parish, LA*
- *N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA*
- *Transcontinental & Wabash Sewer Treatment Plant, Jefferson Parish, LA*
- *Effluent Pump Station & Structures at Harvey Wastewater Treatment Plant, Jefferson Parish, LA*
- *Hanson City Area Force Main Improvements, Kenner, Jefferson Parish, LA*

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

BFM Corporation projects overseen by Mr. Poché would include:

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

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

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

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) ($11,710 (fee); 2019)

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

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

Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA. BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer. ($6,620 (fee); 2017)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Field Operations Supervisor

Project Assignment:

Field Operations Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

Professional Land Surveyor Registration in process, State of Louisiana

Other experience and qualifications relevant to the proposed Project:

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

Haring Ditch Sewer Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which involved the servitude parallel and east of Haring Ditch from Quincy to the northern right-of-way of Interstate 10, then from the northern right-of-way of Interstate 10 to Kent and from Kawanee to Quincy. ($33,908 (fee); 2010)

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA. BFM provided topographic surveying services for sewerage improvements projects on multiple roadways in Jefferson Parish, including Magnolia Court, Chetta Drive, Lisa Drive, and Power Boulevard. ($25,101 (fee); 2012)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) ($11,710 (fee); 2019)

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

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

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

Live Oak Manor Sewer Improvements, Jefferson Parish, LA. BFM provided topographic surveying services. ($19,278 (fee); 2009)

Bucktown Harbor Sewer Upgrade Survey, Jefferson/Orleans Parishes, LA. BFM provided surveying services for the project. ($13,918 (fee); 2009)

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Registered Professional Land Surveyor; Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

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

Other experience and qualifications relevant to the proposed Project:

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

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) ($11,710 (fee); 2019)

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Lemley
Quality Control Supervisor

Project Assignment:

Quality Control Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Lemley serves as BFM's Quality Control Supervisor, overseeing all work and activity by the firm's personnel to be sure all is kept up to our exacting standards. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station.

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided surveying services for the Kennedy Heights Lift Station project, located on Live Oak Boulevard, in Jefferson Parish. The project's scope of services included boundary and topographic surveying of the project site. Research included obtaining available title data and courthouse research (as needed) to obtain servitudes for utilities or pipelines adjacent to the site. Field surveying included a closed traverse around the site, noting any existing monumentation. ($4,520 (fee); 2017)

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Thomas O. Wright
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) ($11,710 (fee); 2019)

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

Bucktown Harbor Sewer Upgrade Survey, Jefferson/Orleans Parishes, LA. BFM provided surveying services for the project. ($13,918 (fee); 2009)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Curtis "Jay" Barrios
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

Haring Ditch Sewer Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which involved the servitude parallel and east of Haring Ditch from Quincy to the northern right-of-way of Interstate 10, then from the northern right-of-way of Interstate 10 to Kent and from Kawanee to Quincy. ($33,908 (fee); 2010)

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

Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA. BFM provided topographic surveying services for sewerage improvements projects on multiple roadways in Jefferson Parish, including Magnolia Court, Chetta Drive, Lisa Drive, and Power Boulevard. ($25,101 (fee); 2012)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Gladney
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided surveying services for the Kennedy Heights Lift Station project, located on Live Oak Boulevard, in Jefferson Parish. The project's scope of services included boundary and topographic surveying of the project site. Research included obtaining available title data and courthouse research (as needed) to obtain servitudes for utilities or pipelines adjacent to the site. Field surveying included a closed traverse around the site, noting any existing monumentation. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. ($4,520 (fee); 2017)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jeff Patin
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

Sewerage Improvements on Multiple Roadways, Jefferson Parish, LA. BFM provided topographic surveying services for sewerage improvements projects on multiple roadways in Jefferson Parish, including Magnolia Court, Chetta Drive, Lisa Drive, and Power Boulevard. ($25,101 (fee); 2012)

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) ($11,710 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Shaun Clements
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

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

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project. (Lot S-2; Harvey Canal Property, portion of T-14-S, R-23 & 24-E, Plan of a Resubdivision of Parcel S-1 Into Lots S-2, S-3, and S-4 from 1982). (SCIP Project Number:D3564) ($11,710 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Mr. Roberts has experience with civil engineering, offshore engineering, water purification systems, and general architectural and construction design & terminology. He obtained his A.D. in Drafting in 1999, and has taken additional coursework throughout his career.

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Kennedy Heights Sewer Lift Station, Jefferson Parish, LA. BFM provided surveying services for the Kennedy Heights Lift Station project, located on Live Oak Boulevard, in Jefferson Parish. The project's scope of services included boundary and topographic surveying of the project site. Research included obtaining available title data and courthouse research (as needed) to obtain servitudes for utilities or pipelines adjacent to the site. Field surveying included a closed traverse around the site, noting any existing monumentation. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. ($4,520 (fee); 2017)

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

Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA. BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer. ($6,620 (fee); 2017)

TEC Professional Services Questionnaire

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

PROJECT NO. 1

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

PROJECT NO. 2

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

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, Louisiana **Infinity Engineering Consultants, LLC** 4001 Division Street Metairie LA 70002 **Raoul Chauvin, P.E.**, 504-304-0548 rchauvin@infinityec.com	BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2017 December	N/A	$6,620 (fee)

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, Louisiana **Principal Engineering** 1011 N. Causeway Blvd Suite 19 Mandeville LA 70471 **Courtney I. Dickerson, P.E.**, 985-624-5001 courtney@pi-aec.com	BFM provided boundary and topographic surveying services for the existing Lift Station, D4-2, and the proposed Lift Station, D4-2B, to be located at the corner of Olga Avenue and Howard Avenue in Metairie. BFM also provided Right-of-Way to Right-of-Way of associated streets and sites of the existing and proposed lift stations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2016 October	N/A	$22,860 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, Louisiana **Linfield, Hunter & Junius, Inc.** 3608 18th Street, Suite 200 Metairie LA 70002 **Sergio Girau**, 504-833-5300 lhj@lhjunius.com	BFM provided boundary and topographic surveys for the project, which included a force main survey involving Veterans Boulevard, between the Suburban Canal and North Hullen Street (lift station improvements). Both full and partial route surveys were executed.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2016 December	N/A	$20,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, Louisiana **H. Davis Cole & Associates, Inc.** 1340 Poydras Street Suite 1850 New Orleans LA 70112 **David Martin, P.E.**, 504-836-2020 dmartin@hdaviscole.com	BFM's surveying scope involved topographic and boundary surveying services for the project in Marrero. BFM established a baseline parallel to Ehret Road, with the beginning, end, and points of intersection referenced by three point ties to topographic features in the area. With the limits of survey established (Ehret Road, Weatherly Place, Crestridge Circle, and Broas Drive), BFM plotted the location of improvements. Visible above-ground utilities & below-ground utilities with visible surface evidence were also plotted.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2019 February	N/A	$8,790 (fee)

TEC Professional Services Questionnaire

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

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

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

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

CRITERIA 1 • PROFESSIONAL TRAINING AND RELEVANT PROJECT EXPERIENCE

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

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

Our capabilities include the following and more:

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

CRITERIA 6 • SIZE OF FIRM

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

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

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

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

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

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

Title: **Executive Vice President** **Date:** **March 14, 2022**

Section 3

Gulf South Engineering & Testing, Inc.

TEC Professional Services Questionnaire

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Sewer Projects

SOQ **22-010** | Resolution No. **138812**

B. Firm Name & Address:

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

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

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

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

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

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

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

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

32* TOTAL

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.
Vice-President

Project Assignment:

Engineering Manager; Geotechnical Engineer

Name of Firm with which associated:

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

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Mr. Poché is the Vice President, co-founder, and partner in Gulf South. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

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

Patriot Street Lift Station, Metairie, Jefferson Parish, LA. Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. ($30,000 (fee); 2016)

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Blake E. Vutera, P.E.
Engineering Manager

Project Assignment:

Geotechnical Engineer

Name of Firm with which associated:

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

Years experience with this Firm:

10 years with this firm (2012); 16 years total (2006)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA. Geotechnical investigation for the construction of a new lift station near Melrose Lane and Walter Road in River Ridge, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 80 feet, lab

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

testing, and engineering analyses including net allowable soil bearing values, below ground foundation recommendations, allowable pile load capacities, estimates of settlement, and general construction procedures and recommendations. ($7,500 (fee); 2018)

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Joseph H. "Trey" Binder, III
Laboratory Manager

Project Assignment:

Laboratory Manager; Laboratory Technician

Name of Firm with which associated:

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

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

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

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Graduate Geotechnical Engineer/Engineering Intern

Name of Firm with which associated:

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

Years experience with this Firm:

3 years with this firm (2019); 5 years total (2017)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

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

Ole Miss Sewer Force Main, City of Kenner, LA. Geotechnical engineering services for the construction of a new sewer force main along Ole Miss Drive from the John Hopkins Lift Station to 35th Street within Kenner, LA. The force main will be 10-inches in diameter, approximately 2,100 linear feet, and installed 10 to 15

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Sarah E. Lockwood (continued)

feet deep via directional drilling. Gulf South's scope includes drilling four undisturbed soil borings to depths of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (Kenner PW-2020-2-SW) ($8,000 (fee); ongoing)

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

Soniat Canal Stabilization, Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of the stabilization of the east bank of Soniat Canal for approximately 1,700 linear feet in Harahan, LA. Gulf South's scope includes drilling three undisturbed soil borings to depths of 50 feet below the ground surface, laboratory testing, engineering analyses (slope stability analysis) and general construction procedures and recommendations. ($10,000 (fee); 2020)

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

Jefferson Parish Fire Fleet Maintenance Facility - New Paved Areas, Jefferson Parish, LA. Geotechnical engineering services for the construction of new paved areas for fire trucks at the Jefferson Parish Fleet Maintenance facility at 4901 Jefferson Highway in Jefferson, LA. Gulf South's scope includes drilling four undisturbed soil borings (b.g.s.; four at 8 ft.), laboratory testing, engineering analyses and general construction procedures and recommendations. ($2,800 (fee); 2019)

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Boutwell
Construction Materials Testing (CMT) Supervisor

Project Assignment:

Construction Materials Testing (CMT) Supervisor

Name of Firm with which associated:

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

Years experience with this Firm:

10 years with this firm (2012); 13 years total (2009)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Boutwell (continued)

Patriot Street Lift Station, Metairie, Jefferson Parish, LA. Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. ($30,000 (fee); 2016)

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

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

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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Ross L. White
Soil Boring Driller

Project Assignment:

Soil Boring Driller

Name of Firm with which associated:

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

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

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

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ross L. White (continued)

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

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

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

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

Geotechnical Engineering Desk Study (GEDS) for Haynes Boulevard Sewer Line Rehabilitation Project, New Orleans, LA. Gulf South executed a Geotechnical Engineering Desk Study (GEDS) with field survey for existing sewer drainage line improvements off Haynes Boulevard, and adjacent to U.S. Army Corps of Engineers (USACE) levees/floodwalls, in Orleans Parish, LA. Gulf South's scope includes submitting a FOIA (Freedom of Information Act) request to USACE for historical geotechnical data & analyses. Gulf South also performed engineering analysis including slope stability, heave, and seepage studies. The survey cross-section was performed by BFM Corporation, LLC. ($15,000 (fee); 2019)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Wyatt M. Jones
Field Supervisor; Drilling and Engineering Technician

Project Assignment:

Field Supervisor; Drilling and Engineering Technician

Name of Firm with which associated:

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

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

Construction Management, Delgado College (ongoing)

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

Mr. Jones serves as a Field Engineer with Gulf South Engineering and Testing, providing drilling and engineering support services on a variety of projects. His experience includes soil boring logging, field and site reconnaissance, and soil & concrete material testing. Mr. Jones' project responsibilities have included overseeing drilling operations, planning, and coordination of field tasks. He has served as a client liaison, assembled boring layout plans, and supervised drill crews onsite while classifying testable soil samples. In previous positions, Mr. Jones performed all duties of a CCRL accredited lab, including monitoring and coordinating calibrations for all lab and field equipment, performing various tests on concrete and soil specimens, recording and organizing test results. As a CCTV operator, he piloted a robotic operations system underground shooting video of sewer and utility lines; this included using sonar and GPS coordinates to pinpoint utility locations.

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

Ole Miss Sewer Force Main, City of Kenner, LA. Geotechnical engineering services for the construction of a new sewer force main along Ole Miss Drive from the John Hopkins Lift Station to 35th Street within Kenner, LA. The force main was 10-in in diameter, approximately 2,100 lf, and installed 10 to 15 feet deep via directional drilling. Gulf South's scope includes drilling four undisturbed soil borings to depths of 20 ft bgs, laboratory testing, engineering analyses and general construction procedures and recommendations. (Kenner PW-2020-2-SW) ($8,000 (fee); 2021)

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:	
Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, Jefferson Parish, Louisiana **Shread-Kuyrkendall & Associates, Inc.** 104 Campus Drive East, Suite 102 Destrehan LA 70047 **Steve P. Breeding, P.E.**, 985-764-4060 sbreeding@skaengr.com	Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2019	N/A	$15,000 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Patriot Street Lift Station, Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **Public Works Department** 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123 **Reda M. Youssef, P.E.**, 504-736-6783 JPPW@jeffparish.net	Project consisted of the construction of a new sewer lift station for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2016	N/A	$30,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, Louisiana **Jefferson Parish** **Public Works Department** 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123 **Reda M. Youssef, P.E.,** 504-736-6783 JPPW@jeffparish.net	Project consisted of the construction of several thousand linear feet of sewer force main for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2016	N/A	$10,000 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Relocation of Lift Station L-12-3, Marrero, Jefferson Parish, Louisiana **H. Davis Cole & Associates, LLC** 1340 Poydras St Ste 1850 New Orleans LA 70112-5278 **David M. Martin, P.E.,** 504-836-2020 dmartin@hdaviscole.com	Construction inspection and materials testing for new lift station and sewer pipe installed at Patriot Ave. and Avenue G in Marrero, LA. Services consist of in-place fill density testing and vibration monitoring.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2012	N/A	$15,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, Louisiana **Richard C. Lambert Consultants, LLC** 900 West Causeway Approach Mandeville LA 70471 **Franz J. Zemmer,** 985-727-4449 fzemmer@rclconsultants.com	Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2020	N/A	$8,500 (fee)

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

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, Louisiana **Jefferson Parish** **Public Works Department** 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123 **Reda M. Youssef, P.E.,** 504-736-6783 JPPW@jeffparish.net	Project consisted of the construction of a new sewer lift station and below grade piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2016	N/A	$10,000 (fee)

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

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, Louisiana **Professional Engineering & Environmental Consultants (PEEC), Inc.** 1065 Muller Parkway Suite B Westwego LA 70094 **Jeff Meyers**, 504-347-1900 jeff@peecinc.com	Geotechnical investigation for a new sewer lift station (8 ft. diameter and 12 ft. bgs) at intersection of Butler Dr. and Grambling St. in Waggaman, LA. Gulf South's scope includes drilling one undisturbed soil boring to a depth of 60 feet, lab testing, and engineering analyses including net allowable soil bearing values, bedding and backfill recommendations, allowable pile load capacities, estimate of settlement, and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2018	N/A	$7,500 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	**Nature of Firm's Responsibility:**	
New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, Louisiana **Pivotal Engineering, LLC** 1515 Poydras Street Suite 1875 New Orleans LA 70112 **Yoseph Shifare, E.I.**, 504-799-3653 yshifare@pivotaleng.com	Geotechnical investigation for construction of a new sewer lift station near the intersection of Elmwood Park Boulevard and Citrus Boulevard in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 80 ft), lab testing, and engineering analyses including net allowable soil bearing values (as appropriate), below grade foundation recommendations, allowable pile load capacities (timber), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
2018	N/A	$7,500 (fee)

TEC Professional Services Questionnaire

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

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

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

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

CRITERIA 1 • PROFESSIONAL TRAINING AND RELATED EXPERIENCE

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

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

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

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

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

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

Field Investigation Services

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

Laboratory Testing Services

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

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

Construction Materials Testing & Inspection

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

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

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

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

CRITERIA 6 • SIZE OF FIRM

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

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

- *Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA*
- *New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, LA*
- *Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA*
- *N. Sibley Drainage Improvements (N. Sibley at W. Napoleon), Metairie, Jefferson Parish, LA*
- *Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA*
- *Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA*
- *Jefferson Parish Dept. of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA*
- *New Charter School, Behrman Highway, Terrytown, Jefferson Parish, LA*
- *Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA*
- *Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA*
- *Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA*
- *Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, Jefferson Parish, LA*
- *Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA*
- *West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA*
- *Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA*
- *Westgate Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Bike Path Soil Borings, Jefferson Highway to Northline Street, Jefferson Parish, LA*
- *Green Acres Road - New Street Lighting, Metairie, Jefferson Parish, LA*
- *New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA*
- *New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA*
- *Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA*

TEC Professional Services Questionnaire

N. continued.

- *Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA*
- *Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA*
- *New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA*
- *Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA*
- *New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA*
- *St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA*
- *Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA*
- *Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA*
- *Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA*
- *Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA*
- *Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, LA*
- *Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA*
- *Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA*
- *St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA*
- *Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA*
- *David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA*
- *Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA*
- *New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA*
- *Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA*
- *Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA*

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

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

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

Title: Vice President **Date:** March 10, 2022

ECM Consultants, Inc.
1301 Clearview Parkway, Suite 200, Metairie, Louisiana 70001