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Future



**SOQ No. 22-011: STATEMENT OF QUALIFICATIONS  
ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS  
JEFFERSON PARISH, LA**



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## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

**Statement of Qualifications for Routine Engineering Services for Drainage Projects  
Jefferson Parish, Louisiana  
SOQ No. 22-011**

**B. Firm Name & Address:**

**Providence Engineering and Environmental Group LLC  
2200 Veterans 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.**

**Melanie B. Caillouet, P.E., Project Manager  
(504) 454-1710  
Louisiana License No. 32936**

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

<u>20</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>7</u> Civil Engineers	<u>0</u> Interior Designers	<u>10</u> Project Managers
<u>7</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>4</u> Clerical
<u>2</u> Ecologists	<u>4</u> Land Surveyor (crew)	<u>0</u> Grant/Funding Specialist
<u>0</u> Electrical Engineers	<u>1</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>3</u> Engineer Intern	<u>2</u> Environmental Engineers	<u>23</u> Other: Environmental Scientists, Technicians, Biologists
<u>1</u> Professional Land Surveyors	<u>5</u> Other: Draftsmen/AutoCADD	<u>92</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):
<b>N/A</b>		

**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:**

**Gary J. Leonards, P.E.  
Engineering Services Director**

**Project Assignment:**

**Principal**

**Name of Firm with which associated:**

**Providence Engineering and Environmental Group LLC**

**Years' experience with this Firm: 17**

**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 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. His solid waste background further includes remediation of underground storage tank/pipeline sites, Risk Evaluation/Corrective Action Program (RECAP), beneficial use/reuse of waste materials, development of Best Management Practice Plans (BMPs), and debris management following natural disasters. 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. Mr. Leonards has performed design and prepared various permit applications for wastewater collection and treatment infrastructure. He has also been responsible for the surveying and design of both passive and active landfill gas extraction systems.*

**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

## TEC Professional Services Questionnaire

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 (LDHH), and Louisiana Department of Transportation and Development (LDOTD) 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. Providence also prepared detailed construction budget estimates for the project for the facility to secure the necessary funding for the sanitary sewer system upgrades.

**Project Engineer:** *Esler Field Sewer and Oxidation Pond Upgrades, Rapides Parish, LA.* Design and installation of 2,507 linear ft. of 8-inch PVC gravity sewer lines, 73 linear ft. of 10-inch PVC gravity sewer lines, and eight manholes. Eleven manholes plugged and sealed; sewer lines in the manholes cut and plugged. Rehabilitation of six standard manholes. Installation of new chlorinator for 2,000 - 20,000 gallons per day (gpd) treatment and fabric curtain walls to separate an existing 1.3-acre oxidation pond.

**Project Engineer:** *Enterprise K/D/S Promix, LLC, Sanitary Treatment System Modifications, Ascension Parish, LA.* Design, permitting and construction oversight for modifications to sanitary wastewater collection and treatment system. Removal of three existing sanitary treatment plants and installation of three new, 300 gallon lift stations with 78 gpm submersible, non-clog pumps. Installation of a 500-gallon EQ tank with 78 gpm submersible, non-clog pump.

**Project Engineer:** *State of Louisiana Military Department, Sewer Collection System Upgrades, Rapides Parish, LA.* Upgrades to the gravity flow sewer collection system at Esler Field Air Force Base. The project involved replacement of over 6,000 linear ft. of gravity flow sewer lines, installation and rehabilitation of manholes, and modifications to the existing oxidation pond to increase retention time and treatment capacity.

**Project Manager/Engineer:** *Genesis Energy, LP Scenic Station Terminal, Facility Drainage Improvements, East Baton Rouge Parish, LA.* Design for drainage improvements at the final stormwater outfall location for the storage and transfer terminal. Project included a detailed topographic survey of the outfall location including existing culverts and pipeline in the project footprint, design for improvements to minimize erosion in the vicinity of the outfall, preparation of detailed construction plans and specifications, and management of the bidding process.

**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 (ODC-DRU) for funding under the Hurricanes Gustav and Ike Community Development Block Grant (CDBG) 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.

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### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Melanie B. Caillouet, P.E.  
Environmental Engineer**

**Project Assignment:**

**Project Engineer/Project Manager**

**Name of Firm with which associated:**

**Providence Engineering and Environmental Group LLC**

**Years' experience with this Firm: 13**

**Education: Degree(s)/Year/Specialization:**

**BS/2002/Environmental Engineering**

**Active registration: Year first registered/discipline:**

**2007/Professional Environmental Engineer/LA License No. 32936**

**Other experience and qualifications relevant to the proposed Project:**

*Melanie Caillouet is an Environmental Engineer specializing in sewer, water, and minor pavement design. Ms. Caillouet has completed several sewer lift station rehabilitation projects, from simple wet well recoating projects to complete replacements of all equipment and aboveground piping. Ms. Caillouet is also well-versed in inflow/infiltration analysis and remediation efforts. Additionally, Ms. Caillouet assists in environmental projects including environmental site assessments, permitting, monitoring, testing, and reporting. She has expertise in wetland issues, mitigation matters, and Davis-Bacon and Related Acts (DBRA) compliance. As an environmental engineer, she assists in project development by addressing permitting, wetland mitigation, and regulatory issues. Working closely with property and project owners, she obtains U.S. Army Corps of Engineers (USACE) 404 permits, Louisiana Department of Natural Resources (LDNR) permits, Louisiana Department of Environmental Quality (LDEQ) water and wastewater National Pollutant Discharge Elimination System (NPDES) permits, and Louisiana Department of Transportation and Development (LDOTD) permits. In addition, she aids in the preparation of plans and specifications for grant compliance and assists during construction administration involving DBRA requirements. Ms. Caillouet has worked with the Coastal Protection and Restoration Authority (CPRA) for construction administration tasks that included DBRA requirements. She is also proficient in grant application and administration services for Community Development Block Grant (CDBG), Clean Water State Revolving Fund (CWSRF), Drinking Water State Revolving Fund (DWSRF), Louisiana Capital Outlay, and several smaller grant programs. In addition to assisting on civil projects, she also acts as Project Manager on many others and is the engineer on most of Providence's sewer, water, and sidewalk projects.*

**Project Manager/Grant Manager/Permitting:** *Terrebonne Parish Consolidated Government, Suzie Canal (North) Levee Extension (CDBG), Project No. 10-LEV-31 Terrebonne Parish, LA.* The project involved construction of approximately 4,700 linear ft. of levee, including refurbishing the Cane Break forced drainage levee and the construction of a new levee to provide forced drainage and flood protection. **Responsibilities:** Acquired Coastal Use Permit, Local Coastal Impact Certificate, Water Quality Certification, and US Army Corps of Engineers permit; assisted the Owner in acquiring servitudes through appropriations; oversight of CDBG grant application preparation and grant administration.

**Project Manager/Grant Manager:** *Terrebonne Parish Consolidated Government, Upper Little Caillou Pump Station*

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**(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. **Responsibilities:** Acquired Coastal Use Permit, Local Coastal Impact Certificate, State Fire Marshal Approval, and US Army Corps of Engineers permit; assisted the Owner in acquiring a grant through GOHSEP and grant administration during construction.

**Permitting:** *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. **Responsibilities:** Acquired Coastal Use Permit, Local Coastal Impact Certificate, Water Quality Certification, State Historic Preservation Office No Objection, and US Army Corps of Engineers jurisdictional determination and permit.

**Permitting:** *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. **Responsibilities:** Acquired LA DOTD permit.

**Permitting:** *Terrebonne Parish Consolidated Government, Ellendale Levee Rehab Project, Terrebonne Parish, LA.* This work is based upon offsetting the existing 3,050-linear-foot levee away from the drainage canal approximately 30 ft., degrading the existing levee, and hauling in addition borrow material. **Responsibilities:** Acquired Coastal Use Permit, Local Coastal Impact Certificate, Water Quality Certification, and US Army Corps of Engineers jurisdictional determination and permit.

**Environmental Engineer:** *Terrebonne Levee and Conservation District, Morganza to the Gulf, Reach G – Segments A, B, and C, Terrebonne Parish, LA.* Professional services for design and construction levee Reach G - Segment 2, part "a" follows the Mayfield Levee from Reach G - Segment 1, south to Four Point Road (approximate length 7,000 ft.) Reach G - Segment 2, part "b" begins at the intersection of Reach G - Segment 2, part "a" and Four Point Road and ends in a southeast direction with its intersection with LA Hwy. 57, length 9,000 ft. Reach G - Segment 2, part "c" begins at the termination of Reach G - Segment 2, part "b", and parallels LA Hwy. 57 with its termination at the beginning of Reach H - Segment 1 (side borrow), length 7,000 lft.. **Responsibilities:** Project management assistance, submittal review.

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### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Daniel Martin**  
**Senior CADD Technician/Senior Draftsman**

**Project Assignment:**

**CADD Specialist**

**Name of Firm with which associated:**

**Providence Engineering and Environmental Group LLC**

**Years' experience with this Firm: 43**

**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 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

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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/CADD:** *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/CADD:** *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/CADD:** *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/CADD:** *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/CADD:** *Lutcher High School Campus Drainage Improvements, St. James 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, connection to existing catch basins and other incidental items of work therewith.

**Drafting/CADD:** *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.

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### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Terral J. Martin, Jr., P.L.S.  
Survey Manager**

**Project Assignment:**

**Land Surveyor/Survey Manager**

**Name of Firm with which associated:**

**Providence Engineering and Environmental Group LLC**

**Years' experience with this Firm: 23**

**Education: Degree(s)/Year/Specialization:**

**BS/2008/Applied Sciences in Geomatics  
AOS/1997/Civil Drafting and Design**

**Active registration: Year first registered/discipline:**

**2009/Professional Land Surveyor/LA License No. 5030  
2011/Professional Land Surveyor/MS License No. 3224  
2013/Professional Land Surveyor/TX License No. 6421**

**Other experience and qualifications relevant to the proposed Project:**

*Mr. Terral Martin has extensive experience in computing and compiling surveys for local government and state agencies. Mr. Martin has worked with many government entities including, but not limited to, LDOTD, U.S. Army Corps of Engineers, and U.S. Navy (Belle Chasse Air Base) on multiple surveying projects that included: compiling survey data in many formats, using field data to complete procedures, performing survey calculations, courthouse research, preparing field rolls, plotting plan and profile sheets, preparing servitude and legal documents, 3D modeling, and mapping. Mr. Martin has considerable expertise in topographic surveys, boundary surveys, route surveys, hydrographic and pipeline surveys, right-of-way and construction surveys. As department manager, he is responsible for scheduling and oversight of all field and office work.*

**Land Surveyor:** *Terrebonne Parish Consolidated Government, Ashland Drainage Pump Station (D-09), Outfall Canal Improvements and Access Bridge, Parish Project No. 08-DRA-25, Terrebonne Parish, LA.* Project included design services and construction administration of a pile-supported pre-cast concrete pump station substructure consisting of three 48-inch-diameter pumps and one 24-inch-diameter pump, together with steel sheetpiles, discharge piping, pre-engineered metal building, fuel system, pumps and engine installation, electrical system, telemetry system and a generator. Improvements made to the drainage canal through excavation and levee improvements along the Ashland Drainage Pump Station Outfall Canal for a total project length of approximately 9,120 linear ft.. The pump station utilizes a pre-cast concrete bridge deck designed to handle truck loads to support the pumps, equipment, and maintenance vehicles. CDBG project. **Responsibilities:** Topographic site surveying.

**Land Surveyor:** *Terrebonne Parish Consolidated Government, New Shrimper's Row Drainage Pump Station (D-11), Lower Grand Caillou, Parish Project No. 10-CDBG-R-34, Terrebonne Parish, LA.* Design of a new, 4-bay pre-cast concrete pump station substructure and access bridge together with excavation and embankment, steel sheetpile bulkhead,

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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, demolition of old pump station, back-up generator power, telemetry/SCADA system and related work. CDBG-funded. **Responsibilities:** Topographic route survey and construction layout.

**Land Surveyor:** *Terrebonne Parish Consolidated Government, Smithridge Drainage Pump Station and Coteau Pump Station Automatic Bar Screen Cleaners, Parish Project No. 10-DRA-36, Terrebonne Parish, LA.* Installation of approximately 47 linear ft. of barscreens with automatic trash rakes (including electrical) in front of the existing Smithridge Drainage Pump Station. A pile-supported pre-cast concrete desk with curbing was installed for access and communication. Existing barscreens were removed. Installation of barscreens at the Coteau Drainage Pump Station includes nine automatic trash rakes with electrical to the pump station and straightening of existing barscreen. Work included project management, engineering design, surveying, permitting, ROW acquisitions, plans/specifications, bid package, and construction administration. HMGP project.

**Land Surveyor:** *Jefferson Parish, Drainage Improvements, Phase II, Jefferson Highway / Upstream Street Crossing, Harahan, Jefferson Parish, LA.* Designed drainage construction plans for drainage improvements. Provided a hydraulic watershed analysis and recommended reinforced concrete pipe arch subsurface drain culverts. Also included two specially designed conflict boxes to avoid utility conflicts.

**Land Surveyor:** *Terrebonne Parish Consolidated Government, Summerfield/Southdown Forced Drainage System Phase III, Project No. 94-J-50, Houma, Terrebonne Parish, LA.* Phases I and II entailed clearing/grubbing, excavating 230,000-cubic-yards of earth, utilities relocation, 8,000 ft. of levee construction, and large drainage culvert installations. Involved permitting, computer modeling and use of sophisticated computer surveying and drafting techniques to monitor earthwork in the drainage basin. Phase III consisted of excavating a storm water reservoir for rainfall storage until excess could be pumped over flood protection levees. The reservoir and associated canal were constructed by excavating approximately 76,000-cubic-yards of earth. Included culvert installation and use of excavated material to construct roadbed for a major planned arterial roadway across a large, impounded lagoon. Related work entailed planting native plant species to re-vegetate this environmentally sensitive area. HMGP project.

**Land Surveyor:** *Terrebonne Parish Consolidated Government, Suzie Canal (North) Levee Extension, 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 includes refurbishing the Cane Break forced drainage levee and new construction of levee for forced drainage to the community of Bobtown. LCDBG application also prepared, with grant administration as well upon approval. CDBG disaster recovery project. **Responsibilities:** Topographic surveying services.

**Land Surveyor:** *St. James Parish Government, Redwood Lane Drainage Impact Study and Improvements, Paulina, St. James Parish, LA.* Prepared a hydraulic model for the Redwood Lane / Bourbon Canal watershed area to analyze impacts relative to proposed drainage improvements. All surveying was performed to identify existing culverts and elevations of drainage conveyances. Basic parameters used in the analysis included a 25-year storm event and effects of the maximum stages and final discharges. Other parameters in the model were development densities, and their effects on runoff factors, storage volumes and times of concentration. Also taken into consideration were both upstream and downstream impacts. The final recommendation proposed replacing three existing culverts with a single box culvert to reduce debris blockage and lessen potential flooding. HMGP project.

**Land Surveyor:** *St. James Parish, Drainage Impact Study, Magnolia Heights Subdivision Drainage Improvements, North Vacherie, LA.* Surveying for development of hydraulic model to analyze impacts relative to proposed improvements along the watershed. Survey identified existing culverts and conveyances. Design improvements entailed additional culverts, replacing existing culverts to allow increased flow, improved drainage.

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### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

**Brian Molaison**

Project Assignment:

**Survey Party Chief**

Name of Firm with which associated:

**Providence Engineering and Environmental Group LLC**

Years' experience with this Firm: **13**

Education: Degree(s)/Year/Specialization:

**N/A**

Active registration: Year first registered/discipline:

**N/A**

**Other experience and qualifications relevant to the proposed Project:**

*Brian Molaison serves as an experienced survey party chief who is capable of the operation of the total station and the GPS systems, as well as overseeing the field surveying operations. He is familiar with all aspects of boundary, topographic, construction layout, route, and rights-of-way surveying. Mr. Molaison also serves as a surveying technician, who regularly downloads electronic field notes to AutoCAD and processes data. He has extensive experience in surveying, computing and compiling surveys, plotting cross-sections, profiles, and preparing field rolls and plats.*

**Survey Technician:** *Terrebonne Parish Consolidated Government, Westside Boulevard Extension (West Main Avenue to Martin Luther King Boulevard), Terrebonne Parish, LA.* Construction consisted of a 54-foot wide Portland cement concrete roadway above aggregate base course together with curb and gutter, sub-surface drainage, striping, clearing and grubbing, utility adjustments, and other required items. Project also included design and construction of new roadway including subsurface drainage, gravity sewers, and sewer force main with jack and bore 40-inch diameter steel casing for a 24-inch collection line and directional drilling of 18-inch diameter sewer force mains

**Survey Technician:** *Terrebonne Parish Consolidated Government, Bulldog Boulevard Roadway Improvements, Lutchet, St. James Parish, LA.* Survey assistance on engineering design services for this project which consisted of asphaltic concrete road construction together with base preparation, excavation and linear grading, and other required items of work in connection therewith. The total length of construction included within this project is approximately 1,700 linear ft.

**Survey Party Chief:** *Terrebonne Levee and Conservation District, Morganza to the Gulf Hurricane Protection Levee, Reach J, Segments 2 and 3, Coastal Restoration, Terrebonne Parish, LA.* Topographic survey for 5.9 miles and 1.5 miles of proposed levee system respectively. Included cross-section survey, servitude plats, right-of-way acquisition, levee and structure drafting, plan preparation, quantity calculations, methodology reports, permitting, and coordination and formatting of data sets.

**Survey Party Chief:** *Louisiana Department of Natural Resources (LDNR), Indefinite Delivery Contract, Coastal Restoration – Surveying Services and Engineering Assistance, State Contract No. 2503-08-26, Lafourche, Terrebonne*

## TEC Professional Services Questionnaire

*and St. Charles Parishes, LA.* Project representation for project involving topographic and elevation surveys, GPS surveys and water soundings for various levee, coastal, and marsh restoration projects. Included management and construction administration services. Projects included LA-01 Dedicated Dredge Program (Point Au Fer Island and Grand Bayou), and Lake Salvador Shoreline Protection (BA-15x2).

**Party Chief:** *Shell, Mars Marsh Creation Project, Lafourche Parish, LA.* The project consisted of preparing topographic and hydrographic survey of four sites for restoration. Provided ortho-mosaic photos using Unmanned aerial system. Prepared plan drawings of each site and cross-sections of each pond area.

**Party Chief:** *Enterprise, Port Allen Pipeline Crossing Replacement, West Baton Rouge Parish, LA.* The project consisted of preparing a hydrographic survey and pipeline location survey of existing 20-inch and 16-inch pipelines. This included Hydro survey, pipeline locate, right-of-way preparation, and construction layout of new lines. Prepared plan and cross-sections showing depth of existing channel and pipelines.

**Party Chief:** *Enterprise Products Company, Intracoastal Canal Crossing, West Baton Rouge Parish, LA.* The project consisted of preparing a topographic/hydrographic survey of two pipeline canal crossings. Prepared plan and profile sheet showing depth of cover for each pipeline.

**Party Chief:** *Enterprise Products Company, BRS1 Levee Crossing Project, West Baton Rouge Parish, LA.* The project consisted of preparing a topographic survey of two 10-inch pipeline Levee crossings. Prepared plan and profile sheet showing depth of cover for each pipeline.

**Party Chief:** *Kinder Morgan Terminals, St. Gabriel Terminal.* The project consisted of preparing a topographic survey for engineering of a staircase for levee access. Prepared plan and profile sheet for permitting.

**Survey Technician:** *U.S. Army Corps of Engineers (USACE), Indefinite Delivery Contract, Coastal Restoration, Coastal LA.* GPS and control surveys for several projects: Davis Pond Diversion Levee System, Wax Lake Outlet East Levee System, Spanish Pass, and Atchafalaya West Basin survey.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

**Colby Mire**

Project Assignment:

**Survey CADD Technician**

Name of Firm with which associated:

**Providence Engineering and Environmental Group LLC**

Years' experience with this Firm: **9**

Education: Degree(s)/Year/Specialization:

**BS/2015/Geomatics**

Active registration: Year first registered/discipline:

**N/A**

**Other experience and qualifications relevant to the proposed Project:**

*Colby Mire has experience in the surveying field and as a quality assurance representative on projects involving all aspects of construction observation, which includes the preparation of reports for testing and inspection, inspection of concrete placement and rebar installation; inspection of dredging operations, levee construction, riprap and gabion placement, floodwalls, water control structures, inspection of concrete testing, making of cylinders and inspection of forms before placement, inspection of concrete plant to ensure the design and mix meet contract specifications, inspection of concrete placement on floodwalls, streets, sidewalks, curbs, and driveways; inspection of waterline relocations, drainage, video inspection of sewer lines, power lines and driving of sheet piling*

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

**Project Representative:** *Terrebonne Parish Consolidated Government, Ashland Forced Drainage Pump Station (D-09), Outfall Canal Improvements and Access Bridge (CDBG-DR), Parish Project No. 08-DRA-25, Terrebonne Parish, LA.* Design and construction oversight of a pile-supported pre-cast concrete pump station substructure for three 48-inch diameter pumps and one 24-inch diameter pump with steel sheetpiles, discharge piping, fuel system, pumps/engine installation, electrical, SCADA/telemetry system, and generator. Improvements made to drainage canal through excavation and levee improvements along the Ashland Drainage Pump Station Outfall Canal for a total project length of approximately 9,120 linear ft. pump station utilizes a pre-cast concrete bridge deck designed to handle truck loads supporting the pumps, equipment, and maintenance vehicles. LCDBG application and administration.

**Project Representative:** *Forced Drainage Project 2-1A; Phase VI – Honeysuckle, Terrebonne Parish, LA.* Engineering and design for the installation of drainage pipes, structures, and ditch grading along Joyce Street, La. Hwy. 20, Main Project Road and Honeysuckle Drive and other items in connection therewith.

## TEC Professional Services Questionnaire

**Instrumentman:** *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 drainpipes 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, 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 includes refurbishing the Cane Break forced drainage levee and new construction of levee for forced drainage to the community of Bobtown.

**Project Representative:** *Terrebonne Levee and Conservation District, Falgout Canal Road Levee (CDBG-DR), Project No. E-L-001-930, Terrebonne Parish, LA.* When Hurricanes Gustav and Ike struck, winds and high water pushed northward through the bayou system and inundated Bayou Dularge communities with floodwater. Project includes construction of a levee to protect residences of Bayou Dularge, an area approximately 13,413 acres between the cities of Houma and Theriot, from floodwaters from the Gulf of Mexico. Project intended to mitigate/minimize future flood damage. Includes design and construction of new flood protection levee 21,400 linear ft. long between an existing (8-1) forced drainage levee and proposed Morganza to the Gulf hurricane protection levee (Reach F) to enclose affected communities. Two flow control structures are being constructed to an elevation of +9.0 ft., with nine flap gates, each 6-foot by 6-foot, 5-foot walkway atop the structures for gate access that ensures freshwater introduction to the marsh south of Falgout Canal.

**Project Representative:** *City of Patterson, Drainage Study, St. Mary, LA.* The study encompassed the area within the boundaries of LA Hwy 182 Red Cypress Road and US Hwy 90, as well as the subdivisions south of the railroad tracks. Staff gauges were installed, and once data was collected by the owner, a hydraulic model was developed to determine where "bottlenecks" in the drainage system were located. A construction cost estimate was then created for installation/replacement of culverts to alleviate the "bottlenecks".

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Drake Olivier, E.I.**

**Project Assignment:**

**Engineer Intern**

**Name of Firm with which associated:**

**Providence Engineering and Environmental Group LLC**

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

**Education: Degree(s)/Year/Specialization:**

**BS/2013/Civil Engineering**

**Active registration: Year first registered/discipline:**

**2007/Engineer Intern/LA License No. 32203**

**Other experience and qualifications relevant to the proposed Project:**

*Drake Olivier is a registered civil engineer intern in the State of Louisiana with experience in engineering projects related to Civil Design in areas of hydraulics and hydrology, site development, regulatory permitting, and field investigations. He has project experience in site development such as: site layout, grading, paving, drainage system design, municipal and commercial drainage studies, and storm water runoff evaluations. Mr. Olivier also has municipal experience in pump station design. Prior to joining Providence, he worked as a Civil Engineer Intern for Duplantis Design Group, PC (DDG), designing site development projects and performing drainage studies for retail and commercial developments. In addition to site development and drainage studies, he produced Storm Water Management Plans and Storm Water Quality Management Plans as required. He is proficient in areas such as site layout, grading, storm water drainage, and retention/detention ponds.*

**Permitting:** *FG-LA (Formosa Plastics) Sunshine Project, St. James Parish, LA.* Worked on a team to provide initial permitting for a proposed chemical plant in St. James parish, Louisiana. Engineering and design of the stormwater system for full buildout of the chemical plant. **Responsibilities:** Created drainage model and generated Drainage Impact Analysis. Acquired LA DOTD permit and Parish permit.

**Master Drainage Plan:** *Leonard Miller Jr Airport (GAO), Galliano, LA.* Provided a Master Drainage Plan for the 10-year and 15-year buildout plans. Provided recommendations for drainage improvements for each buildout plan. **Responsibilities:** Created drainage model, designed drainage improvements, and generated report.

**Master Drainage Plan:** *South Alabama Logistics Park (SALP), Mobile, AL.* Phase I of the project is a ±491-acre industrial park. Provided a Master Drainage Plan for Phase I of the project. Provided drainage design for each buildout plan. **Responsibilities:** Created drainage model, designed drainage improvements, and generated report.

**Engineer Intern:** *Walmart Neighborhood Market, #7099 Morgan City, LA.* Project consisted of preparation of plans, permitting, and preparation of specifications for a Walmart Neighborhood Market Store. Worked on a team that provided preliminary engineering plans, final engineering plans and specifications, estimation of construction costs, permitting/regulatory compliance, and final construction bid package. **Responsibilities:** Assisted with plan development,

## TEC Professional Services Questionnaire

created a Drainage Impact Analysis, created a Stormwater Pollution Prevention Plan (SWPPP), and generated cost estimates.

**Engineer Intern:** *Walmart Neighborhood Market, #5125 Opelousas, LA.* Project consisted of preparation of plans, permitting, and preparation of specifications for a Walmart Neighborhood Market Store. Worked on a team that provided preliminary engineering plans, final engineering plans and specifications, estimation of construction costs, permitting/regulatory compliance, and final construction bid package. **Responsibilities:** Assisted with plan development, created a Drainage Impact Analysis, created a Stormwater Pollution Prevention Plan (SWPPP), assisted with annexation process, generated cost estimates, and construction documentation.

**Engineer Intern:** *Walmart Neighborhood Market, #5773 New Iberia, LA.* Project consisted of preparation of plans, permitting, and preparation of specifications for a Walmart Neighborhood Market Store. Worked on a team that provided preliminary engineering plans, final engineering plans and specifications, estimation of construction costs, permitting/regulatory compliance, and final construction bid package. **Responsibilities:** Assisted with plan development, created a Drainage Impact Analysis, created a Stormwater Pollution Prevention Plan (SWPPP), generated cost estimates, coordinated utility agreements, and construction documentation.



## 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><b>Forest Avenue Drainage Improvements</b>                      Lake Charles, LA                      Calcasieu Parish Police Jury                      PO Box 3287                      Lake Charles, LA 70602                      Terry Frelot                      (337) 721-3700</p>	<p>This project consists of 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>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost (in thousands):</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2023 (E)</b>	<b>\$187.6</b>	<b>\$89.7</b>

## TEC Professional Services Questionnaire

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p><b>Suzie Canal (North) Levee Extension</b></p> <p>Terrebonne Parish, LA</p> <p><b>Terrebonne Parish Consolidated Government</b>                      PO Box 2768                      Houma, LA 70361</p> <p><b>Jeanne Bray, PE</b>                      (985) 873-6841</p>	<p>The project regarded construction of 13,000 linear ft. of flood levee between the northern boundary of Cane Break subdivision to Bobtown Bridge Road. Providence engineers assisted with construction of approximately 4,700 linear ft. of levee, including refurbishing the Cane Break forced drainage levee and new construction of a levee to provide forced drainage and flood protection to the community of Bobtown. The new structures were marked with identification marks of past and estimated flooding, and the interior common areas display an evacuation plan. Providence services included civil site topographic survey, geotechnical coordination, drainage impact study, and grant administration and permitting application assistance. A construction Stormwater Discharge Permit was also obtained. (CDBG disaster recovery project)</p>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost (in thousands):</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2018 (A)</b>	<b>\$5,117</b>	<b>\$1,021</b>

### PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p><b>Ellendale Levee Rehab Project</b></p> <p>Houma, LA</p> <p><b>Terrebonne Parish Consolidated Government</b>                      PO Box 2768                      Houma, LA 70361</p> <p><b>Melissa Bourgeois</b>                      (985) 873-6733</p>	<div style="display: flex; align-items: flex-start;">  <div style="flex-grow: 1;"> <p>Providence staff were contracted to prepare the plans and specs for the construction of the rehabilitation of Ellendale Levee. This work was based upon offsetting the existing 3,050-linear-foot levee away from the drainage canal approximately 30 ft., degrading the existing levee, and hauling in additional borrow material. Services conducted by Providence staff included acquiring the Coastal Use Permit, Local Coastal Impact Certificate, Water Quality Certification, and US Army Corps of Engineers jurisdictional determination and permits.</p> </div> </div>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost (in thousands):</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2017 (A)</b>	<b>\$944</b>	<b>\$250</b>

## TEC Professional Services Questionnaire

### PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p><b>Six-Foot Ditch Levee Improvements</b> Terrebonne Parish, LA</p> <p><b>Terrebonne Parish Consolidated Government</b> PO Box 2768 Houma, LA 70361</p> <p><b>Melissa Bourgeois</b> (985) 873-6733</p>	<p>This project consisted of relocation of approximately 5,400 linear ft. of levee along the 6' ditch from 9<sup>th</sup> Street near St. Louis Canal to Williams Blvd. near New Orleans Blvd. Providence staff were constructed to prepare the preliminary and final plans and specifications that satisfied requirements of State and Federal NPDES/LPDES regulations for the levee improvements. This work is based upon offsetting the existing levee away from the 6' ditch approximately 30', degrading the existing levee and hauling in additional borrow material. This work required clearing and grubbing, wetland determination, wetland mitigation, topographic and elevation surveys, permit approvals, additional geotechnical analysis, servitude acquisition and associated items of work. Services provided by Providence staff included acquisition of the Coastal Use Permit, Local Coastal Impact Certificate, Water Quality Certification, State Historic Preservation Office No Objection, and US Army Corps of Engineers jurisdictional determination and permits; engineering reports and right-of-way documents; and environmental assessments. Providence staff also assisted TPCG in the advertisement for bids, bid evaluation, and contract award, as well as provided contract administration/project representatives during construction.</p>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost (in thousands):</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2020 (A)</b>	<b>\$1,857</b>	<b>\$346</b>

## TEC Professional Services Questionnaire

### PROJECT NO. 5

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<p><b>Upper Little Caillou Pump Station (HMGP) Project</b> Terrebonne Parish, LA</p> <p><b>Terrebonne Parish Consolidated Government</b> PO Box 2768 Houma, LA 70361</p> <p><b>Jeanne Bray, PE</b> (985) 873-6841</p>	<p>The Upper Little Caillou Drainage Pump Station (aka Bayou Neuf Drainage Pump Station) was an older station that was in a state of disrepair. Repairs were made previously, but with Hurricanes Katrina, Rita, and subsequent storms, there were concerns over the structural integrity of the station. Terrebonne Parish Consolidated Government (TPCG) decided to request a grant from FEMA through their Hazard Mitigation Grant Program. During the grant application process, it was found that a new pump station with an increased capacity of 389 cfs would save the residents of the forced drainage area approximately \$1.2 million if a 25-year storm were to occur. Based on these calculations, TPCG was awarded \$5.2 million toward a new drainage pump station. The drainage pump station is concrete pile supported with precast concrete deck panels. Three 48-inch pumps and one 30-inch pump were installed inside of a pre-engineered metal building. The engines are connected to the local power grid, but a backup generator was also installed for emergency conditions. The generator is diesel fueled, so a new 4,000-gallon double-walled diesel tank was also installed. The pumps are connected to a telemetry system that can be access by TPCG should any issues arise. The station is connected to a forced drainage levee, therefore a significant amount of dirt work and sheetpile was installed. An alternate bid was awarded for the installation of automatic trash rakes with its control system due to the large amount of debris found in the drainage canal that could damage the pumps and/or impede the efficiency of the station. Since this was a replacement station, the contractor had the added complication of keeping the original station in operation while construction was occurring. Once the new station was partially operational, the old station was dismantled and construction was completed.</p>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost (in thousands):</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2019 (A)</b>	<b>\$5,831</b>	<b>\$725</b>

## TEC Professional Services Questionnaire

### PROJECT NO. 6

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<p><b>Falgout Canal Road Levee (CDBG-DR)</b> Terrebonne Parish, LA</p> <p><b>Terrebonne Levee and Conservation District</b> 220-A Clendenning Road Houma, LA 70363</p> <p><b>Angela Rains</b> (985) 868-8523</p>	<p>When Hurricanes Gustav and Ike struck, winds and high water pushed northward through the bayou system and inundated Bayou Dularge communities with floodwater. This project included construction of a levee to protect residences of Bayou Dularge- an area approximately 13,413 acres between the cities of Houma and Theriot- from floodwaters from the Gulf of Mexico. The project intended to mitigate/minimize future flood damage. Project includes design and construction of new flood protection levee- 21,400 linear ft. long- between an existing (8-1) forced drainage levee and proposed hurricane protection levee (Reach F) from Morganza to the Gulf to enclose affected communities. Two flow control structures were constructed to an elevation of +9.0 ft., with nine flap gates (each 6-foot by 6-foot), and a 5-foot walkway atop the structures for gate access that ensures freshwater introduction to the marsh south of Falgout Canal. Services provided by Providence staff included dust control (asphaltic concrete overlay), design and construction of a detour road, seven culvert installations under Falgout Road canal, and oversight of CDBG grant application preparation.</p>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost (in thousands):</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2017 (A)</b>	<b>\$25,792</b>	<b>\$1,944</b>

## TEC Professional Services Questionnaire

### PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p><b>Sugar View Estates Subdivision, Phase 1</b>  Vacherie, LA  <b>Richard Reulet, Jr.</b>  23185 Reulet Road  Vacherie, LA 70090  <b>Gregory Bush</b>  (225) 206-1611</p>	<p>Providence was contracted by a private developer to design sewer, water, drainage, and roads for a new subdivision. Work consisted of the construction of a 90-lot residential subdivision consisting of 25-foot-wide Portland cement concrete streets together with subsurface drainage, outfall ditch, water mains, fire hydrants, gravity sewer lines, sewer lift station, wastewater treatment plant, sewer force main, and light standards. The sewer system had to be designed to accommodate Phase 2 of the subdivision yet operate properly while the homes were being built.</p> <div style="text-align: center;">  </div>	
<b>Completion Date (Actual or Estimated):</b>	<b>Estimated Cost (in thousands):</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2021 (A)</b>	<b>\$1,458</b>	<b>\$102</b>

## 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. <b>N/A</b>		
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 nearly 100 employees, our team of professionals represents a broad spectrum of disciplines, including civil, structural, 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.



## 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)**

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 ensures 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:

- Forest Avenue Drainage Improvements
- Suzie Canal (North) Levee Extension
- Ellendale Levee Rehab Project
- Six-Foot Ditch Levee Improvements
- Upper Little Caillou Pump Station (HMGP) Project
- Falgout Canal Road Levee (CDBG-DR)
- Coteau Holding Basin Sewer Force Main Replacement
- Sugar View Estates Subdivision, Phase 1

### **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 a 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

Providence Engineering and Environmental is currently providing construction administration services for 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 J. Leonards, P.E.

Title: Principal-In-Charge

Date: March 31, 2022

**PROVIDENCE ENGINEERING AND  
ENVIRONMENTAL GROUP LLC**

**LICENSES AND CERTIFICATIONS**



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 7/20/2021, the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Gary Jules Leonards  
1746 Ridgeland drive  
Baton Rouge, LA 70810

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Mr. Gary Jules Leonards</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0030568</b>	<b>03/31/2023</b>	
<b>Status: Active</b>		
<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

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



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/21/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Ms. Melanie B. Caillouet  
1297 St. Charles Street, Suite H  
Houma, Louisiana 70360

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b>
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Ms. Melanie B. Caillouet</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0032936</b>	<b>03/31/2023</b>
<b>Status: Active</b>	
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## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/21/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Terral John Martin Jr.  
168 Tutty Loop  
Houma, Louisiana 70363

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Mr. Terral John Martin Jr.</b>		
License/Certificate Type - Number	Expiration Date	
<b>PLS.0005030</b>	<b>03/31/2024</b>	
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## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/21/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Drake Joseph Olivier  
160 Sixty Arpent Road  
Thibodaux, Louisiana 70301

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b>
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Mr. Drake Joseph Olivier</b>	
License/Certificate Type - Number	Expiration Date
<b>EI.0032203</b>	<b>03/31/2023</b>
<b>Status: Active</b>	
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