

Providing for the Future



**SOQ No. 25-005:
PROVIDE PROFESSIONAL ENGINEERING SERVICES FOR THE SALA
AVENUE HISTORIC DISTRICT DRAINAGE FEASIBILITY ANALYSIS
AND IMPROVEMENTS PROJECT**



Proposal # **2025-999-065**



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provide Professional Engineering Services for the Sala Avenue Historic District Drainage Feasibility Analysis and Improvement Projects
SOQ No. 25-005

B. Firm Name & Address:

Providence Engineering and Environmental Group LLC
2200 Veterans Memorial Boulevard, Suite 102
Kenner, LA 70062

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

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

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

Murtada Mousa, P.E., M.S., PMP, CFM, Project Manager
(504) 454-1710
Louisiana License No. 47248

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

<u>25</u>	Administrative	<u>0</u>	Estimators	<u>0</u>	Specification Writers
<u>0</u>	Architects (Licensed)	<u>3</u>	Geologists	<u>0</u>	Structural Engineers
<u>0</u>	Chemical Engineers	<u>0</u>	Geotechnical Engineers	<u>0</u>	Graduate Engineers
<u>9</u>	Civil Engineers	<u>0</u>	Interior Designers	<u>11</u>	Project Managers
<u>7</u>	Construction Inspectors	<u>0</u>	Landscape Architects	<u>3</u>	Clerical
<u>5</u>	Ecologists	<u>3</u>	Land Surveyor (crew)	<u>0</u>	Grant/Funding Specialist
<u>0</u>	Electrical Engineers	<u>0</u>	Mechanical Engineers	<u>0</u>	Sanitary Engineers
<u>2</u>	Engineer Intern	<u>3</u>	Environmental Engineers	<u>34</u>	Other: Environmental Scientists, Technicians
<u>1</u>	Professional Land Surveyors	<u>6</u>	Other: Draftsmen/AutoCAD	<u>112</u>	TOTAL

F. Is this submittal by a JOINT VENTURE? Please check: Yes ☐ No ☒

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

Yes ☐ No ☐

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
Gulf South Engineering and Testing, Inc.	Survey and Geotechnical	Yes
Dana Brown & Associates, Inc.	Landscape Architect	Yes

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

17

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Gary J. Leonards, P.E.
Engineering Principal

Project Assignment:

Principal

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: **20**

Education: Degree(s)/Year/Specialization:

BS/1998/Biological Engineering, Environmental Engineering Minor

Active registration: Year first registered/discipline:

2003/Professional Civil Engineer/LA License No. 30568

Other experience and qualifications relevant to the proposed Project:

Gary Leonards, P.E. has over 24 years of experience in civil engineering. His background includes design, studies, regulatory permitting, engineering oversight, field investigations, risk-based evaluations, and closure planning for various types of waste treatment and disposal facilities. Infrastructure project experience includes roadways, drainage systems, levees, water treatment facilities, sanitary sewer systems, pump stations, force mains, landfills, surface impoundments, oxidation ponds, solid and hazardous waste containment systems, municipal and commercial drainage studies, storm water runoff evaluations, storm water conveyance design, and erosion/runoff control measures. Mr. Leonards has prepared permit modifications, developed closure plans for waste disposal facilities, developed surface water and leachate management solutions, performed hydrogeological investigations, and overseen geotechnical evaluations including settlement calculations, stability analysis and soil classification. In addition, his background includes water quality evaluations of restoration projects as well as reclamation of marsh and open water areas with dredge material. Mr. Leonards has been involved in several components of public transportation projects including environmental studies, project permitting and cost estimating, preliminary line and grade design, and construction quality assurance/quality control.

Engineering Principal: *PEC, Pruden Creek Drainage Report, St. Tammany Parish, LA.* Providence delineated the necessary watersheds on Pruden Creek and established sub-basins to determine the runoff to be utilized as input to the hydraulic model. Model runs included 10, 25, 50, and 100-year storm events for existing and proposed future conditions. The model accurately simulated "real world" events by utilizing data sources from St. Tammany Parish, U.S. Geological Survey, the Corps of Engineers, and/or the National Weather Service. This project determined proposed channel improvements, cross-culvert improvements, and the option for a parish-owned detention facility on parish-owned property. Providence delivered a

TEC Professional Services Questionnaire

preliminary and final report that included construction costs for the recommended major drainage conveyance structures or laterals, and a comprehensive report summarizing all activities and results.

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

Project Principal: *Delta Southern, Drainage Impact Analysis, Ascension Parish, LA.* Prepared a drainage impact analysis for a proposed parking and laydown area. The analysis used the topographic survey information, the surrounding hydrologically impacting areas, and the data collected on the existing drainage conveyance infrastructure surrounding the proposed facility. The analysis used HydroCAD modeling software to model stormwater runoff for existing development, post-development, and final drainage conditions for the property to the west and south. The final drainage design conditions incorporated mitigation measures to avoid adversely impacting drainage for the surrounding properties and to the receiving drainage structures downstream. Providence also prepared a report containing the results of the modeling efforts for each condition. Drawings were included in the report depicting proposed drainage features and any recommended mitigation measures for stormwater runoff.

Project Manager/Engineer: *West Baton Rouge Parish Government, West Baton Rouge Diversion Canal Phases I, II, and III, CDBG Project, West Baton Rouge Parish, LA.* Assistance in the preparation of an application to the Louisiana Office of Community Development Disaster Recovery Unit for funding under the Hurricanes Gustav and Ike Community Development Block Grant Recovery Program. Project includes engineering and design services for construction of a 3,700-foot diversion canal connecting to the Intracoastal Waterway to improve storm water drainage from northern sections of the parish. Scope of work also includes: pre-construction conference assistance; bid package assistance, supervision of the advertisement, tabulation and award process; field staking; construction supervision; if acquisition of property/servitude/rights-of-way is needed by the parish, preparation of property boundary maps and legal descriptions of each parcel to be acquired; review, approval and submission of contractor payment requests; submission of reproducible plan drawings and certified as-built drawings upon project completion; local, state and federal permitting; inspections; and project reporting.

Project Engineer/Principal: *LA DOTD IDIQ Contract for Construction Engineering Management and Staff Augmentation Services for District 62, St. Helena, Livingston, St. John, St. Tammany, Tangipahoa & Washington Parishes, LA. LA 1026 Widening, Route LA 1026, Livingston Parish, LA.* Providence provided CE&I services for Phase 4, Utility Relocation, and Phase 6, Construction, relative to the widening of LA 1026 (Juban Rd.) from I-12 to US 190 in Livingston Parish. This project consists of providing Construction Engineering and Inspection (CE&I) services to oversee the removal of the existing US 190 and LA 1026 signalized intersection and replacing it with a roundabout. The project consists of widening both US 190 and LA 1026, installing drainage and curbing, milling, and overlaying asphalt, and relocating all utilities within the corridor. The utility relocation coordination and oversight are included services under this contract. The approximate length of the project is 5,470 feet.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Murtada Mousa, P.E., M.S., PMP, CFM
Engineering Supervisor

Project Assignment:

Project Engineer/Project Manager

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: **2**

Education: Degree(s)/Year/Specialization:

MS/2020/Civil & Coastal Engineering
BS/2016/Civil Engineering

Active registration: Year first registered/discipline:

2022/Professional Civil Engineer/LA License No. 47248
2024/Project Management Professional/3886889
Certified Flood Plain Manager US-23-12914

Other experience and qualifications relevant to the proposed Project:

Murtada Mousa, P.E., M.S., PMP, CFM, has over seven years of professional engineering experience. He has worked on numerous roadway improvement projects, drainage enhancements, construction, coastal, sewer, and hydrological & hydraulic projects. Mr. Murtada's specific drainage improvement projects include the upgrade of catch basins, conveniences, roadway pavements, and erosion control measurements for the Lutchter High School campus in St. James Parish, and the full plans for a new residential development in Lake Charles, Louisiana. In addition to the design of the sewer, electrical, water, and roadway systems and wastewater collection stations, he also designed the runoff management plan and the drainage system for the 164 lots. The drainage system included cross and side drains, open ditches, and detention ponds. Mr. Mousa has a bachelor's degree and a master's degree with a concentration in geotechnical/coastal engineering from the University of New Orleans.

Project Engineer: *Confidential Client, Ironton Area Drainage System Improvements, Plaquemines Parish, LA.* **Providence** was contracted to perform surveying, preliminary engineering, construction cost estimating, and project management services associated with stormwater drainage system upgrades in Ironton, LA. The scope of work includes a topographic survey to collect general elevation information along with the existing catch basins and conveyances, existing ditches, existing roadways and pavement, above-grade utilities, rights of ways and servitudes, and other above-grade features. Providence is modeling the existing drainage system using the collected survey data and information provided by Plaquemines Parish to propose two options and recommendations for the stormwater drainage upgrades. Preliminary engineering drawings are being developed for each option and included existing conditions hydraulic modeling results, proposed conditions modeling results, preliminary engineering plans, and estimated construction quantities and costs. After review of the preliminary design and associated construction costs estimates has been completed, Providence will prepare an updated set of preliminary plans that incorporate any stakeholders' requested edits. After completion of the preliminary civil engineering, Providence will prepare a construction budget for the drainage upgrades. Providence will facilitate meetings with all the project stakeholders to gather input and data to identify engineering solutions to ensure efficient, effective solutions for the

TEC Professional Services Questionnaire

drainage upgrades. Providence is also providing overall project management services that includes monthly project updates and the scheduling and attending of necessary project meetings.

H&H Project Engineer: *PEC, Inc. Pruden Creek Drainage Report, St. Tammany Parish, LA.* The project involved defining the required watersheds and sub-basins of Pruden Creek to assess runoff for use in a hydraulic model. The study focused on evaluating runoff for 10, 25, and 100-year storm events, as well as assessing existing hydraulic structures in an area experiencing recurring flooding. Providence delineated the necessary watersheds on Pruden Creek and established sub-basins to determine the runoff to be utilized as input to the hydraulic model. This project reviewed potential channel improvements, cross-culvert improvements, and a possible detention facility on parish-owned property. Providence will deliver a preliminary and final engineering report that will include construction costs for the recommended major drainage conveyance structures or laterals, and a comprehensive report summarizing all findings, activities, and results.

Project Engineer: *St. James Parish Public School System, Lutchter High School Drainage Project – Phase I, St. James Parish, LA.* This project consisted of improving and upgrading an existing under-sized subsurface drainage system within the Lutchter High School sports complex. XPSWMM hydraulic software has been mainly utilized to estimate surface runoffs then to size adequate catch basins and conveyances. Mr. Mousa is the project manager for this project and his main duties involves drafting a scope of work for the filed survey team, preparing preliminary and final plans, cost estimates according to DOTD standards and specifications and St. James Parish ordinances, site visits, and daily client management tasks.

Project Engineer: *City of Patterson Sewer Lift Station Rehabilitation, Patterson, LA.* Providence is providing engineering design services to assist with the rehabilitation of nine sewer lift stations (SLS). Providence first completed a design study to evaluate and determine the best options for the SLS upgrades. Several design options for all nine SLS were investigated to assist in transporting peak flow conditions while maintaining allotted funding. Providence then evaluated the feasibility of the proposed options and explored multiple construction methods. In order to achieve the desired capacity and/or correct any deficiencies, existing conditions of each collection system's components were analyzed. Upon study completion, the client was provided with estimated construction cost as well as overall project cost that included all applicable services. The final pump station rehabilitation designs were based on the above-mentioned assessment and sewer user fee rate studies. The City of Patterson ultimately selected the alternative that includes the rehabilitation design and construction of the 9 SLS. SLS rehabilitation includes but is not limited to removal and replacement of electrical control panels for duplex pumps, pipping, valves, fittings, air release valves, pumps, and motors. A new bypass connection was included in this rehabilitation along with protective coating on the interior of the wet well.

Project Engineer: *Raw Water Intake Structure Pile Bent Replacement Project (Project No. WWKS 112), St. Charles Parish, LA.* This project is the replacement of nine timber piles with nine steel pile assemblies. The timber piles will be cut two feet below ground level and a steel pile will cap the remaining timber pile. A double-plate mechanism will be installed to allow the plates to be separated to bridge the gap between the existing decking and the new pile. Cross braces will be installed tying all three piles together. This strategy allows the decking to remain in place during construction.

Project Engineer: *LA DOTD Contract No. 4400023718; H.013340 Valhi Blvd. Multi-Use Trail, Phase1, Terrebonne Parish, LA.* As the Firm engineer of record for the Valhi Boulevard extensions from Hollywood Boulevard to Savanne Road, Providence was tasked with integrating the long-term master plan for Valhi Boulevard from Civic Center Boulevard to its future terminus at LA Highway 90. This additional design task for the multiuse trail that will begin at the Southdown Trailhead west of Cottage Drive to Civic Center Boulevard. included an additional two lanes, utility corridors, and bike trails. This specific design of the multiuse trail required extra design expertise to ensure the trail location does not hinder existing and future utilities or the future two lanes. Providence provided the surveying, design, and construction support for this project. Specific surveying services were provided for this public project through DOTD as dictated by the DOTD Location and Survey Manual. This included running a closed level loop utilizing a Leica LS-15 digital level, for 1st order level accuracies, on all control points and temporary benchmarks throughout the project area. GPS static and RTK observations were also performed on all horizontal control and a GPS control sketch was produced accordingly. Conventional GPS and terrestrial surveying were performed using DOTD coding and linework referencing the established control network, including attribute loading all necessary survey data during the field operations. The standard survey MicroStation file deliverables were provided to the client as required by the Location and Survey Manual.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Andrew Bull, P.E.
Engineering Director

Project Assignment:

QA/QC Manager, Engineering Support

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: **1**

Education: Degree(s)/Year/Specialization:

BS/2017/Civil Engineering

Active registration: Year first registered/discipline:

2022/Professional Civil Engineer/ LA License No. 47125

Other experience and qualifications relevant to the proposed Project:

Andrew Bull, PE, has over 5 years of engineering experience that includes projects in both the public and private sectors. Mr. Bull has provided engineering and construction consultation to clients in the transportation, industrial, commercial development, coastal restoration, and marine industries on civil infrastructure projects including bridges, roadways, refining/chemical/process facilities, healthcare facilities, marsh creation, dredging, flood control structures, shoreline stabilization, marine terminal facilities, among others. The bulk of his experience lies in the geotechnical sub-discipline of civil engineering including site characterization and improvement, shallow and deep soil mixing of chemical admixtures, analysis of shallow/deep foundations, slope stability evaluations, settlement evaluations, regulatory permitting, and engineering reporting. Mr. Bull is experienced in project management, construction inspection, quality control/quality assurance programs, and project coordination. Prior to joining Providence, Mr. Bull served as a senior project engineer (geotechnical) for Fugro USA Land, Inc. on a variety of projects across the Louisiana and Texas Gulf Coast.

Project Engineer: *Calcasieu Parish Transportation Initiative, LA 1256 at Walker Road Intersection Improvements, Calcasieu Parish, LA.* Providence is providing engineering design and construction monitoring services for the LA 1256 at Walker Road Intersection Improvements Project. The intersection of LA 1256 south of Sulphur from Walker Road to Patton Street will widen the roadway with a lane being added in both the north and south directions. This project also includes the widening of an existing box culvert at a drainage canal crossing and construction of new wingwalls.

Project Engineer: *PEC, Pruden Creek Drainage Report, St. Tammany Parish, LA.* Providence delineated the necessary watersheds on Pruden Creek and established sub-basins to determine the runoff to be utilized as input to the hydraulic model. Model runs included 10, 25, 50, and 100-year storm events for existing and proposed future conditions. The model accurately simulated "real world" events by utilizing data sources from St. Tammany Parish, U.S. Geological Survey, the Corps of Engineers, and/or the National Weather Service. This project determined proposed channel improvements, cross-culvert improvements, and the option for a parish-owned detention facility on parish-owned property. Providence delivered a preliminary and final report that included construction costs for the recommended major drainage conveyance structures or laterals, and a comprehensive report summarizing all activities and results.

TEC Professional Services Questionnaire

Project Engineer: *Confidential Client, Drainage Engineering & Modeling, Cameron Parish, LA.* Providence provided drainage engineering and modeling services for the external reroute conveyance needed for construction of a confidential facility in Cameron Parish, LA. The scope of work included analyzing the existing drainage conditions, exploring options to design a new conveyance system around the proposed facility, and a site visit along with reviewing information in the Proposed Channel Maintenance in Cameron Area Report prepared by a third party. The main drainage feature will be consumed by the facility footprint and the proposed flood wall will impede flow and eliminate storage. Providence designed a larger conveyance system to accommodate the required conveyance and storage to maintain/improve the existing drainage conditions. The analysis used HEC-RAS 2-D modeling software to generate water surface elevations and flow rates that were monitored at critical points to compare existing flood waters and conveyance with the proposed reroute conveyance system. Existing structures, such as culverts and bridges, were modeled and for the proposed conditions these structures were either removed if they fell within the facility footprint or improved. In addition, structures were added to the new conveyance system that were deemed necessary, to convey the needed amount of stormwater effectively. The determination of the needed conveyance and structures was determined through an iterative process by comparing different HEC-RAS 2-D model outputs.

Project Engineer: *Confidential Client, Drainage Engineering & Modeling (Two Proposed Sites), Cameron Parish, LA.* Hydrologic modification impact analyses were completed for both proposed project sites. Each analysis used HEC-RAS 2-D modeling software to generate water surface elevations and flow rates that were monitored at critical points to compare existing flood waters and conveyance of the proposed conveyance system around proposed development. The most recent 2017 LiDAR imported from USGS website was used for the existing terrain along with a survey conducted by Providence. In addition, the corresponding soil survey and 2019 NRCS land cover map was downloaded to properly model the infiltration and runoff co-efficient. Existing structures, such as culverts and bridges, were modeled with structures being added where necessary to convey the required amount of water.

Project Engineer: *Delta Southern, Drainage Impact Analysis, Ascension Parish, LA.* Prepared a drainage impact analysis for a proposed parking and laydown area. The analysis used the topographic survey information, the surrounding hydrologically impacting areas, and the data collected on the existing drainage conveyance infrastructure surrounding the proposed facility. The analysis used HydroCAD modeling software to model stormwater runoff for existing development, post-development, and final drainage conditions for the property to the west and south. The final drainage design conditions incorporated mitigation measures to avoid adversely impacting drainage for the surrounding properties and to the receiving drainage structures downstream. Providence also prepared a report containing the results of the modeling efforts for each condition. Drawings were included in the report depicting proposed drainage features and any recommended mitigation measures for stormwater runoff.

Project Engineer: *JJ's Dirt & Dozer, LLC, Drainage Impact Study, Tangipahoa Parish, LA.* Providence assisted with the preparation of the LDEQ Solid Waste Permit Application, engineering design and modifications, regulatory water permitting and USACE/Wetland permitting, miscellaneous survey services, and a drainage impact study (DIS) for compliance with Tangipahoa Parish ordinances. The DIS used HEC-RAS modeling software to assess the pre- and post-drainage conditions of the future final cap construction and to design any mitigation efforts needed to ensure the 25-year and the 100-year peak stormwater runoff is less than the existing condition per the Tangipahoa Parish code of ordinances. A topographic survey was conducted to assess the existing drainage structures and soil data, and National Land Cover Data (NLCD) was imported for the model. A drone flight using aerial LiDAR was also conducted to capture other terrain features needed for the study that were not updated by the USGS. Per Tangipahoa Parish ordinance requirements, two 24-hour Soil Conservation Service (SCS) Type III storms were analyzed, with the 100-year being the design storm event. Using the 100-year storm event, an existing condition was created, and five existing structures were added into the base model. The DIS study was complete and a report was delivered to the client for submittal to the Parish.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Ian Smith, E.I.
Engineer Intern

Project Assignment:

Hydrological and Hydraulic Engineer

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: **2**

Education: Degree(s)/Year/Specialization:

MS/2023/Civil Engineering
BS/2019/Environmental Engineering

Active registration: Year first registered/discipline:

2020/Civil Engineer Intern/ LA License No.34373

Other experience and qualifications relevant to the proposed Project:

Ian Smith, EI, has a master's degree in civil engineering with a concentration in Water Resources along with a bachelor's in environmental engineering. His master's degree program included intensive study in hydraulics and water modeling as well as machine learning algorithms. He has more than two years of experience in civil engineering and water modeling including projects that require a Hydraulic Modification Impact Analysis, Drainage Impact Analysis, and Watershed Analysis. His water modeling experience includes HEC-RAS 1-D and 2-D modeling, HydroCAD, SWMM, as well as understanding the rational method. He also has experience with AutoCAD Civil3D and has assisted with project drawings and drafting.

Engineer Intern: *PEC, Pruden Creek Drainage Report, St. Tammany Parish, LA.* Providence delineated the necessary watersheds on Pruden Creek and established sub-basins to determine the runoff to be utilized as input to the hydraulic model. Model runs included 10, 25, 50, and 100-year storm events for existing and proposed future conditions. The model accurately simulated "real world" events by utilizing data sources from St. Tammany Parish, U.S. Geological Survey, the Corps of Engineers, and/or the National Weather Service. This project determined proposed channel improvements, cross-culvert improvements, and the option for a parish-owned detention facility on parish-owned property. Providence delivered a preliminary and final report that included construction costs for the recommended major drainage conveyance structures or laterals, and a comprehensive report summarizing all activities and results.

Engineer Intern: *K&M Project Services, LLC, Leconte Estates Engineering and Permitting, Calcasieu Parish, LA.* Engineering and permitting assistance associated with the Leconte Estates subdivision development. Scope of work included an updated Drainage Impact Analysis using HydroCAD for entire Development, Subsurface drainage design, Assistance with Parish Permitting, and General Engineering Assistance throughout redesign efforts.

Engineer Intern: *Delta Southern, Drainage Impact Analysis, Ascension Parish, LA.* Prepared a drainage impact analysis for a proposed parking and laydown area. The analysis used the topographic survey information, the surrounding

TEC Professional Services Questionnaire

hydrologically impacting areas, and the data collected on the existing drainage conveyance infrastructure surrounding the proposed facility. The analysis used HydroCAD modeling software to model stormwater runoff for existing development, post-development, and final drainage conditions for the property to the west and south. The final drainage design conditions incorporated mitigation measures to avoid adversely impacting drainage for the surrounding properties and to the receiving drainage structures downstream. Providence also prepared a report containing the results of the modeling efforts for each condition. Drawings were included in the report depicting proposed drainage features and any recommended mitigation measures for stormwater runoff.

Engineer Intern: *Confidential Client, Drainage Engineering & Modeling, Cameron Parish, LA.* Providence provided drainage engineering and modeling services for the external reroute conveyance needed for construction of a confidential facility in Cameron Parish, LA. The scope of work included analyzing the existing drainage conditions, exploring options to design a new conveyance system around the proposed facility, and a site visit along with reviewing information in the Proposed Channel Maintenance in Cameron Area Report prepared by a third party. The main drainage feature will be consumed by the facility footprint and the flood wall to be constructed will impede flow and eliminate storage, so Providence designed a larger conveyance system to accommodate the needed conveyance and storage to maintain/improve the existing drainage conditions. The analysis used HEC-RAS 2-D modeling software to generate water surface elevations and flow rates that were monitored at critical points to compare existing flood waters and conveyance with the proposed reroute conveyance system. Existing structures, such as culverts and bridges, were modeled and for the proposed conditions these structures were either removed if they fell within the facility footprint or improved. In addition, structures were added to the new conveyance system that were deemed necessary, to convey the needed amount of stormwater effectively. The determination of the needed conveyance and structures was determined through an iterative process by comparing different HEC-RAS 2-D model outputs.

Engineer Intern: *Confidential Client, Ironton Area Drainage System Improvements, Plaquemines Parish, LA.* Providence was contracted to perform surveying, preliminary engineering, construction cost estimating, and project management services associated with stormwater drainage system upgrades in Ironton, LA. The scope of work includes a topographic survey to collect general elevation information along with the existing catch basins and conveyances, existing ditches, existing roadways and pavement, above-grade utilities, rights of ways and servitudes, and other above-grade features. Providence is modeling the existing drainage system using the collected survey data and information provided by Plaquemines Parish to propose two options and recommendations for the stormwater drainage upgrades. Preliminary engineering drawings are being developed for each option and included existing conditions hydraulic modeling results, proposed conditions modeling results, preliminary engineering plans, and estimated construction quantities and costs. After review of the preliminary design and associated construction costs estimates has been completed, Providence will prepare an updated set of preliminary plans that incorporate any stakeholders' requested edits. After completion of the preliminary civil engineering, Providence will prepare a construction budget for the drainage upgrades. Providence will facilitate meetings with all the project stakeholders to gather input and data to identify engineering solutions to ensure efficient, effective solutions for the drainage upgrades. Providence is also providing overall project management services that includes monthly project updates and the scheduling and attending of necessary project meetings.

Engineer Intern: *L&B Materials Management, LLC, Drainage Impact Study, Tangipahoa Parish, LA.* Providence assisted with the preparation of the LDEQ Solid Waste Permit Application, engineering design and modifications, regulatory water permitting and USACE/Wetland permitting, miscellaneous survey services, and a drainage impact study (DIS) for compliance with Tangipahoa Parish ordinances. The DIS used HEC-RAS modeling software to assess the pre- and post-drainage conditions of the future final cap construction and to design any mitigation efforts needed to ensure the 25-year and the 100-year peak stormwater runoff is less than the existing condition per the Tangipahoa Parish code of ordinances. A topographic survey was conducted to assess the existing drainage structures and soil data, and National Land Cover Data (NLCD) was imported for the model. A drone flight using aerial LiDAR was also conducted to capture other terrain features needed for the study that were not updated by the USGS. Per Tangipahoa Parish ordinance requirements, two 24-hour Soil Conservation Service (SCS) Type III storms were analyzed, with the 100-year being the design storm event. Using the 100-year storm event, an existing condition was created, and five existing structures were added into the base model. The DIS study was complete and a report was delivered to the client for submittal to the Parish.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Daniel Martin

Senior CAD Technician/Senior Draftsman

Project Assignment:

CAD Specialist

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: **47**

Education: Degree(s)/Year/Specialization:

1975/Drafting

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Daniel Martin has more than 40 years of experience as a Design Draftsman, working closely with graphic presentation of complex items having distinctive design features that differ significantly from established drafting precedents, as well as design plans. Mr. Martin analyzes effects of changes on the details of form, function, and positional relationships of components and parts. He is responsible for the preparation of construction drawings, including transferring field notes into work drawings. He is also experienced in cost estimating and material takeoffs. Mr. Martin has gained valuable field experience by working on a survey party for more than five years. He has completed courses in computer science, CAD, and AutoCAD and is experienced in electronic plan preparation. He also has experience in operating AutoCAD Civil3D to create civil plans for water, gas, and drainage utilities. Mr. Martin specializes in CAD drafting of utilities, mainly sewer, water, and gas systems.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Baroid Pump Station, Bayou LaCarpe Drainage Improvements Phase D, Parish Project No. 06-DRA-45, Terrebonne Parish, LA.* Project oversight for construction of a new drainage pump station to replace the existing one. Scope of work includes engineering design and construction administration for a pile-supported pre-cast concrete drainage pump station substructure consisting of a pump deck and lower deck of galvanized steel grating over structural steel support bracing. Intake basin includes an anchored steel sheetpile bulkhead with concrete bottom. Further work consists of excavation of intake basin, backfill and final grading, limestone surface, access ramp, 48-inch and 117-inch x 79-inch culverts, catch basins, 60-inch steel by-pass pipe, timber dolphins, riprap for shore protection, discharge piping, fuel system, pump and engine installation. Existing station removed once new one operational. Includes preparation of a CDBG-DR grant application, as well as permitting, surveying and utility coordination, right-of-way acquisitions, geotechnical coordination, and bidding assistance, apart from civil, structural, mechanical and electrical engineering design. Total discharge capacity of 400 cfs.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Summerfield Drainage Pump Station Upgrades, Parish Project No. 09-DRA-10, Terrebonne Parish, LA.* Scope of work included engineering design and construction

TEC Professional Services Questionnaire

administration for a new 4-bay pile-supported pre-cast concrete pump station substructure with three 48-inch diameter pumps, together with steel sheetpile bulkhead, discharge piping, barscreens with automatic rake systems, pre-engineered metal building, fuel system, pumps and engine installation, electrical system, SCADA/telemetry system and generator; in addition were excavation and embankment, discharge support bents, by-pass piping, motorized control gates, two 2,000-gallon double-wall fuel tanks, concrete sump, solar electric power, demolition of old pump station, fencing and related items. The station required a pre-cast concrete bridge deck for access and was designed to handle truck loads supporting pumps, equipment, and maintenance vehicles; also included concrete and metal railing for access and aggregated roadway. During construction, normal pumping capacity at the existing pump station was maintained. Professional services included project management and representation, engineering design (civil, structural, electrical, and mechanical), plans and specifications, permitting, and bidding assistance. Further required geotechnical and utilities coordination, hydraulics design, wetlands determination, storm water runoff and SPCC plan, surveying and right-of-way acquisitions, along with CDBG-DR grant application.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Suzie Canal (North) Levee Extension (CDBG), Project No. 10-LEV-31, Terrebonne Parish, LA.* Construction of 13,000 linear ft. of levee between the northern boundary of Cane Break subdivision to Bobtown Bridge Road. Project included refurbishing the Cane Break forced drainage levee and new construction of levee for forced drainage to the community of Bobtown.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Upper Little Caillou Pump Station (HMGP) Project, Terrebonne Parish, LA.* The scope of work includes a new 4-bay pre-cast concrete pump station sub-structure and access bridge together with excavation and embankment, steel sheetpile bulkhead, steel discharge piping, discharge support bents, pre-engineered metal building, four new pumps and engines, automatic trash rakes, station lighting, 4,000 gallon double wall fuel tank, concrete sump, fencing, demolition of old pump station, back-up generator power, telemetry and SCADA system, aggregate roadway and other items of work in connection therewith.

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

Drafting/CAD: *Terrebonne Parish Consolidated Government, Bayou LaCarpe Drainage Improvements, Location "D" (Magnolia and Barringer Street Subsurface Drainage), Terrebonne Parish, LA.* The project is the removal of existing piping and the installation of 1,758-ft. of drainage pipes ranging from 15-inch diameter to 36-inch diameter in size, upgrading existing catch basins, fixing erosion along existing pipe with concrete collars and catch basin replacement, and tying in existing downspouts to drainage system.

Drafting/CAD: *Lutcher High School Campus Drainage Improvements, St. James Parish, LA.* Work consists of the installation of subsurface drainpipes and catch basins, removal and replacement of portland cement concrete, removal and replacement of asphalt, swale excavation, cleaning of existing drainpipes, connection to existing catch basins and other incidental items of work therewith.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Six-Foot Ditch Levee Repair, Terrebonne Parish, LA.* Relocation of approximately 5,400 linear ft. of levee along the 6-foot ditch from St. Louis Canal to near New Orleans Blvd. This work is based upon offsetting the existing levee away from the 6-foot ditch approximately 30 ft., degrading the existing levee and hauling in additional borrow material. This work required clearing and grubbing, wetland determination, wetland mitigation, permit approvals, additional geotechnical analysis, servitude acquisition and associated items of work.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Joshua Angelloz
Resident Inspector

Project Assignment:

Resident Inspector

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: **12**

Education: Degree(s)/Year/Specialization:

N/A

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Joshua Angelloz has more than twelve years of experience as a construction project technician. He has managed and performed inspections on numerous public works and infrastructure projects that include drainage, water, sewer, and gas main installations, dirt work construction (embankments and levees), roadways (proof roll, sub-base, base, asphalt, concrete placement, and testing), sidewalks and driveway placements, and inspection of forms and layouts of concrete pours. During concrete form and layout inspections, he has reviewed the rebar, baskets, mesh, grade, and emulsion sealant. Joshua has also worked with the Nuclear Density Testing of compaction and moisture in all forms of base (dirt, sand, limestone, and asphalt).

Project Representative: *Terrebonne Parish Consolidated Government, Forced Drainage Project 2-1A; Phase VI - Honeysuckle, Terrebonne Parish, LA.* Engineering and design for the replacing of undersized culverts within an existing ditch, installation of new subsurface drainage and catch basins, boring 36" diameter pipe under roadway, excavating ditches to proper grade and adjusting utilities as required.

Project Representative: *Terrebonne Parish Consolidated Government, Bayou LaCarpe Watershed Project, Location "A", Corporate Drive, Terrebonne Parish, LA.* The new scope of work consists of installing a 72" drain culvert in the outfall ditch from Hollywood Road to Morris P. Hebert's parking lot and widening the outfall ditch from this parking lot to the M&L Pump Station intake canal. Also included is a 5-acre dry detention basin to be located where the existing baseball field is presently located.

Project Representative: *Terrebonne Parish Consolidated Government, Bayou LaCarpe Drainage Improvements, Location "D" (Magnolia and Barringer Street Subsurface Drainage), Terrebonne Parish, LA.* Work consists of the installation of subsurface drain pipes and catch basins, removal and replacement of portland cement concrete, removal and replacement of asphalt, swale excavation, cleaning of existing drain pipes, connecting to existing catch basins and other incidental items of work therewith.

Project Representative: *Terrebonne Parish Consolidated Government, Bayou Chauvin Dredging Project, Terrebonne*

TEC Professional Services Questionnaire

Parish, LA. Work consists of the clearing, grubbing, excavation and dredging of Bayou Chauvin from Roberta Grove Subdivision to the Woodlawn Ranch Road pump station along with the cleaning of the concrete lined channel from Howard Avenue to North Boundary Court. The total length of the project is 22,350 linear feet.

DOTD-Certified Inspector: *Gilchrist Construction Company, LLC, Loyola Drive/Interstate 10 (I-10) Interchange to New Airport Terminal (LANOIA), SPN H.011670, Jefferson Parish, LA.* Providence is part of the Design/Build team for the construction of the new interchange for Interstate 10 to provide access to the new Louis Armstrong International Airport Terminal. As the Construction Quality Control Firm (CQCF), Providence has developed the Construction Quality Management Plan (CQMP) for the execution of the construction activities in accordance with current DOTD specifications and requirements. Responsibilities of the CQCF include plan development, monitoring construction activities, materials collection and testing, construction documentation, and project closeout. Some of the specific ongoing QC activities include bridge Construction (concrete piles, pile caps, pier columns, LG girder erection, Steel tub girder erection and bearing placement), Embankment & Base Course Construction, Non-plastic Embankment (sand), Class II Stone, Full Depth Asphalt, Subsurface Drainage (Portland Cement Concrete Paving and Asphaltic Concrete Paving), Temporary Traffic Control and Survey Verification. Specific project uniqueness has included nighttime work (girder erection and concrete deck pours) as well as planning for the inspection of work that had not yet been designed. (design-build).

Project Representative: *Port of South Louisiana, Resident Inspection for Runway 17-35, Reserve, LA.* Provide a qualified inspector to oversee construction on this project.

Project Representative: *Terrebonne Parish Consolidated Government, Hollywood Road Widening (LA 311 to Valhi Blvd) Terrebonne Parish, LA.* The work included in this project consisted of the construction of portland cement concrete pavement widening of Hollywood Road from La. Hwy. 311 to Valhi Boulevard. The total length of the project was approximately 3,400 linear feet.

Project Representative: *Town of Lockport, Lockport Sewer Rehabilitation-Phase I-IV, Lafourche Parish, LA.* Work consists of the construction of repairing the sources of inflow and infiltration in the gravity sewer system located in the Town of Lockport where determined during CCTV inspections. These repairs will include, but are not limited to, cast-in-place pipe, coating of manholes and point repairs. Replacement of pipe using open cut methods, and other required items of work in connection therewith, may be required if mechanical cleaning damages existing sewer gravity mains. Some road replacement will be required where open cut replacements are made within the roadway.

Project Representative: *Terrebonne Parish Veterans' Memorial District, Veterans' Memorial Museum Addition, Terrebonne Parish, LA.* A new 7,300 sf addition that included a new high bay exhibition pavilion and toilet facilities was added to the existing 6,500 sf museum. The exhibition pavilion was designed to display aircraft in the new 40-foot-tall addition. The new pavilion has a large glass wall facing the street providing a clear view into the space and the displayed aircraft for those passing by. The roof of the pavilion is supported by heavy steel beams that have 4,000 lb. capacity swivel hoist rings positioned to allow aircraft to be displayed in a variety of positions. The addition also includes a new toilet building to provide the code required number of fixtures. Plans for future expansion were accommodated in the design.

Project Representative: *Terrebonne Port Commission, Modification of ROSCO Buildings/Property for U.S Customs and Border Protection (CBP), Terrebonne Parish, LA.* Engineering design for modifications of a U.S. Customs office and related work. Included architectural and engineering modifications, in addition to construction administration services.

Project Representative: *Terrebonne Parish Consolidated Government, Critical Facilities Hardening - Courthouse Annex (HMGP), Terrebonne Parish, LA.* This project consisted of the installation of flood protection systems at existing opening into the building's basement; the installation of wind protection devices on existing windows on all floors; and replacement of existing storefront window walls with wind rated systems.

TEC Professional Services Questionnaire

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



PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Ironton Aera Drainage System Improvements Plaquemines Parish, LA</p> <p>Confidential Client</p> <p>Charlie Burt 504-343-8878</p>	<p>Providence was contracted to perform surveying, preliminary engineering, construction cost estimating, and project management services associated with stormwater drainage system upgrades in Ironton, LA. The scope of work includes a topographic survey to collect general elevation information along with the existing catch basins and conveyances, existing ditches, existing roadways and pavement, above-grade utilities, rights of ways and servitudes, and other above-grade features. Providence is modeling the existing drainage system using the collected survey data and information provided by Plaquemines Parish to propose two options and recommendations for the stormwater drainage upgrades. Preliminary engineering drawings are being developed for each option and include existing conditions hydraulic modeling results, proposed conditions modeling results, preliminary engineering plans, and estimated construction quantities and costs.</p> <p>After review of the preliminary design and associated construction costs estimates has been completed, Providence will prepare an updated set of preliminary plans that incorporate any stakeholders' requested edits. After completion of the preliminary civil engineering, Providence will prepare a construction budget for the drainage upgrades. Providence will facilitate meetings with all the project stakeholders to gather input and data to identify engineering solutions to ensure efficient, effective solutions for the drainage upgrades. Providence is also providing overall project management services that includes monthly project updates and the scheduling and attending of necessary project meetings.</p>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2025 (E)	\$6,500,000	\$153,580



TEC Professional Services Questionnaire

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Forest Avenue Drainage Improvements</p> <p>Lake Charles, LA</p> <p>Calcasieu Parish Police Jury PO Box 3287 Lake Charles, LA 70602</p> <p>Terry Frelot 337-721-3700 tfrelot@cppj.net</p>	<p>This project consists of the design to improve drainage of stormwater on Forest Ave. in Calcasieu Parish. Services conducted by Providence staff include wetlands delineation and data report, USACE Section 404 permit acquisition, property research and field survey, ROW maps and acquisition coordination, preliminary sketches, and pipeline coordination. Articulated concrete mats will be used over gas lines, with open ditch along the servitude to accommodate the ditch side slopes and maintenance access; it was recommended that the pipeline subsurface through the wetland in the area, as the servitude would return to its natural habitat after installation, decreasing mitigation/permitting costs and efforts. Culverts will be installed using trench boxes.</p> <div style="display: flex; justify-content: space-around;">   </div>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2025 (E)	\$187,600	\$89,700

TEC Professional Services Questionnaire

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Drainage System Improvements for Confidential Facility Construction Cameron Parish, LA</p> <p>Confidential Client</p> <p>Peter Bell 504-343-8878</p>	<p>Providence provided drainage engineering and modeling services for the external reroute conveyance needed for construction of a confidential facility in Cameron Parish, LA. The scope of work included analyzing the existing drainage conditions, exploring options to design a new conveyance system around the proposed facility, and a site visit along with reviewing information in the Proposed Channel Maintenance in Cameron Area Report prepared by a third party. Providence also conducted a topographic survey of the major existing drainage features in the project area. The main drainage feature will be consumed by the facility footprint and the proposed flood wall will impede flow and eliminate storage. Providence designed a larger conveyance system to accommodate the required conveyance and storage to maintain/improve the existing drainage conditions. The analysis used HEC-RAS 2-D modeling software to generate water surface elevations and flow rates that were monitored at critical points to compare existing flood waters and conveyance with the proposed reroute conveyance system. The most recent 2017 LiDAR imported from USGS website was used for the existing terrain along with a survey conducted by Providence. In addition, the corresponding soil survey and 2019 NRCS land cover map was downloaded to properly model the infiltration and runoff co-efficient. Proposed terrain grading was created within AutoCAD 2024 and then imported and tied into existing terrain within the HEC-RAS program. Existing structures, such as culverts and bridges, were modeled and for the proposed conditions these structures were either removed if they fell within the facility footprint or improved. In addition, structures were added to the new conveyance system that were deemed necessary, to convey the needed amount of stormwater effectively.</p> <p>The determination of the needed conveyance and structures was determined through an iterative process by comparing different HEC-RAS 2-D model outputs. Phase two of the project involves upgrades to an existing Cameron Parish Drainage District pump station that is critical to the overall project drainage basin.</p>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2025 (E)	N/A	\$238,080

TEC Professional Services Questionnaire

PROJECT NO. 4

PROJECT NO. 4						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility					
<p>Bayou Terrebonne Boardwalk and Greenspace State Project No. 744-55-0001 Federal Aid Project No. ENH-0353 (004) Terrebonne Parish, LA</p> <p>Terrebonne Parish Consolidated Government P. O. Box 2768 Houma, LA 70361</p> <p>Jeanne Bray (985) 873-6723</p>	<p>There are a large number of private boats and yachts that transverse in the southern United States via the Gulf Intracoastal Waterway (GIWW). Bayou Terrebonne intersects the GIWW in downtown Houma, Louisiana and provides a natural safe harbor and stopover point along this inland water route. When high-level bridges across the GIWW at Bayou Terrebonne were constructed by the Louisiana Department of Transportation and Development, an opportunity arose to acquire the necessary bayou frontage to construct a marina for transient boat traffic. The site was made available through the "joint right-of-way use program" of the federal government.</p> <p>To construct the actual facilities, financial assistance was obtained from:</p> <ul style="list-style-type: none"> Louisiana Wildlife and Fisheries - Clean Vessel Act 1992 US DOT/LA DOTD Transportation Enhancement Program <p>The marina includes 550 feet of mooring area with dockside facilities of electricity, potable water, and sewerage disposal. A marina was created adjacent to the dock and is fully landscaped with paved walkways and two plaza areas. The plaza area adjacent to the GIWW includes a reflecting pool and a sculpture of a Native American, representing the Houma Indian tribe for which Houma was named. Included in this work were concrete walkways, wood decks and boardwalks, pilings, site lighting, site furnishings, landscaping, and utilities along the Park Avenue side of Bayou Terrebonne from Liberty Street to the Intracoastal Canal.</p> <div style="display: flex; justify-content: space-around;">   </div>					
<p>Completion Date (Actual or Estimated):</p>	<p>Estimated Cost (in thousands):</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%; padding: 5px;">Entire Project:</th> <th style="width: 70%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">N/A</td> <td style="text-align: center; padding: 5px;">\$50,000</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	N/A	\$50,000
Entire Project:	Work for which Firm was Responsible:					
N/A	\$50,000					
2001 (A)						

TEC Professional Services Questionnaire

PROJECT NO. 5

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Catherine Street Sidewalk State Project No. 744-55-0006 Federal Aid Project No. 5506(500) Patterson, St. Mary Parish, LA</p> <p>City of Patterson P. O. Box 367 Patterson, LA 70392</p> <p>Mayor Mike Accardo (985) 395-5205</p>	<p>Pedestrian linkage along Catherine Street from the Patterson State Bank near US Highway 90 to Main Street (LA Highway 182) which is the government and commercial center of Patterson. Catherine Street serves as the main transportation link between Patterson and neighboring cities. Due to the high volume of traffic, it is unsafe for citizens to walk along the street. Between these two key areas of interests are a health club, Patterson Junior High School, Aucoin Cleaners (dry cleaner), and JP Morella Law Office. Within two blocks of the proposed sidewalk are Hattie Watts Elementary School, the public library, the Boys and Girls Club, a health clinic, a grocery store, four churches, and several small businesses.</p> <p>The four-foot (4') sidewalk will extend approximately 0.7 miles and will consist of Portland concrete with a brushed pattern in the center. A row of stamped bricks at approximately twelve-foot (12') intervals will also help beautify the sidewalk. To be ADA compliant, a truncated dome pattern will be stamped into the concrete at the intersections. The City of Patterson has taken the initiative to install subsurface drainage in anticipation of the sidewalk being constructed.</p>	
	 	
<p>Completion Date (Actual or Estimated):</p>	<p>Estimated Cost (in thousands):</p>	
	<p>Entire Project:</p>	<p>Work for which Firm was Responsible:</p>
<p>2011 (A)</p>	<p>N/A</p>	<p>\$125,000</p>



TEC Professional Services Questionnaire

PROJECT NO. 6

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Lockport Sidewalk, Phase I State Project No. 744-29-0012 Federal Aid Project No. 2903(513) Lafourche Parish, LA</p> <p>Town of Lockport 710 Church Street Lockport, LA 70374</p> <p>Mayor Richard Champagne (985) 532-3117</p>	<p>The first phase of this project connected the Senior Citizen Apartment Complex to the post office, the police station, and to the Town of Lockport Civic Complex, which includes the Town Hall and the library by constructing a sidewalk along Church St. from Second St. to the post office driveway. The other segment of sidewalk under this phase was a continuation of a sidewalk from Willow St. to 7th St. on School St., continuing north in front of the Knights of Columbus home on 7th St., then turning east on Church St. to connect with an existing sidewalk at 8th St. The sidewalks are four feet (4') wide concrete with bricks lining each side. The road will be cut, and brick pavers will be inlaid to distinguish where crosswalks are to be located. Crosswalks are located on School St. where two-foot bridges currently connect the baseball fields to School St. pedestrians.</p> <div style="display: flex; flex-wrap: wrap;">     </div>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2008 (A)	N/A	\$211,000

TEC Professional Services Questionnaire

PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Oakwood Smart Growth- Hector Avenue Improvement (Whitney Avenue to Terry Parkway) Public Works Project No. 2017-057C-RBP Jefferson Parish, LA</p> <p>ECM Consultants, Inc. 1301 Clearview Parkway Suite 200, Metairie, LA 70001 US</p> <p>Kazem Alikhani (504) 885-4040</p>	<p>As a subconsultant to ECM, Providence is providing construction administration services for the public sidewalk and beautification project in Jefferson Parish. This project includes installation of a 12-foot-wide concrete bike path along Hector Avenue between Whitney Avenue and Terry Parkway as well as installation of parklets, pedestrian crossing, flashing crossing beacons, and sharrows (bicycle shared road arrows) on Hector Avenue east of Terry Parkway. Providence responsibilities include: progress reports; verifying and approving contractor's pay estimates; review of drawings and samples for conformance; performing final inspections; verification/approval of Testing Laboratory pay estimates; preparation of documentation required for change orders as well as preparation of recommendation for all required changes to plans and specifications during construction; reviewing, responding to, and tracking material submittals; observation and inspection of the materials and construction procedures at the site of the work as it progresses; establishment of construction monuments, project baseline and benchmarks; coordination with owners of utilities for relocation of their facilities to clear the site for construction; requiring and reviewing tests of materials; addressing technical issues and conducting progress meetings and site visits; review of Inspector's daily reports and of construction work; and reviewing and approving project schedule.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2023 (A)	N/A	\$19

TEC Professional Services Questionnaire

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

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

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

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



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



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

Professional Experience

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

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



N. Use this space to provide any additional information or description of resources supporting Firm's

TEC Professional Services Questionnaire

qualifications for the proposed project. *(continued)*

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

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

Quality Assurance

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

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

Past Performance

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

- West Baton Rouge Diversion Canal Phase I, II, and III
- Ironton Aera Drainage System Improvements
- Confidential Client Drainage Engineering and Modeling (Two Proposed sites)
- Forest Avenue Drainage Improvements
- Delta Southern Drainage Impact Analysis
- Drainage System Improvements for Confidential Facility Construction
- L&B Materials Management, LLC, Drainage Impact Study

Location

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

TEC Professional Services Questionnaire

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

Prior Success

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



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

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

Signature: _____

Print Name: Gary Leonards, P.E.

Title: Engineering Principal


Date: January 23, 2025



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/2/2023 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Gary Jules Leonards
1746 Ridgeland Drive
Baton Rouge, Louisiana 70810

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Gary Jules Leonards		
License/Certificate Type - Number	Expiration Date	
PE.0030568	03/31/2025	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

Fold Here

Cut Here

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

Disclaimer


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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/7/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Andrew Eugene Bull
706 Idlewood Boulevard
Lafayette, Louisiana 70506-7044

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Andrew Eugene Bull		
License/Certificate Type - Number	Expiration Date	
PE.0047125	03/31/2025	
Status: Active		

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Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

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

Disclaimer


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



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/14/2023 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Murtada Haqi Mousa
1331 Seminole Avenue
Metairie, Louisiana 70005

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Murtada Haqi Mousa		
License/Certificate Type - Number	Expiration Date	
PE.0047248	03/31/2025	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/6/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Ian Mathew Smith
270 Stoney Creek Avenue
Baton Rouge, Louisiana 70808

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Ian Mathew Smith		
License/Certificate Type - Number	Expiration Date	
EI.0034373	09/30/2025	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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Disclaimer

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TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Engineering Services for the
Sala Avenue Historic Distric Drainage Feasibility Analysis and Improvements Project

SOQ 25-005 | Resolution No. 145576

B. Firm Name & Address:



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

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

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

504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com

Registered Professional Civil Engineer (Louisiana No. 27667; since 1998)

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

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

504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com

Registered Professional Civil Engineer (Louisiana No. 27667; since 1998)

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

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

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

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

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.		
1. N/A		
2.		
H. Has this JOINT-VENTURE previously worked together? Please check: YES_____ NO_____ N/A		
I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2.		
3.		
J. Please specify the total number of support personnel that may assist in the completion of the Project: 30 (all personnel will be available for assignment to the project)		

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.

Executive Vice President / Registered Professional Geotechnical Engineer

Project Assignment:

Geotechnical Engineer / Principal In Charge

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years' experience with this Firm:

14 years (founded Gulf South in 2011);
32 years total (1993)

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

Education: Degree(s)/Year/Specialization:

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

Active Registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

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

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

Bonnabel Boulevard Drainage Improvements (Phase 1; Veterans Canal to Metairie Road) Geotechnical Exploration Report, Metairie, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project which included the installation of a below grade box culvert. The study included drilling three soil test borings and the performance of soil mechanics laboratory tests to evaluate the soil's physical characteristics. Engineering analyses were made and based on field and lab test data to develop recommendations for the project. (\$6,500 (fee); 2024)

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Bryson S. Beard, EIT, ACI Associate Geotechnical Engineer/Field Engineer	
Project Assignment:	
Associate Geotechnical Engineer/Field Engineer	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years' experience with this Firm:	
3 years (joined Gulf South in 2022); 4 years total (2021)	<i>Gulf South Engineering and Testing, Inc. 2022 to present</i> <i>TetraTech, Inc. 2021 to 2022</i>
Education: Degree(s)/Year/Specialization:	
B.S., Geological Engineering (2021; University of Mississippi)	
Active Registration: Year first registered/discipline:	
Louisiana P.E. License Passed October 2023 Georgia, Engineering Intern (No. EIT029180, 2022)	
Other experience and qualifications relevant to the proposed Project:	
<p>Bryson S. Beard, EIT, is an Associate Geotechnical Engineer/Field Engineer who serves as a Project Manager. He has performed geotechnical engineering analyses consisting of shallow and deep foundations, slope stability, TRS and sheetpile wall design, settlement, pavement design, etc., and has prepared engineering reports. Mr. Beard's experience in the field includes surface and subsurface soil sampling, water sampling, and soil classification. His work experience further includes core logging and oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. He is experienced with laboratory sample preparation and testing as well as air sampling and soil gas sampling.</p> <p>Mr. Bryson recently passed his Louisiana Professional Engineering test and will be a noted P.E. for the State of Louisiana once he fulfills the apprenticeship requirements set forth by LAPELS.</p> <p>Bonnabel Boulevard Drainage Improvements (Phase 1; Veterans Canal to Metairie Road) Geotechnical Exploration Report, Metairie, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project which included the installation of a below grade box culvert. The study included drilling three soil test borings and the performance of soil mechanics laboratory tests to evaluate the soil's physical characteristics. Engineering analyses were made and based on field and lab test data to develop recommendations for the project. (\$6,500 (fee); 2024)</p>	

TEC Professional Services Questionnaire

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

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


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

Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services 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. (\$7,500 (fee); 2022)

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Joseph H. “Trey” Binder, III, ACI Laboratory Manager	
Project Assignment:	
Laboratory Manager; Laboratory Technician	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years’ experience with this Firm:	
14 years (joined Gulf South in 2011); 14 years total (2011)	<i>Gulf South Engineering and Testing, Inc. 2011 to present</i> <i>Ardaman and Associates, Inc. 2007 to 2011</i> <i>Soil Testing Engineers, Inc. 2006 to 2007</i>
Education: Degree(s)/Year/Specialization:	
A.D., General Studies (2006; Nunez Community College)	
Active Registration: Year first registered/discipline:	
HAZMAT Awareness HAZMAT Operations Training ACI Aggregate Base Testing Technician ACI Concrete Strength Testing Technician	
Other experience and qualifications relevant to the proposed Project:	
<p>Trey Binder has direct experience with field and laboratory testing services. Mr. Binder’s field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.</p> <p>Bonnabel Boulevard Drainage Improvements (Phase 1; Veterans Canal to Metairie Road) Geotechnical Exploration Report, Metairie, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project which included the installation of a below grade box culvert. Study included drilling three soil test borings and the performance of soil mechanics lab tests to evaluate the soil’s physical characteristics. Engineering analyses were made and based on field and lab test data to develop recommendations for the project. (\$6,500 (fee); 2024)</p> <p>Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA. Geotechnical investigation for drainage improvements on S. Jamie Boulevard in Avondale, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet,</p>	

TEC Professional Services Questionnaire

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

lab testing, and engineering analyses including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction procedures and recommendations. (\$7,000 (fee); 2018)

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

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


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

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Eric A. Paille, C.E.T., ACI Construction Services Manager	
Project Assignment:	
Construction Services Manager	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years' experience with this Firm:	
14 years (joined Gulf South in 2011); 37 years total (1988)	<i>Gulf South Engineering and Testing, Inc. 2011 to present</i> <i>Ardaman and Associates, Inc. 2007 to 2011</i> <i>Soil Testing Engineers, Inc. 1988 to 2007</i>
Education: Degree(s)/Year/Specialization:	
High School Diploma	
Active Registration: Year first registered/discipline:	
<i>ACI-I Field Technician (since 1991; No. 929012)</i> <i>Certified Engineering Technician (since 1992)</i> <i>Nuclear Gauge Safety Training (since 1994; No. 061321)</i> <i>Pile Driving Analyzer/CAPWAP, OSHA 40 HAZWOPER</i>	
Other experience and qualifications relevant to the proposed Project:	
<p>Eric A. Paille, C.E.T., ACI, serves as Gulf South's Construction Services Manager as well as the manager of Gulf South's Gonzales, LA office. He has experience as a technician, inspector, and testing manager, and is knowledgeable in all aspects of construction materials testing and construction inspection. Mr. Paille has performed all applicable field and soil tests over the past 30+ years. In addition, he is certified in the safe use and handling of the nuclear density gauge. He received PDA training in 2003 and has knowledge of PDA testing along with significant experience with pile driving analyzers. Mr. Paille is one of the most knowledgeable people in our industry.</p> <p>FEMA Submerged Roads Program (CMT): Phase 3, Metairie, Jefferson Parish, LA. Perform asphalt and roadway testing and inspection as requested. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. Gulf South also provided asphalt batch plant inspection. (\$10,000 (fee); 2016)</p> <p>Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee))</p>	

TEC Professional Services Questionnaire

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

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

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

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

Academy Drive Development – New Roadway & Infrastructure Improvements, City of New Orleans, LA. Geotechnical investigation for new subdivision infrastructure improvements which consist of new roadways and subsurface sewer and drainage. Gulf South drilled 3 borings to 10 feet in depth and perform laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, rigid paving design recommendations, and general construction recommendations. (\$3,500 (fee); 2013)


Northbound Manhattan Boulevard Widening, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes asphalt inspection; concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$11,000 (fee); 2023)

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

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

New Channel and Roads for Fish Bayou Control Structure (Alligator Bayou Road), Ascension Parish, LA. Geotechnical engineering services for the construction of a flood control structure and paved roadway improvements along Alligator Bayou Road within Ascension Parish, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 6 & 30 feet below the ground surface, laboratory testing, engineering analyses (pavement recommendations and slope stability analyses) and general construction procedures and recommendations. (\$7,900 (fee); 2021)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Brandon A. Paille, ACI Construction Materials Testing (CMT) Supervisor/Project Manager	
Project Assignment:	
Construction Materials Testing (CMT) Supervisor/Project Manager	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years' experience with this Firm:	
13 years (joined Gulf South in 2012); 15 years total (2010)	<i>Gulf South Engineering and Testing, Inc. 2023 to present</i> <i>Ascension Parish Sheriff's Office 2016 to 2023</i> <i>Gulf South Engineering and Testing, Inc. 2012 to 2016</i> <i>Ardaman and Associates, Inc. 2010 to 2012</i>
Education: Degree(s)/Year/Specialization:	
High School Diploma	
Active Registration: Year first registered/discipline:	
APNGA Nuclear Gauge Safety ACI Field Technician Level 1 OSHA Safety Training – 8 hr.	
Other experience and qualifications relevant to the proposed Project:	
<p>Brandon A. Paille, ACI has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, hydrometers, Atterberg limits, organic contents, moisture contents, proctor compaction tests, sieve analyses, as well as extrusion of samples. Mr. Paille's field experience includes soil inspection and testing consisting of nuclear density testing, soil boring logging, concrete testing and inspections, timber and precast pile logging and vibration monitoring. In Mr. Paille's years in the construction materials testing industry, he has obtained a vast amount of knowledge and experience which makes him an integral part of our Gulf South Team.</p> <p>Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); 2024)</p> <p>New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)</p>	

TEC Professional Services Questionnaire

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

Papworth Avenue and Rose Street Wet Well, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing. (\$2,000 (fee); 2023)

Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee))

Northbound Manhattan Boulevard Widening, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes asphalt inspection; concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$11,000 (fee); 2023)

Upper Barataria Risk Reduction Segment 2 - Sunset Levee & Des Allemands Boat Launch, Lafourche Basin Levee District, St. Charles Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing, concrete testing, soil density tests, earthwork inspection and testing, and vibration monitoring. Part of CPRA Project BA-0220. (\$200,000 (fee); ongoing)

Materials Testing Services for the Milan Group A (RR129) Project, City of New Orleans, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes asphalt inspection, backfill compaction testing, concrete testing, soil density tests, and earthwork inspection and testing. (\$77,000 (fee); ongoing)

As-Needed Materials Testing Services at the Louisiana International Terminal, Violet, St. Bernard Parish, LA. Gulf South provided as-needed construction materials testing and inspection during construction of the Port of New Orleans' new \$1.8 billion container terminal project. Project elements have included vibration and noise monitoring, notably in the vicinity of the W. Smith Junior Elementary School. (\$45,000 (fee); 2024)

East Bank Transit Operations Facility, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; soil density tests; earthwork inspection and testing; pile inspection and modeling; vibration monitoring; asphalt inspection; backfill compaction testing, and; static pile load testing. (\$16,000 (fee); 2024)

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

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 backfill compaction testing, concrete testing, soil density tests, earthwork inspection and testing, pile inspection and modeling, and vibration monitoring. (\$15,000 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Tyler W. Pregeant, ACI Graduate Geotechnical Engineer	
Project Assignment:	
Engineering Technician; CMT/Laboratory Technician	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years' experience with this Firm:	
6 years (joined Gulf South in 2019); <i>Gulf South Engineering and Testing, Inc. 2019 to present</i> 8 years total (2017)	
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i> <i>Currently attending UNO in Civil Engineering Program</i>	
Active Registration: Year first registered/discipline:	
ACI Concrete Field Testing Technician - Grade I (02206931)	
Other experience and qualifications relevant to the proposed Project:	
<p>Tyler Pregeant, ACI, serves as an engineering technician with the soil boring drill crew, within the soils' laboratory, and on construction projects as needed. His duties and responsibilities have included leading a drill crew, staking boring sites, supervising clearing contractors, data entry, testing soil for engineering properties of strength and classification, soil boring logging, vibration monitoring, and concrete testing and inspection. Laboratory tests performed include unconfined shear tests, moisture content tests, density tests, Atterberg limits tests, grain size sieve analyses, organic content tests and concrete strength breaks.</p> <p>Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, LA. Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report. (\$48,000 (fee); 2024)</p> <p>Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Tyler W. Pregeant, ACI (continued)**

Bonnabel Boulevard Drainage Improvements (Phase 1; Veterans Canal to Metairie Road) Geotechnical Exploration Report, Metairie, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project which included the installation of a below grade box culvert. The study included drilling three soil test borings and the performance of soil mechanics laboratory tests to evaluate the soil's physical characteristics. Engineering analyses were made and based on field and lab test data to develop recommendations for the project. (\$6,500 (fee); 2024)

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

Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); 2024)


Northbound Manhattan Boulevard Widening, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes asphalt inspection; concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$11,000 (fee); 2023)

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

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

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Ian Kerner Poché, ACI Assistant Laboratory Supervisor	
Project Assignment:	
Assistant Laboratory Supervisor	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years' experience with this Firm:	
<div style="display: flex; justify-content: space-between;"> 8 years (joined Gulf South in 2017); 8 years total (2017) <i>Gulf South Engineering and Testing, Inc. 2017 to present</i> </div>	
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
<i>ACI Concrete Field Testing Technician - Grade 1 (exp 2028 03)</i> <i>ACI Aggregate Testing Technician - Level 1 (exp 2029 02 27)</i>	
Other experience and qualifications relevant to the proposed Project:	
<p>Ian Poché has worked in Gulf South's laboratory for several years and has experience with virtually every type of soil test. He has also helped when needed in the CMT department and has concrete testing experience, and is an ACI-certified Concrete Field Testing Technician.</p> <p>Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane in Grand Isle. Gulf South's scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall. (\$7,500 (fee); 2020)</p> <p>Bonnabel Boulevard Drainage Improvements (Phase 1; Veterans Canal to Metairie Road) Geotechnical Exploration Report, Metairie, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project which included the installation of a below grade box culvert. The study included drilling three soil test borings and the performance of soil mechanics laboratory tests to evaluate the soil's physical characteristics. Engineering analyses were made and based on field and lab test data to develop recommendations for the project. (\$6,500 (fee); 2024)</p>	

TEC Professional Services Questionnaire

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

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

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

Northbound Manhattan Boulevard Widening, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes asphalt inspection; concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$11,000 (fee); 2023)

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

Bayou Des Allemands Gate, Upper Barataria Risk Reduction Program Segment 3, St. Charles Parish, LA. Geotechnical investigation for construction of a new swinging barge gate structure within the UBRR flood protection/risk reduction system in St. Charles Parish, LA. Gulf South's scope includes drilling undisturbed soil borings (1 at 200 ft., 2 at 120 ft., 1 at 100 ft.), lab testing (including consolidation tests), and engineering analyses including site/soil characterization, global/local SSA for floodwalls, levee tie-ins, and floodgates, seepage analyses for sheetpile walls, settlement/downdrag analyses, unbalanced forces for structures, pile load capacities, pile foundation load-deflection relationship, estimates of settlement, ground improvement recommendations, and general construction procedures and recommendations. One boring was performed over water; the remaining borings were performed over land. (\$145,885 (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 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:	
Bonnabel Boulevard Drainage Improvements (Phase 1; Veterans Canal to Metairie Road) Geotechnical Exploration Report, Metairie, Jefferson Parish, Louisiana ECM Consultants, Inc. 4409 Utica Street Suite 200 Metairie LA 70006 Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com	Gulf South prepared a Geotechnical Exploration Report for the three-phase project which consisted of drainage improvements along Veterans Boulevard and Bonnabel Boulevard in Metairie, LA. This included the installation of a below grade 8 ft. deep by 10 ft. wide box culvert. We understand the scope of Phase 1 is approximately 1,200 lf of improvements from Veterans Canal to the first U-Turn at Bonnabel Boulevard. The study included drilling three soil test borings (depths of 20 and 25 ft) utilizing truck-mounted drilling rigs and the performance of soil mechanics laboratory tests to evaluate the soil's physical characteristics. Engineering analyses were made and based on the field and laboratory test data to develop recommendations for the project.	
Completion Date (Actual or estimated:)	Estimated Cost:	
August 2024	Entire Project: N/A	Work for which Firm was Responsible: \$6,500 (fee)

PROJECT NO. 2		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, Louisiana Ardurra Group, Inc. 3012 26th Street Metairie LA 70002 Joe Becker, P.E., 504-454-3866 jbecker@ardurra.com	Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
January 2021	Entire Project: N/A	Work for which Firm was Responsible: \$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Drainage Infrastructure Improvements, South Avondale Subdivision , Avondale, Jefferson Parish, Louisiana Phoenix Global Construction 2901 Independence St Ste 103 Metairie LA 70006 Jack Lo , 504-883-9021 phoenixglobal@bellsouth.net	Geotechnical investigation for drainage improvements on S. Jamie Boulevard in Avondale, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet, lab testing, and engineering analyses including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction procedures and recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2018	N/A	\$7,000 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Drainage Improvements, Citrus Road & Greg Court , Metairie, Jefferson Parish, Louisiana Buchart Horn 18163 E Petroleum Drive, Suite A Baton Rouge LA 70809 Alan Krouse, P.E. , 225-308-2009 akrouse@bucharthorn.com	Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2017	N/A	\$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, Louisiana Rahman & Associates, Inc. 3645 Williams Blvd Ste 208 Kenner LA 70065 Tafoor Hameed, P.E., 504-469-0022 tafoor@bellsouth.net	Geotechnical investigation for the reconstruction of David Drive and the construction of drainage improvements (approx. 3000 ft.) along David Drive from W. Esplanade Avenue to Bruin Drive in Metairie. Gulf South's scope includes drilling four soil borings each to a depth of 20 feet, lab testing, and geotechnical engineering analysis including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, pavement design recommendations, and general construction recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2015	N/A	\$7,500 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, Louisiana Hatch Mott MacDonald 650 Poydras Street, Suite 2025 New Orleans LA 70130 Many Heymann, P.E., 504-799-0437 many.heyman@hatchmott.com	Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2015	N/A	\$8,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Airline Park Boulevard Rehabilitation and Drainage Upgrade (West Napoleon to Camphor), Jefferson Parish, Louisiana PECC 3702 Bienville Avenue, Suite C New Orleans LA 70119 John Shires, P.E., 800-749-2810 jshires@pecla.com	Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor in Metairie, LA. Gulf South's scope of work included drilling four soil borings to depths of 15 and 50 feet, laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
February 2015	N/A	\$8,500 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Kinler & Paul Fredrick Roadway & Drainage Improvements, Luling, St. Charles Parish, Louisiana EJES Inc. 2626 Canal Street, Suite 202 New Orleans LA 70119 Paul Foley, P.E., 504-218-7103 pfoley@ejesinc.com	Geotechnical investigation for paved roadway improvements for two streets in Luling, LA. Scope included drilling a total of 10 undisturbed soil borings. Geotechnical laboratory testing was performed in accordance with appropriate ASTM standards; this included strength tests (unconfined and/or triaxial) and classification tests (Atterberg Limits and/ or particle size). Following the collection of the field and laboratory data, a geotechnical engineer performed the evaluations necessary to characterize the subsoil conditions of the site and develop the engineering recommendations and analyses. This included current pavement materials and thicknesses, flexible pavement design recommendations, and general construction procedures and recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2022	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:	
Brewster Road/LA 1077 Drainage Improvements , Madisonville, St. Tammany Parish, Louisiana N-Y Associates, Inc. 2750 Lake Villa Drive Metairie LA 70002 Fred Mortali, P.E. , 504-885-0500 fmortali@n-yassociates.com	Geotechnical engineering services for a drainage improvements project at the existing parish canal off LA-1077 and Galatas Road in Madisonville, St. Tammany Parish, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet (2 locations) and 30 feet (3 locations) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Gulf South provided design recommendations for net allowable soil bearing values, estimates of settlement, bedding and backfill, slope stability analyses, and lateral earth pressures.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022	N/A	\$20,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Drainage Upgrades and Green Infrastructure Improvements, Hagan Avenue & Lafitte Avenue , City of New Orleans, Louisiana City of New Orleans Department of Public Works 1300 Perdido Street, Suite 6W02 New Orleans LA 70112 Jennifer Larmeu, P.E. , 504-658-8000 jjlarmeu@nola.gov	Geotechnical investigation for new drainage upgrades and green infrastructure improvements between Hagan & Lafitte Avenues (to Orleans Avenue and Broad Street) in New Orleans, LA. Gulf South's scope includes drilling 13 soil borings with five borings to a depth of 30 feet and eight to a depth of 20 feet below existing paved/ground surface, laboratory testing, and engineering analyses for net allowable soil bearing values, estimates of settlement, bedding and backfill recommendations, lateral earth pressures, rigid and/or flexible pavement design recommendations, infiltration/permeability rates of near-surface soils, and general construction procedures and recommendations. Phase 2 includes piezometer well installations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2016	N/A	\$21,799 (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.	<div>Gulf South Engineering and Testing, Inc. is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</div>	
2.		
3.		
4.		

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



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

CRITERIA 1 | PROFESSIONAL TRAINING AND EXPERIENCE

Gulf South Engineering and Testing, Inc. (Gulf South) is a geotechnical engineering and construction materials testing and inspection company which began operations in 2011. Since that time, we have grown to two offices and 30 employees. Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and 300 construction materials testing and inspection projects each year. These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection.

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

Please refer to our projects noted in our personnel listings in Item K as well as the representative projects shown in Item L for specific project examples and an overview of our project experience with Jefferson Parish.

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

Laboratory Testing Services

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

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.

TEC Professional Services Questionnaire

N. continued.

Construction Materials Testing & Inspection

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

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

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

CRITERIA 2 | SIZE OF FIRM

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

CRITERIA 3 | CAPACITY FOR TIMELY COMPLETION

Gulf South has the manpower and equipment to expeditiously complete any task order assigned under this contract. The tasks which would be assigned under this contract are the types of projects we perform and complete each day. Gulf South is thoroughly familiar with the specialized and unique geotechnical and CMT needs required for the projects that may be issued under this contract.

Activity is dependent on the scope of work as well as site access and conditions, however; typically soil borings can be started within one week of receiving notice to proceed with a final product delivered within 3 to 4 weeks of completing the borings. Gulf South's workload & scheduling,

TEC Professional Services Questionnaire

N. continued.

coupled with our headquarters being nearby, will allow for assignment of key personnel shortly after any project is assigned.

Gulf South will provide all services in a safe and timely manner. We will coordinate with the Port's Project Manager(s) on a regular basis to keep them informed and to coordinate our schedule, work, and deliverables. We guarantee that every project or task assigned to this contract will be given high priority, be done efficiently, and completed accurately, on time, and within budget.

CRITERIA 4 | PAST PERFORMANCE ON CDBG PROJECTS

Gulf South completes hundreds of geotechnical and construction materials testing projects throughout the year. As a subconsultant, our clients do not divulge funding sources at the time of contract & services and, as such, we do not track this information. A majority of our projects are through the design-bid-build process. We have participated in CMAR and design—build projects but at a much less frequent rate than traditional design-bid-build.

CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

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

CRITERIA 6 | LEGAL STATEMENT

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

CRITERIA 7 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

Daniel P. Hill, P.E., Director, St. Tammany Parish Department of Engineering
(985-898-2552 | engineering@stpgov.org)

Eric Poché, Director, Ascension Parish Planning and Zoning Department
(225-450-1366 | eric.poché@apgov.us)

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

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

Khalid L. Saleh, PhD, Capital Program Administrator, Public Works Dept., City of New Orleans
(504-658-8000 | khsaleh@nola.gov)

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: January 14, 2025

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

Name:

Gulf South Engineering and Testing, Inc.

Public Address:

Mr. Chad Poche, PE
15 Veterans Memorial Boulevard
Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004626	Active	07/27/2010	03/31/2025	Mr. Chad Mitchell Poche# PE.0027667

Gulf South Engineering and Testing, Inc.'s UEI Number is R1XSWKQJERG7
Gulf South Engineering and Testing, Inc.'s E-Verify Number is 648925



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

Mr. Chad Mitchell Poche

License/Certificate Type - Number	Expiration Date
PE.0027667	09/30/2026
Status: Active	



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

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number	Expiration Date
PLS.0004329	09/30/2026
Status: Active	



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Gulf South Engineering and Testing, Inc.

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

This certification is valid from 11/29/2024 to 11/29/2025 .

Certification No. 11011



Stephanie Hartman,
Director, Entrepreneurial Services



LABORATORY VALIDATION



Trey Binder
(504) 305-4401

of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:

06 MAY 2024

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 05/03/2026

OUR PUBLIC WEBSITE: <https://mtc.erdcdren.mil>

Chad A. Gartrell, PE, Director

Vicksburg, Mississippi, USA

AGGREGATE

Aggregate - C 128 - Specific Gravity & Absorption in Fine Aggregate
Aggregate - C 566 - Total Moisture Content
Aggregate - C 702 - Reducing Samples to Testing Size

CONCRETE

Concrete - C 31 - Making and Curing Test Specimens in the Field
Concrete - C 39 - Compressive Strength of Cylindrical Specimens
Concrete - C 138 - Unit Weight and Air Content by Gravimetric
Concrete - C 143 - Slump
Concrete - C 172 - Sampling
Concrete - C 231 - Air Content by Pressure ***required if C173 not performed***
Concrete - C 511 - Moist Cabinets, Moist Rooms, Water Storage Tanks
Concrete - C 1064 - Temperature of Concrete
Concrete - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
Concrete - C 1231 - Unbonded Caps

SOILS

Soils - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants
Soils - D 422 - Particle Size Analysis (Sieve and Hydrometer)
Soils - D 698 - Compaction Characteristics by Standard Effort
Soils - D 1140 - Material Finer than 75 μ m (No. 200) Sieve
Soils - D 1556 - Density & Unit Weight by Sand Cone
Soils - D 1557 - Compaction Characteristics by Modified Effort
Soils - D 2166 - Unconfined Compressive Strength
Soils - D 2216 - Water Content
Soils - D 2487 - Classification of Soils
Soils - D 2488 - Description & Identification of Soils (Visual-Manual Procedure)
Soils - D 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index
Soils - D 4643 - Determination of Water Content of Soil by Microwave Oven
Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method



CERTIFICATE OF ACCREDITATION



Gulf South Engineering and Testing, Inc.

in

Kenner, Louisiana, USA

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

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


Jim Tymon,
AASHTO Executive Director


Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 04/11/2024 at 12:54 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Gulf South Engineering and Testing, Inc.

8/15/2023

DATE



SIGNATURE



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Sala Avenue Historic District Drainage Feasibility Analysis and Improvement Project

B. Firm Name & Address:

Dana Brown & Associates

1836 Valence Street
New Orleans, LA 70115

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:

Dana Nunez Brown
Louisiana licensed Landscape Architect
Landscape Architect No. B-360
504.345.2639
dbrown@danabrownassociates.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.

Dana Nunez Brown
Louisiana licensed Landscape Architect & Planner
Landscape Architect No. B-360; AICP No. 021644
504.345.2639
dbrown@danabrownassociates.com

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

<input checked="" type="checkbox"/> 1 Administrative	<input type="checkbox"/> Estimators	<input type="checkbox"/> Specification Writers
<input type="checkbox"/> Architects (Licensed)	<input type="checkbox"/> Geologists	<input type="checkbox"/> Structural Engineers
<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Geotechnical Engineers	<input type="checkbox"/> Graduate Engineers
<input type="checkbox"/> Civil Engineers	<input type="checkbox"/> Interior Designers	<input type="checkbox"/> Project Managers
<input type="checkbox"/> Construction Inspectors	<input checked="" type="checkbox"/> 5 Landscape Architects	<input type="checkbox"/> Clerical
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Land Surveyor	<input type="checkbox"/> Grant/Funding Specialist
<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Sanitary Engineers
<input type="checkbox"/> Engineer Intern	<input type="checkbox"/> Environmental Engineers	
<input type="checkbox"/> Professional Land Surveyors		<input checked="" type="checkbox"/> 6 TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES

(NO)

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

TEC Professional Services Questionnaire

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

1. N/A

2. N/A

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

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

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

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

 N/A

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Dana Nunez Brown, President

Project Assignment:

Landscape Architect

Name of Firm with which associated:

Dana Brown & Associates, Inc.

Years' experience with this Firm:

20

Education: Degree(s)/Year/Specialization:

Master of Landscape Architecture, Harvard Graduate School of Design, 1981
Bachelor of Landscape Architecture, LSU, 1979

Active registration: Year first registered/discipline:

Louisiana licensed Landscape Architect, No. B-360, 1983

Other experience and qualifications relevant to the proposed Project:

Dana Brown has over 40 years of experience as a landscape architect and planner, managing projects with a wide range of sizes and budgets. She is a licensed Landscape Architect, a LEED Accredited Professional, a Certified Planner, and a Fellow of the American Society of Landscape Architects. Dana's work focuses on urban design, park design, stormwater management, and community engagement. She has been complimented by officials of New Orleans, Gretna, Hammond, Lafayette, Baton Rouge, Lake Charles, Houma, and others on her authentic interaction with stakeholders and members of the public to create memorable and functional spaces. Dana is also the author of "Using Plants for Stormwater Management: A Green Infrastructure Guide for the Gulf South."

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Danielle Duhe, Principal
Project Assignment:
Landscape Architect
Name of Firm with which associated:
Dana Brown & Associates, Inc.
Years' experience with this Firm:
12
Education: Degree(s)/Year/Specialization:
Bachelor of Landscape Architecture, LSU, 2012
Active registration: Year first registered/discipline:
Louisiana licensed Landscape Architect, No. D-277, 2019
Other experience and qualifications relevant to the proposed Project:
Danielle Duhe is a Principal and licensed Landscape Architect at DBA with over a decade of experience in outreach and education, parks and recreational planning, and in the design and construction of stormwater management facilities. Danielle has worked on a number of projects that have focused on pedestrian safety through design strategies, all while incorporating green infrastructure facilities. She is a consummate project manager, giving great attention to design, budget, and schedule while never losing sight of a project's purpose and goals. Danielle is a very active volunteer in the community, leading tours of green infrastructure, speaking at community events, and bringing her professional experience in design to her personal involvement in improving her hometown.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Ry'yan Clark, Senior Associate	
Project Assignment:	
Landscape Architect	
Name of Firm with which associated:	
Dana Brown & Associates, Inc.	
Years' experience with this Firm:	
3	
Education: Degree(s)/Year/Specialization:	
Master of Science in Plant Biology & Conservation, Northwestern University, 2022 Bachelor of Landscape Architecture, LSU, 2017	
Active registration: Year first registered/discipline:	
Louisiana licensed Landscape Architect, No. C-342, 2024	
Other experience and qualifications relevant to the proposed Project:	
<p>Ry'yan's landscape architecture design approach integrates art theory and leverages his technical experience in visualization and diagrammatic planning to foster community engagement on both large and small scale projects. He is experienced in planning native coastal Louisiana and Midwestern prairie plantings and utilizing diverse plant color palettes that cater to both the aesthetic and functional requirements of a project. Ry'yan employs 8 years of experience designing stormwater management facilities, master plan reports, site scale landscape designs, and planting design tools on every project he undertakes.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Chad Wilkins, Senior Associate
Project Assignment:
Landscape Architect
Name of Firm with which associated:
Dana Brown & Associates, Inc.
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
Bachelor of Landscape Architecture, LSU, 2022
Active registration: Year first registered/discipline:
Louisiana licensed Landscape Architect, No. W-268, 2023 Louisiana licensed Landscape Horticulturist, No. 3086, 2007
Other experience and qualifications relevant to the proposed Project:
Chad Wilkins first joined the DBA team as an intern in 2020 and is now a full-time staff member. Before joining DBA, Chad owned his own landscape construction company, which he sold to pursue a Bachelor of Landscape Architecture degree from LSU. As a licensed Landscape Horticulturist and Green Infrastructure Professional, Chad brings a wealth of expertise and qualifications to his work. His passion lies in merging his love for plants and green infrastructure to craft stunning yet eco-friendly landscapes. Thanks to his extensive experience as a full-service landscaping professional, Chad has an in-depth understanding of landscape construction and irrigation. This enables him to provide valuable insights and solutions to clients, ensuring their construction needs are met with expertise and care.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kayla McCartney, Associate
Project Assignment:
Landscape Architectural Designer
Name of Firm with which associated:
Dana Brown & Associates, Inc.
Years' experience with this Firm:
0.5
Education: Degree(s)/Year/Specialization:
Bachelor of Landscape Architecture, University of Georgia, 2024
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Kayla McCartney first joined Dana Brown & Associates as an Associate in 2024. Before joining DBA, Kayla worked as an intern with LandDesign in Charlotte, NC. She graduated with her Bachelors in Landscape Architecture from the University of Georgia in 2024.</p> <p>As an emerging professional in the field of landscape architecture, Kayla is passionate about designing ecologically and culturally sensitive landscapes with her strong foundation in the principles of landscape architecture.</p>

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Sala Avenue Improvements Sala Avenue Westwego, LA City of Westwego Mayor Robert Billiot 504.347.5745	DBA has been retained by the City of Westwego to redesign Sala Avenue from River Road to 4th Street. The master plan project will emphasize incorporating nature-based stormwater management solutions, enhancing ADA accessibility, and establishing a distinctive and memorable identity for this significant economic and historic corridor.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Design Phase: est. October 2025	Construction: N/A	N/A

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Regenerative Westwego: A Blueprint for Small Town Adaptation and Equity Westwego, LA City of Westwego Mayor Robert Billiot 504.347.5745	DBA participated in the GNOF Next 100 Years Challenge by crafting a grant application for the City of Westwego. This effort earned an honorable mention and secured \$40,000 to support further development of plans for the City. The proposal outlined a master plan for enhancing the 4th Street and Sala Avenue corridors, emphasizing nature-based stormwater solutions, street trees, pervious paving, and artful crosswalks.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2023	Construction: N/A	N/A

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Lazy River Landing Sala Avenue at River Road Westwego, LA City of Westwego Mayor Robert Billiot 504.347.5745	DBA was engaged by the City of Westwego to develop a perspective rendering to envision a future pedestrian crossing over River Road and develop new signage for the crossing.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2024	N/A	

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Gretna Downtown Stormwater Management Gretna, LA City of Gretna Amelia Pellegrin apellegrin@gretnala.com	As part of an effort to address flooding and improve pedestrian safety in Historic Downtown Gretna, DBA lead the design and construction of the project that reduces flood risk and enhances the public space outside Gretna City Hall. The project renovated over two acres, including the neutral ground and adjacent streets, removing 40% of impervious surfaces. DBA implemented green infrastructure features, including pervious paving, subsurface storage tanks, and tree cells, which together detain and filter over 14,600 cubic feet of stormwater runoff.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
November 2020	Construction: \$2.1 M	\$2.1 M

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Bayou Metairie Park 2713 Metairie Road Metairie, LA Jefferson Parish Council-at-Large Jennifer Van Vrancken 504.736.6615	DBA's design of Bayou Metairie Park addresses localized flooding in a rapidly developing commercial area of Metairie Road. Preserving this open green space in addition to installing permeable pavement and bioretention areas with water-loving native plants further increases the site's stormwater storage capacity. The park is a precedent for natural, multi-benefit stormwater management as well as an educational opportunity for the community. Additionally, the park serves as a gathering hub and functions as a traditional passive recreation space. This creates a sense of place for the community and improve every day and special event usability.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2021	Construction: \$509,000	\$509,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Westbank Expressway Median Improvements Highway 90 from Wayne Avenue to Terry Parkway Jefferson Parish Parkways Department Bryan Parks 504.349.5800	DBA was selected by Jefferson Parish to enhance 8 miles of open space beneath the elevated Westbank Expressway. The project improved surface-level intersections and the visual experience near the on/off ramps. Improvements included expanding planted areas with new vegetation, adding weathering steel walls with decorative rock, and implementing a branding strategy with curved walls and raised lettering at key intersections. The on/off ramps were upgraded with decorative rock to reduce maintenance, improving both aesthetics and safety by minimizing the time crews spent in high-risk areas.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2024	Construction: \$1.4 M	\$1.4 M

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Pontilly Stormwater Management New Orleans, LA City of New Orleans, DPW Meagan Williams 504.658.8420	DBA was part of the team commissioned to design the FEMA HMGP funded project that reduces flood risk for two low-income, minority neighborhoods that experience repetitive flood damage. The project substantially reduces localized flooding across the 900-acre area. DBA worked closely with the project engineers to analyze existing site conditions and to develop concepts to iteratively model the most hydrologically effective green infrastructure interventions. The project features various forms of green infrastructure facilities, including 38 stormwater lots; 13 blocks of bioswales; 90,500 square foot bioswale; and 24 bioretention cells in street basins at intersections.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2021	Construction: \$14.5 M	\$3.9 M

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
DPS01 Drainage & Green Infrastructure New Orleans, LA City of New Orleans Erika Boerr 504.658.8475	The DPS-01 project is designed to reduce flooding throughout eighth neighborhoods of New Orleans by upsizing pipes and incorporating green infrastructure. The project is funded by FEMA HMGP. DBA worked with project engineers to design a series of green infrastructure facilities that will reduce downstream flooding in some of the lowest elevations of the city. The green infrastructure will serve to intercept, filter, and store stormwater runoff where it lands, while promoting infiltration and therefore reducing subsidence. Green infrastructure facilities in the project include stormwater lots, street basins, pervious paver street gutters, bioswales, and subsurface storage tanks. Phase 1 of the project is currently under construction.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Phase 1 Construction: Est. July 2026	Phase 1 Construction: \$39.6 M	\$6.5 M

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Clearview Parkway-Earhart Expressway Interchange Improvements Clearview Pkwy. at Earhart Blvd Elmwood, LA 70123 Jefferson Parish Parkways Dept. Bryan Parks 504.349.5800	DBA was hired to develop conceptual design plans for the Clearview Parkway and Earhart Expressway interchange focusing around the existing retention ponds. The plans include native planting, gateway signage, and the re-naturalization of pond edges. These new site features were designed to comply with DOTD regulations while enhancing aesthetics and creating a sense of place at this heavily trafficked intersection that is a gateway into Elmwood.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Design Phase: est. March 2025	Construction: \$1.3 M (est)	\$1.3 M (est)

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Bayou St. John Green Infrastructure Demonstration Project 3598 Orleans Avenue, New Orleans, LA Sewerage & Water Board New Orleans Grace Vogel gvogel@swbno.org	DBA was hired by the Sewerage & Water Board to design a series of green infrastructure facilities that would reduce localized flooding and provide an educational space for residents and school children about how green infrastructure works and its benefits. The project features five types of green infrastructure, 50 new trees, educational signage, and a native prairie planting. Each of the green infrastructure types installed are being monitored for how they improve the quality of stormwater runoff from surrounding impervious surfaces. The site has the capacity to detain and filter over 13,000 cubic feet of stormwater runoff.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022	Construction: \$217,300	\$217,300

TEC Professional Services Questionnaire

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

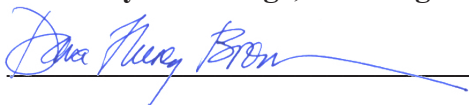
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	N/A

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

DBA is a professional landscape architecture and planning firm whose mission is to create beautiful and functional landscapes that respond to the ecology of the land and reflect the cultural heritage of the community. One of the firm's hallmarks is the intersection of design and science in all of our projects: developing a deep understanding of the project site and its context above and below ground, enabling us to design resiliently and sustainability specifically focused to the areas. DBA is well known in the region as the go-to landscape architecture firm for creative planning and design that is sustainable and resilient, as well as for meaningful engagement with stakeholders and the public, highly responsive client service, and meeting project schedules and budgets. Our portfolio of built works includes public and private urban design of plazas, parks, streetscapes, and green infrastructure.

DBA is a state certified Disadvantaged Women's Business Enterprise (WBE), SEDBE, SBA WOSB, SLDBE, and HANO DWBE. DBA is also certified through the Louisiana Economic Development Department's Hudson Initiative.

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

Signature:  Print Name: Dana Nunez Brown

Title: President Date: 2025.01.16